

Oracle® Communications

Cloud Native Core, Unified Data Repository

REST Specification Guide



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Preface

- [Documentation Accessibility](#)
- [Diversity and Inclusion](#)

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The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which user supply particular values.
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Acronyms

The following table provides information about the acronyms and the terminologies used in the document:

Table Acronyms and Terminologies

Field	Description
5G-AN	5G Access Network
5GC	5G Core Network
5G-GUTI	5G Globally Unique Temporary Identifier
5GS	5G System
AMF	Access and Mobility Management Function
API	Application Programming Interface
ASM	Aspen Service Mesh
AUSF	Authentication Server Function
CEA	Capability Exchange Answer
CER	Capability Exchange Request
CNE	Oracle Communications Cloud Native Core, Cloud Native Environment
CNLB	Cloud Native Load Balancer
CRD	Custom Resource Definition
CNI	Container Network Interface
CSV	Comma Separated Value
cnPCRF	Cloud Native Policy and Charging Rules Function
DAC	Discretionary Access Control
ECR	Mobile Equipment Identity Check Request
EIC	Equipment Identity Check
EGW	Egress Gateway
EIR	Equipment Identity Register
EXTID	External Identifier
FQDN	Fully Qualified Domain Name
GPSI	Generic Public Subscription Identifier
GSM	Global System for Mobile communication
GUI	Graphical User Interface
HPA	Horizontal Pod Autoscaler
HTTP	Hypertext Transfer Protocol
IE	Information Element
IGW	Ingress Gateway
IMEI	International Mobile Equipment Identity
IMSI	International Mobile Subscriber Identity
IMSISV	International Mobile Equipment Identity Software Version
JSON	JavaScript Object Notation
LCM	Lifecycle Management
MME	Mobility Management Entity
MSISDN	Mobile Station Integrated Services Digital Network

Table (Cont.) Acronyms and Terminologies

Field	Description
NAI	Network Access Identifier
NADs	Network Attachment Definitions
NEF	Oracle Communications Cloud Native Core, Network Exposure Function
NF	Network Function
NRF	Oracle Communications Cloud Native Core, Network Repository Function
NSI ID	Network Slice Instance Identifier
NSSAI	Network Slice Selection Assistance Information
NSSF	Oracle Communications Cloud Native Core, Network Slice Selection Function
NSSP	Network Slice Selection Policy
OAM	Operations Administration and Maintenance
OSO	Operational Service Overlay
PDB	PodDisruptionBudget
PDBA	Provisioning Database Application
PDBI	Provisioning Database Interface
PEI	Permanent Equipment Identifier
PCF	Policy Control Function
PCRF	Policy and Charging Rules Function
PSP	Pod Security Policy
PVC	Persistent Volume Claim
REST	Representational State Transfer
SBA	Service-Based Architecture (SBA)
SBI	Service Based Interface
SEPP	Oracle Communications Cloud Native Core, Security Edge Protection Proxy
SH	Diameter Interface
SLF	Subscriber Location Function
SMF	Session Management Function
SOAP	Simple Object Access Protocol
SUPI	Subscription Permanent Identifier
TCP	Transmission Control Protocol
TPS	Transaction Per Second
UDM	Unified Data Management
UDR	Oracle Communications Cloud Native Core, Unified Data Repository
UE	User Equipment
VSA	Vendor Specific Attribute
UDSF	Unstructured Data Storage Function
XML	Extensible Markup Language

What's New in This Guide

This section describes the documentation updates for release 26.1.2xx

Release 26.1.201 - G56126-01, September 2026

- Added the [Common Configurations Global](#) section with REST specifications for the SBI Message Priority Header feature.
- Updated the REST Specifications for the GET and PUT operations for `http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.global.cfg/GLOBAL` in the [Configuration APIs for UDR Microservices](#) section.
- Added the [Configuration APIs for Backend Pod Protection](#) section with REST Specifications for the Backend Pod Protection feature.
- Updated all the request and response payloads for all the configurations in the following sections:
 - [Ingress Gateway Signaling APIs](#)
 - [Ingress Gateway Provisioning APIs](#)
 - [#unique_23](#)
- Added the [Configuration APIs for NRF Client](#) section with REST Specifications for NRF Client.
- Updated the [Open API Specification for nudr-config](#) with the json file for 26.1.201.

1

Introduction

This document describes REST specifications for Cloud Native Core Unified Data Repository.

Note

The performance and capacity of the UDR system may vary based on the call model, feature or interface configuration, and underlying CNE and hardware environment, including but not limited to, the size of the json payload, operation type, and traffic model.

The 5G Unified Data Repository (UDR) is one of the main components of the 5G Service-Based Architecture (SBA). It is implemented as a cloud native function and offers a unified database to store application, subscription, authentication, service authorization, policy data, session binding, and application state information. It provides HTTP2 RESTful based interface for other NFs and HTTP2/HTTP1.1 RESTful interface for provisioning clients. But HTTP1.1 is disabled by default.

Oracle's 5G UDR:

- Leverages a common Oracle Communications Cloud Native Framework
- Complies to 3GPP 29.505 Release 15 specification for UDM
- Complies to 3GPP 29.519 Release 16 (backward compatible with Release 15) specification for PCF
- Has tiered architecture providing separation between the connectivity, business logic, and data layers
- Uses Oracle MySQL NDB Cluster CGE edition as backend database in the Data Tier
- Registers with NRF in the 5G network, allowing the other NFs to discover UDR through NRF
- Registers with services like DR-SERVICE and GROUP-ID-MAP

As per 3GPP, UDR supports following functionality:

- Storage and retrieval of subscription data by the UDM
- Storage and retrieval of policy data by the PCF
- Storage and retrieval of structured data for exposure
- Storage and retrieval of SLF information, consumed by NRF
- Application data (including Packet Flow Descriptions (PFDs) for application detection, AF request information for multiple UEs), by the NEF
- Subscription and Notification features

Oracle's 5G UDR solution provides **Unstructured Data Storage Function (UDSF)**. This allows any 5G NF to store and retrieve unstructured data.

Note

3GPP does not define any specifications for UDSF.

Oracle's 5G UDR solution provides **Subscriber Location Function (SLF)**. It:

- Supports Nudr-groupid-map service as per 3GPP
- Registers with NRF for Nudr-groupid-map service
- Complies with 3GPP Release 16 for APIs to be consumed by 5G NRF
- Supports REST/JSON based provisioning APIs for SLF data

5G Equipment Identity Register (EIR) supports:

- REST/JSON based provisioning of 5G EIR profile
- Bulk import of 5G EIR subscriber data via PDBI interface
- N5g-eir_EquipmentIdentityCheck Service API
- 5G EIR as per 3GPP TS 29.511

1.1 References

For more information about Oracle Communications Cloud Native Core, Unified Data Repository, see the following documents:

- *Oracle Communications Cloud Native Core, Unified Data Repository User Guide*
- *Oracle Communications Cloud Native Core, Unified Data Repository Troubleshooting Guide*
- *Oracle Communications Cloud Native Core, Unified Data Repository Installation, Upgrade, and Fault Recovery Guide*
- *Oracle Communications Cloud Native Core, Unified Data Repository Network Impact Report*
- *Oracle Communications Cloud Native Core, Unified Data Repository Benchmarking Guide*

2

Provisioning API Specifications

This section describes provisioning API specifications for Profile Data, NEF Data, EIR Data, Policy Data, SLF Data, UDM Data, and UDSF Data.

2.1 Provisioning Operations for Profile Data

This section provides provisioning operations for Profile data.

Resource Name: ProfileData

HTTP Method: POST, PUT, DELETE, GET

BASE URI: {apiRoot}/nudr-dr-prov/{version}/profile-data/{ue-id}

api-root-> igw-prov-ip:igw-prov-port

Table 2-1 Profile Data

HTTP Method	Sample REST URL	Description	Possible Error Codes
POST	https://localhost:9443/nudr-dr-prov/v2/profile-data/msisdn-1111111113	This is for initial subscriber provisioning (create subscriber). For more information about payload, see POST-ProfileData To add custom fields in the profile data during initial subscriber provisioning (create subscriber). For more information, see Adding Custom Fields under Profile Data	• 400: "Invalid URI sent from client" • 400: "Unknown key, the key provided in the request is invalid" • 400: "Payload should contain key-value pair present in URI" • 400: "Invalid content request data supplied" • 400: "Occurrence constraint violation" • 400: "Duplicate key"

Table 2-1 (Cont.) Profile Data

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	https://localhost:9443/nudr-dr-prov/v2/profile-data/nai-3333333332	For more information about the payload, see PUT-ProfileData To update an existing profile data with custom fields or the custom fields already present in profile data can be updated using following payload: <pre>{ "profile-data": { "MSISDN": ["1111111112", "1111111113"], "Imsi": ["2222222221"], "profile-fields": { "customFieldKey": "CustomValue" } } }</pre>	400: "Invalid URI sent from client" 400: "Unknown key, the key provided in the request is invalid" 400: "Payload should contain key-value pair present in URI" 400: "Invalid content request data supplied" 400: "Occurrence constraint violation"
DELETE	https://localhost:9443/nudr-dr-prov/v2/profile-data/nai-3333333332	This operation deletes all data from all DATA tables (PCF, UDM etc.).	400: "Invalid URI sent from client" 404: "Subscriber does not exist" 400: "Unknown key, the key provided in the request is invalid"
GET	https://localhost:9443/nudr-dr-prov/v2/profile-data/msisdn-1111111113	This operation extracts profile data.	400: "Invalid URI sent from client" 404: "Subscriber does not exist" 400: "Unknown key, the key provided in the request is invalid"

2.2 Provisioning Operations for NEF Data

This section provides provisioning operations for NEF data.

Resource Name: ProfileData

Base URI: {apiRoot}/nudr-dr-prov/v2/profile-data/{ue-id}

Table 2-2 ProfileData

HTTP Method	Description	Possible Error Codes
POST	http://ocudr-ingressgateway-prov/nudr-dr-prov/v2/profile-data/msisdn-1111111113 Result Code: 201 Created Payload: POST - NEF Data	NA

Resource Name: AccessAndMobilityData, PduSessionManagementData

Base URI: {apiRoot}/nudr-dr/v2/exposure-data/{ueId}

Table 2-3 AccessAndMobilityData, PduSessionManagementData

HTTP Method	Description	Possible Error Codes
PUT	http://ocudr-ingressgateway-prov/nudr-dr-prov/v2/exposure-data/msisdn-1111111113 Result Code: 200 OK Payload: PUT - PDU Session Management Data	400 : "Invalid URI sent from client" 404 : "Subscriber does not exist" 404 : "Data field does not exist" 400 : "Unknown key, the key provided in the request is invalid"
GET	http://ocudr-ingressgateway-prov/nudr-dr-prov/v2/exposure-data/msisdn-1111111113 Result Code: 200 OK Payload: GET - PDU Session Management Data	400 : "Invalid URI sent from client" 404 : "Subscriber does not exist" 404 : "Data field does not exist" 400 : "Unknown key, the key provided in the request is invalid"

2.3 Provisioning Operations Supported for EIR Data

This section provides provisioning operations for EIR data.

Resource Name: EIR Data

HTTP Method: PUT, DELETE, GET

BASE URI: {apiRoot}/n5g-eir-prov/v1/equipment-status/{ueId}

Table 2-4 EIR Provisioning APIs

HTTP Method	Description	Sample Request	Sample Response	Possible Error Codes
PUT	Create EIR subscriber profile. Profile data and equipment status data are mandatory to create subscriber profile.	http://ocudr-ingressgateway-prov/n5g-eir-prov/v1/equipment-status/imei-1111111111 Use the following payload to: - Create EIR profile if the IMEI is not provisioned on EIR. - Update equipment status and add IMSI/MSISDN keys to existing IMEI already provisioned - Update the equipment status of an existing subscriber <pre>{ "profile-data": { "IMEI": ["1111111111"], "IMSI": ["1111111121", "1111111131"], "MSISDN": ["1111111112", "1111111113"] }, "equipment-status" : {</pre>	201 Created	400: Invalid content request data supplied 400: Schema validation failed for this request 400: Invalid JSON payload 400: Invalid URI sent from client 400: Payload should contain key-value pair present in URI 400: Unknown key, the key imsi123 provided in the request is invalid 400: Invalid content, equipment status cannot be empty 400: Invalid content, equipment status cannot have all its content set to false 400: Invalid content, equipment status missing for EIR profile 400: Keys other than IMEI in URI not allowed for EIR profile update 400: Invalid Key Value

Table 2-4 (Cont.) EIR Provisioning APIs

HTTP Method	Description	Sample Request	Sample Response	Possible Error Codes
		<pre>"grey": true, "black": true, "white": true } }</pre> IMEI key cannot be modified once provisioned		

Table 2-4 (Cont.) EIR Provisioning APIs

HTTP Method	Description	Sample Request	Sample Response	Possible Error Codes
PUT	EIR profile provisioning with imeisv	<pre>http://ocudr-ingressgateway-prov/n5g-eir-prov/v1/equipment-status/imeisv-11111111111111111110 The below payload will support to CREATE EIR Profile { "profile-data": { "IMEISV": ["11111111111111111110"], "IMSI": ["1111111121", "1111111131"], "MSISDN": ["1111111112", "1111111113"] }, "equipment-status" : { "grey": true, "black": true, "white": true } }</pre>	201 Created	• 400: Invalid content request data supplied • 400: Schema validation failed for this request • 400: Invalid JSON payload • 400: Invalid URI sent from client • 400: Payload should contain key-value pair present in URI • 400: Unknown key, the key imsi123 provided in the request is invalid • 400: Invalid content, equipment status cannot be empty • 400: Invalid content, equipment status cannot have all its content set to false • 400: Invalid content, equipment status missing for EIR profile • 400: Keys other than IMEI in URI not allowed for EIR profile update • 400: Invalid Key Value

Table 2-4 (Cont.) EIR Provisioning APIs

HTTP Method	Description	Sample Request	Sample Response	Possible Error Codes
PUT	Updates the EIR subscriber profile for an existing IMEI and IMEISV. Does patch operation on the existing EIR subscriber and includes provisions keys in payload if not already provisioned Updates the equipment status with profile update. MEI and IMEISV cannot be modified	<pre>http://ocudr-ingressgateway-prov/n5g-eir-prov/v1/equipment-status/imei-1111111111 { "profile-data": { "IMEI": ["1111111111"], "IMSI": ["1111111121", "1111111131"], "MSISDN": ["1111111112", "1111111113"] } } { "profile-data": { "IMSI": ["1111111121", "1111111131"], "MSISDN": ["1111111112", "1111111113"] } } { "profile-</pre>	201 Created	400: Invalid content request data supplied 400: Schema validation failed for this request 400: Invalid JSON payload 400: Invalid URI sent from client 400: Payload should contain key-value pair present in URI 400: Unknown key, the key imsi123 provided in the request is invalid 400: Invalid content, equipment status cannot be empty 400: Invalid content, equipment status cannot have all its content set to false 400: Invalid content, equipment status missing for EIR profile 400: Keys other than IMEI in URI not allowed for EIR profile update 400: Invalid Key Value

Table 2-4 (Cont.) EIR Provisioning APIs

HTTP Method	Description	Sample Request	Sample Response	Possible Error Codes
		<pre> data": { "IMEI": ["1111111111"], "IMSI": ["1111111121" , "1111111131"], "MSISDN": ["1111111112" , "1111111113"] } "equipment- status"{ "grey": true, "black": true, "white": true } } http://ocudr- ingressgatewa y-prov/n5g- eir-prov/v1/ equipment- status/ imeisv-111111 1111111111 { "profile- data": { "IMEISV": ["1111111111 1111"], "IMSI": ["1111111121" </pre>		

Table 2-4 (Cont.) EIR Provisioning APIs

HTTP Method	Description	Sample Request	Sample Response	Possible Error Codes
		<pre> , "11111111131"], "MSISDN": ["11111111112" , "11111111113 "] } } { "profile- data": { "IMSI": ["11111111121" , "11111111131"], "MSISDN": ["11111111112" , "11111111113 "] } } { "profile- data": { "IMEISV": ["11111111111 11111"], "IMSI": ["11111111121" , "11111111131"], "MSISDN": ["11111111112" , "11111111113 "] } "equipment- </pre>		

Table 2-4 (Cont.) EIR Provisioning APIs

HTTP Method	Description	Sample Request	Sample Response	Possible Error Codes
		<pre>status"{ "grey": true, "black": true, "white": true } }</pre>		

Table 2-4 (Cont.) EIR Provisioning APIs

HTTP Method	Description	Sample Request	Sample Response	Possible Error Codes
PUT	Updates the equipment status for an existing IMEI and IMEISV	<pre> http://ocudr-ingressgateway-prov/n5g-eir-prov/v1/equipment-status/imei-1111111111 { "equipment-status":{ "grey": true, "black": false, "white": true } { "profile-data": { "IMEI": ["1111111111"] }, "equipment-status":{ "grey": true, "black": false, "white": true } { "profile-data": { </pre>	201 Created	400: Invalid content request data supplied 400: Schema validation failed for this request 400: Invalid JSON payload 400: Invalid URI sent from client 400: Payload should contain key-value pair present in URI 400: Unknown key, the key imsi123 provided in the request is invalid 400: Invalid content, equipment status cannot be empty 400: Invalid content, equipment status cannot have all its content set to false 400: Invalid content, equipment status missing for EIR Profile 400: Keys other than IMEI in URI not allowed for EIR profile update 400: Invalid Key Value

Table 2-4 (Cont.) EIR Provisioning APIs

HTTP Method	Description	Sample Request	Sample Response	Possible Error Codes
		<pre> "IMEI": ["1111111111"], "IMSI": ["1111111121" ,"1111111131"], "MSISDN": ["1111111112" ,"1111111113" "] } "equipment- status"{ "grey": true, "black": true, "white": true } } http://ocudr- ingressgatewa y-prov/n5g- eir-prov/v1/ equipment- status/ imeisv-111111 1111111111 { "equipment- status":{ "grey": true, "black": false, "white": true </pre>		

Table 2-4 (Cont.) EIR Provisioning APIs

HTTP Method	Description	Sample Request	Sample Response	Possible Error Codes
		<pre> } } { "profile- data": { "IMEISV": ["111111111111 11111"] }, "equipment- status":{ "grey": true, "black": false, "white": true } } { "profile- data": { "IMEISV": ["111111111111 11111"], "IMSI": ["1111111121" ,"1111111131"], "MSISDN": ["1111111112" ,"1111111113 "] } "equipment- status"{ </pre>		

Table 2-4 (Cont.) EIR Provisioning APIs

HTTP Method	Description	Sample Request	Sample Response	Possible Error Codes
		<pre>"grey": true, "black": true, "white": true } }</pre>		
PUT	Updates EIR and IMSI/MSISDN keys to existing IMEI Update and delete subscriber profile. Does patch operation on the existing subscriber Delete keys included in payload, if not present	http://ocudr-ingressgateway-prov/n5g-eir-prov/v1/profile-update/imei-111111111/deletekeys <pre>{ "profile-data": { "IMSI": ["1111111131" , "1111111141"], "MSISDN": ["1111111113" , "1111111114"] } }</pre>	204 No Content	• 400: Invalid content request data supplied • 400: Schema validation failed for this request • 400: Invalid JSON payload • 400: Invalid URI sent from client • 400: Unknown key, the key imsi123 provided in the request is invalid • 400: Keys other than IMEI in URI not allowed for EIR profile update

Table 2-4 (Cont.) EIR Provisioning APIs

HTTP Method	Description	Sample Request	Sample Response	Possible Error Codes
	EIR Update IMSI/MSISDN keys to existing IMEISV	<pre>http://ocudr-ingressgateway-prov/n5g-eir-prov/v1/profile-update/imeisv-1111111111/deletekeys { "profile-data": { "IMSI": ["1111111131", "1111111141"], "MSISDN": ["1111111113", "1111111114"] } }</pre>	204 No Content	400: Schema validation failed for this request 400: Invalid JSON payload 400: Invalid URI sent from client 400: Unknown key, the key imsi123 provided in the request is invalid 400: Keys other than IMEI in URI not allowed for EIR profile update
DELETE	Delete EIR profile using IMEI	<pre>http://ocudr-ingressgateway-prov/n5g-eir-prov/v1/equipment-status/imei-1111111111</pre>	204 No Content	404: Subscriber does not exist
DELETE	Delete EIR profile using IMEISV	<pre>http://ocudr-ingressgateway-prov/n5g-eir-prov/v1/equipment-status/imeisv-11111111111111111111</pre>	204 No Content	404: Subscriber does not exist

Table 2-4 (Cont.) EIR Provisioning APIs

HTTP Method	Description	Sample Request	Sample Response	Possible Error Codes
GET	Retrieve complete EIR profile using IMEI	<code>http://ocudr-ingressgateway-prov/n5g-eir-prov/v1/equipment-status/imei-1111111111</code>	200 OK Response <pre>{ "profile-data": { "MSISDN": ["1111111112"], "IMSI": ["1111111121"], "IMEI": ["1111111111"] }, "equipment-status": { "white": true, "grey": true, "black": true } }</pre>	400: Invalid URI sent from client 404: Subscriber does not exist

Table 2-4 (Cont.) EIR Provisioning APIs

HTTP Method	Description	Sample Request	Sample Response	Possible Error Codes
GET	Retrieve complete EIR profile using IMEISV	http://ocudr-ingressgateway-prov/n5g-eir-prov/v1/equipment-status/imeisv-11111111111111111111	200 OK Response <pre>{ "profile-data": { "MSISDN": ["1111111112"], "IMSI": ["1111111121"], "IMEISV": ["1111111111111111"] }, "equipment-status": { "white": true, "grey": true, "black": true } }</pre>	400: Invalid URI sent from client 404: Subscriber does not exist

2.4 Provisioning Operations for PCF Data

This section provides provisioning operations for PCF data.

Note

UDR accepts custom fields and entities by default. To validate schema for the custom fields or entities, additional configuration is required in UDR. For more information, see [Schema Management Specifications](#). If schema definition is not added for custom fields, UDR skips the schema validation and accepts the custom fields as received in the request payload.

Resource Name: AM, SM, UEPolicySet

HTTP Method: PUT, GET, DELETE

Base URI: {apiRoot}/nudr-dr-prov/v1/policy-data/{ueId}

Table 2-5 AM, SM, UEPolicySet

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-prov/v2/policy-data/msisdn-461772271137732	To add the AM, SM, UEPolicySet information. Note: - In the 4G subscriber profile fields, State must be under sm-data/ VendorSpecific-000111 - The policy data provisioning operation API must have usage and definition information under sm-data/ VendorSpecific-000111 content. The same must be converted to 5G data and placed under sm-data/umData and sm-data/umDataLimits. - Add all the 4G quota and dynamic quota information under sm-data/umData and sm-data/umDataLimits respectively - All 5G policy data like smPolicySnssaiData must be under sm-data Payload: See PUT-AM SM UEPolicyData To add Policy Data Provisioning along with VSA Data. Payload: See PUT-Policy Data with VSA Data	400: Blob syntax error with corresponding error details 400: Invalid URI sent from client
PUT (update or delete PCF data)	NA	To update am-data and delete sm-data information. Payload: See PUT - update am-data and delete sm-data	NA

Table 2-5 (Cont.) AM, SM, UEPolicySet

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET	<code>http://localhost:8080/nudr-dr-prov/v2/policy-data/msisdn-461772271137732</code>	To view the AM, SM, UEPolicySet information.	400: Invalid URI sent from client" 404: Subscriber does not exist" 404: Data field does not exist 400: Unknown key, the key provided in the request is invalid
DELETE	<code>http://localhost:8080/nudr-dr-prov/v2/policy-data/msisdn-461772271137732</code>	To delete the AM, SM, UEPolicySet information.	400: Invalid URI sent from client 404: Subscriber does not exist 404: Data field does not exist 400: Unknown key, the key provided in the request is invalid

2.5 Subscriber Provisioning APIs for SLF

This section describes the Subscriber Provisioning APIs on SLF.

The Subscriber Provisioning APIs allows PUT, DELETE, and GET operations for imsi, nai, accountID, msisdn, and extid subscribers. The URL template used is `http://localhost:8080/nudr-group-id-map-prov/v1/slf-group/<subscriber_type>-<subscriber_id>`.

Sample URL is as follows:

- `http://localhost:8080/nudr-group-id-map-prov/v1/slf-group/imsi-2222222221`
- `http://localhost:8080/nudr-group-id-map-prov/v1/slf-group/nai-test@xyz.com`
- `http://localhost:8080/nudr-group-id-map-prov/v1/slf-group/accountID-12345678912345678912345678`
- `http://localhost:8080/nudr-group-id-map-prov/v1/slf-group/msisdn-19195225555`
- `http://localhost:8080/nudr-group-id-map-prov/v1/slf-group/extid-user@xyz.com`

Table 2-6 Subscriber Provisioning APIs

Operation Type	Sample Request	Sample Response	Possible Error Codes
PUT	<pre>http://localhost:8080/nudr-group-id- map-prov/v1/slf-group/ accountID-1234567891234567891 2345678 { "profile-data": { "imsi": ["2222222221", "2222222222"], "nai": ["test@xyz.com"], "accountID": ["1234567891234567891234567 8"], "msisdn": ["19195225555", "19195225556"], "extid": ["user@xyz.com"] }, "slfGroupName": "IMSGrp1" } Add custom fields under profile data using the following payload { "profile-data": { "imsi": ["2222222221", "2222222222"], "nai": ["test@xyz.com"], "accountID": ["1234567891234567891234567 8"], "msisdn": ["19195225555", "19195225556"], "extid": ["user@xyz.com"], "profile- fields": { "customFieldKey": "customValue" } }, "slfGroupName": "IMSGrp1" } The CHFGroupID provisioning of custom fields is done above. The sample payload for the same is as follows: { "profile-data": { "imsi": ["2222222221", "2222222222"], "nai": ["test@xyz.com"], "accountID": ["1234567891234567891234567 8"], "msisdn": ["19195225555", "19195225556"], "extid": ["user@xyz.com"], "profile- fields": { "CHFGroupId": "CHFGrp1" } }, "slfGroupName": "IMSGrp1" }</pre>	201 Created	404: Group Not Found 400: Schema validation failed for this request 400: Invalid JSON Payload 400: Invalid URI sent from client 400: Payload should contain key-value pair present in URI 400: Unknown key, the key imsi123 provided in the request is invalid

Table 2-6 (Cont.) Subscriber Provisioning APIs

Operation Type	Sample Request	Sample Response	Possible Error Codes
DELETE	http://localhost:8080/nudr-group-id-map-prov/v1/slf-group/accountID-12345678912345678912345678	204 No Content	404: Subscriber does not exist
GET	http://localhost:8080/nudr-group-id-map-prov/v1/slf-group/accountID-12345678912345678912345678	200 OK <pre>{ "profile-data": { "imsi": ["2222222221", "2222222222"], "nai": ["test@xyz.com"], "accountID": ["12345678912345678912345678912345678"], "msisdn": ["19195225555", "19195225556"], "extid": ["user@xyz.com"] }, "slfGroupName": "IMSGrp1" }</pre>	404: Subscriber does not exist 400: Invalid URI sent from client

2.6 SLF GroupName Configuration APIs for SLF

This section describes SLF GroupName Configuration APIs. The details are as follows:

Table 2-7 SLF GroupName Configuration APIs

Operation Type	Sample Request	Sample Response	Possible Error Codes
PUT	http://localhost:8080/slf-group-prov/v1/slf-group <pre>{ "slfGroupName": "IMSGrp1", "slfGroupType": "LteHss", "nfGroupIDs": { "NEF": "nef-group-name1", "UDM": "udm-group-name1", "PCF": "pcf-group-name1", "AUSF": "ausf-group-name1" } }</pre>	201 Created	400: Schema validation failed for this request 400: Invalid JSON Payload 400: Invalid URI sent from client
DELETE	http://localhost:8080/slf-group-prov/v1/slf-group?slfGroupName="IMSGrp1"	204 No Content	404: Group Not Found 403: Subscriber linked to the group 400: Invalid URI sent from client

Table 2-7 (Cont.) SLF GroupName Configuration APIs

Operation Type	Sample Request	Sample Response	Possible Error Codes
GET	http://localhost:8080/slf-group-prov/v1/slf-group?slfGroupName="IMSGrp1"	200 OK { "slfGroupName": "IMSGrp1", "slfGroupType": "LteHss", "nfGroupIDs": { "NEF": "nef-group-name1", "UDM": "udm-group-name1", "PCF": "pcf-group-name1", "AUSF": "ausf-group-name1" } }	• 404: Group Not Found • 400: Invalid URI sent from client

2.7 Provisioning Operations for UDM Data

This section provides information about the operations supported for UDM data through provisioning interface.

Resource Name: AuthenticationSubscriptionData

HTTP Method: GET, PUT, DELETE

Sample URI: http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-9110000000028/authentication-data/authentication-subscription

Table 2-8 AuthenticationSubscriptionData

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET	https://10.75.212.116:31873/nudr-dr-prov/v1/subscription-data/msisdn-7777777779/authentication-data/authentication-subscription	<pre>{ "encOpcKey": "ABED", "encTopcKey": "ACED", "algorithmId": "algoID", "sequenceNumber": { "sqn": "123456789ABE", "difSign": "NEGATIVE", "indLength": 5, "sqnScheme": "GENERAL", "lastIndexes": { "ausf": 5 } }, "encPermanentKey": "ABBA", "authenticationMethod": "5G_AKA", "protectionParameterId": "ProtecID", "authenticationManagementField": "ABBE" }</pre>	• 400: "Invalid URI sent from client" • 404: "Data field does not exist" • 404: "Subscriber does not exist" • 400: "Unknown key, the key provided in the request is invalid"
	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/authentication-data/authentication-subscription?fields=encOpcKey,algorithmId	<pre>{ "encOpcKey": "ABED", "algorithmId": "algoID" }</pre>	NA

Table 2-8 (Cont.) AuthenticationSubscriptionData

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/authentication-data/authentication-subscription	Payload: <pre>{ "authenticationMethod" : "5G_AKA", "encPermanentKey" : "ABBA", "protectionParameterId" : "ProtecID", "sequenceNumber" : { "sqnScheme" : "GENERAL", "sqn" : "123456789ABE", "lastIndexes" : { "ausf" : 5 }, "indLength" : 5, "difSign" : "NEGATIVE" }, "authenticationManagementField" : "ABBE", "algorithmId" : "algoID", "encOpcKey" : "ABED", "encTopcKey" : "ACED" }</pre>	400: " Invalid URI sent from client" 404: "Subscriber does not exist"
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/authentication-data/authentication-subscription	NA	NA

Resource Name: AuthenticationStatus**HTTP Method:** PUT, GET, DELETE

Table 2-9 AuthenticationStatus

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-9110000000028/authentication-data/authentication-status	Payload <pre>{ "nfInstanceId" : "abae35e5-cc45-4016-8dd4-89598e5311b9", "success" : true, "timeStamp" : "2018-01-02T08:17:14.090Z", "authType" : "5G_AKA", "servingNetworkName" : "5G:mnc123.mcc456.3gppnetwork.org" }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist"
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-9110000000028/authentication-data/authentication-status	<pre>{ "success": true, "authType": "5G_AKA", "timeStamp": "2018-01-02T08:17:14.090Z", "nfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9", "servingNetworkName": "5G:mnc123.mcc456.3gppnetwork.org" }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist"

Table 2-9 (Cont.) AuthenticationStatus

HTTP Method	Sample REST URL	Description	Possible Error Codes
	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/authentication-data/authentication-status?fields=nfInstanceId	{ "nfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9" }	NA
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/authentication-data/authentication-status	NA	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 400: "Unknown key, the key provided in the request is invalid"

Sub-level Name: Context Data

Resource Name: Amf3GppAccessRegistration

HTTP Method: PUT, DELETE, GET

Table 2-10 Amf3GppAccessRegistration

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/context-data/amf-3gpp-access	Payload: See PUT-Amf3GppAccessRegistration	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist"
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/context-data/amf-3gpp-access	NA	NA

Table 2-11 (Cont.) AmfNon3GppAccessRegistration

HTTP Method	Sample REST URL	Description	Possible Error Codes
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/context-data/amf-non-3gpp-access	NA	NA
	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000025/context-data/amf-non-3gpp-access/all	NA	NA
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/context-data/amf-non-3gpp-access	Output: See GET-AmfNon3GppAccessRegistration	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist "

Table 2-11 (Cont.) AmfNon3GppAccessRegistration

HTTP Method	Sample REST URL	Description	Possible Error Codes
	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/context-data/amf-non-3gpp-access?fields=backupAmfInfo, ratType	Output: <pre>{ "ratType": "WLAN", "backupAmfInfo": [{ "AmfName": "amf1.cluster1.net2.amf.5gc.mnc012.mcc345.3gppnetwork.org", "guamiList": [{ "plmnId": { "mnc": "456", "mcc": "002" } }, { "plmnId": { "mnc": "789", "mcc": "003" } }, { "plmnId": { "mnc": "789", "mcc": "003" } }] }] }</pre>	NA

Table 2-11 (Cont.) AmfNon3GppAccessRegistration

HTTP Method	Sample REST URL	Description	Possible Error Codes
	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000025/context-data/amf-non-3gpp-access/all	NA	NA

Resource Name: SmfRegistrations**HTTP Method:** GET, DELETE**Base URI:** *subscription-data/{ueld}/context-data/smf-registrations*

Table 2-12 SmfRegistrations

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-9110000000028/context-data/smf-registrations	Output: <pre>[{ "supportedFeatures": { "supFeature1": { "dnn": "dnn2", "singleNssai": { "sd": "abcdef", "sst": 32 } }, "smfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9", "emergencyServices": true, "pcscfRestorationCallbackUri": "http://ocnrf-ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances", "plmnId": { "mnc": "011", "mcc": "001" }, "pduSessionId": 123, "pgwFqdn": "abcdefgh" } }]</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist"

Table 2-12 (Cont.) SmfRegistrations

HTTP Method	Sample REST URL	Description	Possible Error Codes
DELETE	http:// localhost:8080/ nudr-dr-prov/v1/ subscription- data/ imsi-91100000002 8/context-data/ smf- registrations	NA	NA

Resource Name: IndividualSmfRegistration**HTTP Method:** PUT, DELETE, GET**Base URI:** *subscription-data/{ueld}/context-data /smf-registrations/{pduSessionId}*

Table 2-13 IndividualSmfRegistration

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/context-data/smf-registrations/123 Payload: <pre>{ "smfInstanceId" : "abae35e5-cc45-4016-8dd4-89598e5311b9", "pduSessionId" : 123, "singleNssai" : { "sst" : 32, "sd" : "abcdef" }, "plmnId" : { "mcc" : "001", "mnc" : "011" }, "supportedFeatures" : "supFeature1", "dnn" : "dnn2", "emergencyServices" : true, "pcscfRestorationCall backUri" : "http://ocnrf-ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances", "pgwFqdn" : "abcdefgh" }</pre>	Output: <pre>{ "smfInstanceId" : "abae35e5-cc45-4016-8dd4-89598e5311b9", "pduSessionId" : 123, "singleNssai" : { "sst" : 32, "sd" : "abcdef" }, "plmnId" : { "mcc" : "001", "mnc" : "011" }, "supportedFeatures" : "supFeature1", "dnn" : "dnn2", "emergencyServices" : true, "pcscfRestorationCall backUri" : "http://ocnrf-ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances", "pgwFqdn" : "abcdefgh" }</pre>	400: "Invalid URI sent from client" 404: "Subscriber does not exist"

Table 2-13 (Cont.) IndividualSmfRegistration

HTTP Method	Sample REST URL	Description	Possible Error Codes
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/context-data/smf-registrations/123	NA	400: "Invalid URI sent from client" 404: "Subscriber does not exist" 404: "Data field does not exist "
GET	Sample URI: http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/context-data/smf-registrations/123	Output: <pre>{ "dnn": "dnn2", "plmnId": { "mcc": "001", "mnc": "011" }, "pgwFqdn": "abcdefgh", "singleNssai": { "sd": "abcdef", "sst": 32 }, "pduSessionId": 123, "smfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9", "emergencyServices": true, "supportedFeatures": "supFeature1", "pcscfRestorationCallbackUri": "http://ocnrf-ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances" }</pre>	400: "Invalid URI sent from client" 404: "Subscriber does not exist" 404: "Data field does not exist "

Table 2-13 (Cont.) IndividualSmfRegistration

HTTP Method	Sample REST URL	Description	Possible Error Codes
	<code>http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/context-data/smf-registrations/123?fields=dnn</code>	Output: <pre>{ "dnn": "dnn2", "emergencyServices": true }</pre>	NA

Resource Name: Smsf3GppAccessRegistration**HTTP Method:** PUT, DELETE, GET

Table 2-14 Smsf3GppAccessRegistration

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/context-data/smsf-3gpp-access	Payload: <pre>{ "smsfInstanceId": "69d3da66-9e25-11e9-a2a3-2a2ae2dbcce4", "supportedFeatures": "BA2b5d3b977eF2458EEC80592E", "plmnId": { "mcc": "452", "mnc": "45" }, "smsfMAPAddress": "977347916", "smsfDiameterAddress" : { "name": "uLmBAnz2b7S60evNkC7tHvcEZidEXppNIp7Le9yXzucgboiXFRkYg6597LBi31n0BxEBV2ZePCfKpUiEB0ULZMxudPsPepud.emteshu rwdldooeh", "realm": "uLmBAnz2b7S60evNkC7tHvcEZidEXppNIp7Le9yXzucgboiXFRkYg6597LBi31n0BxEBV2ZePCfKpUiEB0ULZMxudPsPepud.emteshu rwdldooeh" } }</pre>	400: "Invalid URI sent from client" 404: "Subscriber does not exist"
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/context-data/smsf-3gpp-access	NA	NA

Table 2-14 (Cont.) Smsf3GppAccessRegistration

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/context-data/smsf-3gpp-access	Output: <pre>{ "smsfInstanceId": "69d3da66-9e25-11e9- a2a3-2a2ae2dbcce4", "supportedFeatures": "BA2b5d3b977eF2458EEC 80592E", "plmnId": { "mcc": "452", "mnc": "45" }, "smsfMAPAddress": "977347916", "smsfDiameterAddress" : { "name": "uLmBAnz2b7S60evNkC7t HvcEZidEXppNIp7Le9yXz ucgboiXFRkYg6597Lbi31 n0BxEBV2ZePCfKpUiEB0U LZXudPsPepud.emteshu rwdldooeh", "realm": "uLmBAnz2b7S60evNkC7t HvcEZidEXppNIp7Le9yXz ucgboiXFRkYg6597Lbi31 n0BxEBV2ZePCfKpUiEB0U LZXudPsPepud.emteshu rwdldooeh" } }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist "

Table 2-14 (Cont.) Smsf3GppAccessRegistration

HTTP Method	Sample REST URL	Description	Possible Error Codes
	<code>http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/context-data/smsf-3gpp-access?fields=plmnId,smsfInstanceId</code>	Output: <pre>{ "smsfInstanceId": "69d3da66-9e25-11e9- a2a3-2a2ae2dbcce4", "plmnId": { "mnc": "45", "mcc": "452" } }</pre>	NA

Resource Name: SmsfNon3GppAccessRegistration**HTTP Method:** PUT, DELETE, GET

Table 2-15

Operation Type	Sample Request REST URL	Sample Response	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/context-data/smsf-non-3gpp-access	Payload: <pre>{ "smsfInstanceId": "69d3da66-9e25-11e9-a2a3-2a2ae2dbcce4", "supportedFeatures": "BA2b5d3b977eF2458EEC80592E", "plmnId": { "mcc": "452", "mnc": "45" }, "smsfMAPAddress": "977347916", "smsfDiameterAddress": { "name": "uLmBAnz2b7S60evNkC7tHvcEZidEXppNIp7Le9yXzucgboiXFRkYg6597LBi31n0BxEBV2ZePCfKpUiEB0ULZMxudPsPepud.emte shurwldooeh", "realm": "uLmBAnz2b7S60evNkC7tHvcEZidEXppNIp7Le9yXzucgboiXFRkYg6597LBi31n0BxEBV2ZePCfKpUiEB0ULZMxudPsPepud.emte shurwldooeh" } } }</pre>	400: "Invalid URI sent from client" 404: "Subscriber does not exist"

Table 2-15 (Cont.)

Operation Type	Sample Request REST URL	Sample Response	Possible Error Codes
DELETE	<code>http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-9110000000028/context-data/smsf-non-3gpp-access</code>	NA	NA

Table 2-15 (Cont.)

Operation Type	Sample Request REST URL	Sample Response	Possible Error Codes
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/context-data/smsf-non-3gpp-access	Output: <pre>{ "smsfInstanceId": "69d3da66-9e25-11e9-a2a3-2a2ae2dbcce4", "supportedFeatures": "BA2b5d3b977eF2458EEC80592E", "plmnId": { "mcc": "452", "mnc": "45" }, "smsfMAPAddress": "977347916", "smsfDiameterAddress": { "name": "uLmBAnz2b7S60evNkC7tHvcEZidEXppNIp7Le9yXzucgboiXFRkYg6597LBi31n0BxEBV2ZePCfKpUiEB0ULZMxudPsPepud.emte shurwldooeh", "realm": "uLmBAnz2b7S60evNkC7tHvcEZidEXppNIp7Le9yXzucgboiXFRkYg6597LBi31n0BxEBV2ZePCfKpUiEB0ULZMxudPsPepud.emte shurwldooeh" } } }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist"

Table 2-15 (Cont.)

Operation Type	Sample Request REST URL	Sample Response	Possible Error Codes
	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/context-data/smsf-non-3gpp-access?fields=plmnId,smsfDiameterAddresses	Output: <pre>{ "plmnId": { "mnc": "45", "mcc": "452" }, "smsfDiameterAddress": { "name": "uLmBAnz2b7S60evNkC7tHvcEZidEXppNIp7Le9yXzucgboiXFRkYg6597Lbi31n0BxEBV2ZePCfKpUiEB0ULZMxudPsPepud.emte shurwldooeh", "realm": "uLmBAnz2b7S60evNkC7tHvcEZidEXppNIp7Le9yXzucgboiXFRkYg6597Lbi31n0BxEBV2ZePCfKpUiEB0ULZMxudPsPepud.emte shurwldooeh" } }</pre>	NA

Resource Name: AccessAndMobilitySubscriptionData**HTTP Method:** GET, PUT, DELETE

Table 2-16 AccessAndMobilitySubscriptionData

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000089/77889/provisioned-data/am-data	Sample Output: GET-AccessAndMobilitySubscriptionData	400: "Invalid URI sent from client" 404: "Subscriber does not exist" 404: "Data field does not exist in data table"

Table 2-16 (Cont.) AccessAndMobilitySubscriptionData

HTTP Method	Sample REST URL	Description	Possible Error Codes
	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000089/77889/provisioned-data/am-data?fields=gpsis,nssai,sorInfo	NA	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist in data table"
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000089/77889/provisioned-data/am-data	Payload: See PUT - AccessAndMobilitySubscriptionData	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist"
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000089/77889/provisioned-data/am-data	NA	NA

Resource Name: SmfSelectionSubscriptionData**HTTP Method:** PUT, DELETE, GET

Table 2-17 SmfSelectionSubscriptionData

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000089/77889/provisioned-data/smf-selection-subscription-data	Payload: <pre>{ "supportedFeatures": "692F296F2Cb3BCA76Bc1E126FeEC12", "subscribedSnssaiInfos" :{ "snsai1": {"dnnInfos":[{ "dnn":"Dnn1", "defaultDnnIndicator": true, "lboRoamingAllowed":true, "iwkEpsInd": true }, { "dnn":"Dnn2", "defaultDnnIndicator": false, "lboRoamingAllowed":true, "iwkEpsInd": true }]} }, "sharedSnssaiInfosId": "96367-9z}MD*" }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist"

Table 2-17 (Cont.) SmfSelectionSubscriptionData

HTTP Method	Sample REST URL	Description	Possible Error Codes
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000089/77889/provisioned-data/smf-selection-subscription-data	NA	

Table 2-17 (Cont.) SmfSelectionSubscriptionData

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000089/77889/provisioned-data/smf-selection-subscription-data	Output: <pre>{ "supportedFeatures": "692F296F2Cb3BCA76Bc1E126FeEC12", "sharedSnssaiInfosId": "96367-9z}MD*", "subscribedSnssaiInfos": { "snsai1": { "dnnInfos": [{ "dnn": "Dnn1", "iwkEpsInd": true, "lboRoamingAllowed": true, "defaultDnnIndicator": true }], "dnn": "Dnn2", "iwkEpsInd": true, "lboRoamingAllowed": true, "defaultDnnIndicator": false }] }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist "

Table 2-17 (Cont.) SmfSelectionSubscriptionData

HTTP Method	Sample REST URL	Description	Possible Error Codes
	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000089/77889/provisioned-data/smf-selection-subscription-data?fields=subscribedSnsaiInfos	Output: <pre> { "subscribedSnsaiInfos": { "snsai1": { "dnnInfos": [{ "defaultDnnIndicator": true, "iwkEpsInd": true, "dnn": "Dnn1", "lboRoamingAllowed": true }, { "defaultDnnIndicator": false, "iwkEpsInd": true, "dnn": "Dnn2", "lboRoamingAllowed": true }] } } }</pre>	400: "Invalid URI sent from client" 404: "Subscriber does not exist" 404: "Data field does not exist "

Resource Name: SessionManagementSubscriptionData**HTTP Method:** GET, PUT, DELETE

Table 2-18 SessionManagementSubscriptionData

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000089/77889/provisioned-data/sm-data	Output: GET-SessionManagementSubscriptionData-Provisioning	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist "
	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000089/77889/provisioned-data/sm-data?fields=internalGroupIds,dnnConfigurations	Output: GET-SessionManagementSubscriptionData-Provisioning	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist "
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000089/77889/provisioned-data/sm-data	Payload: PUT-SessionManagementSubscriptionData	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist"
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000089/77889/provisioned-data/sm-data	NA	NA

Resource Name: SMSManagementSubscriptionData**HTTP Method:** GET, PUT, DELETE

Table 2-19 SMSManagementSubscriptionData

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000089/77889/provisioned-data/sms-mng-data	Output: <pre>{ "moSmsBarringAll": true, "moSmsSubscribed": false, "mtSmsBarringAll": true, "mtSmsSubscribed": true, "supportedFeatures": "CAe8de215CFa721BB2AE7Ef9c5f71a2e", "moSmsBarringRoaming": true, "mtSmsBarringRoaming": false, "sharedSmsMngDataIds": ["16994- 'JD", "693599-9~~GX"] }</pre>	400: "Invalid URI sent from client" 404: "Subscriber does not exist" 404: "Data field does not exist "

Table 2-19 (Cont.) SMSManagementSubscriptionData

HTTP Method	Sample REST URL	Description	Possible Error Codes
	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000089/77889/provisioned-data/sms-mng-data?fields=mtSmsSubscribed,sharedSmsMngDataIds	Output: <pre>{ "mtSmsSubscribed": true, "sharedSmsMngDataIds": ["16994- 'JD", "693599-9~~GX"] }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist "
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000089/77889/provisioned-data/sms-mng-data	Payload: <pre>{ "supportedFeatures": "CAe8de215CFa721BB2AE7Ef9c5f71a2e", "mtSmsSubscribed": true, "mtSmsBarringAll": true, "mtSmsBarringRoaming": false, "moSmsSubscribed": false, "moSmsBarringAll": true, "moSmsBarringRoaming": true, "sharedSmsMngDataIds": ["16994- 'JD", "693599-9~~GX"] }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist"

Table 2-19 (Cont.) SMSManagementSubscriptionData

HTTP Method	Sample REST URL	Description	Possible Error Codes
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000089/77889/provisioned-data/sms-mng-data	NA	NA

Resource Name: TraceData**HTTP Method:** PUT, GET, DELETE

Table 2-20 TraceData

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/77889/provisioned-data/trace-data	{ "traceRef": "070207-baE6Dd", "traceDepth": "MINIMUM", "neTypeList": "0f4FBefe95bF8", "eventList": "855B5bf7bec3AFB8c", "collectionEntityIpv4Addr": "26.118.255.253", "collectionEntityIpv6Addr": "2001:db8:85a3::8a2e:370:7334" }	400: "Invalid URI sent from client" 404: "Subscriber does not exist"

Table 2-20 (Cont.) TraceData

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/77889/provisioned-data/trace-data	Output: <pre>{ "traceRef": "070207-baE6Dd", "eventList": "855B5bf7beC3AFB8c", "neTypeList": "0f4FBFEfe95bF8", "traceDepth": "MINIMUM", "collectionEntityIpv4 Addr": "26.118.255.253", "collectionEntityIpv6 Addr": "2001:db8:85a3::8a2e: 370:7334" }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist "
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/77889/provisioned-data/trace-data	NA	NA

Resource Name: SMSSubscriptionData**HTTP Method:**PUT, GET, DELETE

Table 2-21 SMSSubscriptionData

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/77889/provisioned-data/sms-data	Payload: <pre>{ "smsSubscribed":true, "sharedSmsSubsDataId": "63472-BTkzoYkBL1" }</pre>	400: "Invalid URI sent from client" 404: "Subscriber does not exist"
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/77889/provisioned-data/sms-data	Output: <pre>{ "smsSubscribed":true, "sharedSmsSubsDataId": "63472-BTkzoYkBL1" }</pre>	400: "Invalid URI sent from client" 404: "Subscriber does not exist" 404: "Data field does not exist"
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/77889/provisioned-data/sms-data	NA	NA

Sub-level Name: OperatorSpecificData**HTTP Method:** GET, PUT, DELETE

Table 2-22 OperatorSpecificData

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/operator-specific-data	Output: <pre>{ "NumberTypeElements": { "1": 1.1 }, "StringTypeElements": { "1": "s" }, "BooleanTypeElements": : { "1": true }, "IntegerTypeElements": : { "1": 1 } }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist "
	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/operator-specific-data?fields=NumberTypeElements	Output: <pre>{ "NumberTypeElements": { "1": 1.1 } }</pre>	NA

Table 2-22 (Cont.) OperatorSpecificData

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/operator-specific-data	Payload: <pre>{ "StringTypeElements": { "1": "s" }, "IntegerTypeElements": { "1": 1 }, "NumberTypeElements": { "1": 1.1 }, "BooleanTypeElements": { "1": true } }</pre>	400: "Invalid URI sent from client" 404: "Subscriber does not exist"
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/operator-specific-data	NA	NA

Sub-level Name: OperatorDeterminedBarringData**HTTP Method: GET, PUT, DELETE**

Table 2-23 OperatorDeterminedBarringData

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/operator-determined-barring-data	Payload: <pre>{ "roamingOdb": "OUTSIDE_HOME_PLMN" }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist"
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/operator-determined-barring-data	NA	NA
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/operator-determined-barring-data	Output: <pre>{ "roamingOdb": "OUTSIDE_HOME_PLMN" }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist"

Sub-level Name: ProvisionedParameterData**HTTP Method:** GET, PUT, DELETE

Table 2-24 ProvisionedParameterData

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/pp-data	Payload: <pre>{ "communicationCharacteristics": { "ppSubsRegTimer": { "subsRegTimer": 12, "afInstanceId": "f9dc5b9c-a460-11e9-a2a3-2a2ae2dbcce4", "referenceId": 1 }, "ppActiveTime": { "activeTime": 23, "afInstanceId": "f9dc5b9c-a460-11e9-a2a3-2a2ae2dbcce4", "referenceId": 2 }, "ppDlPacketCount": 1 }, "supportedFeatures": "751b" }</pre>	400: "Invalid URI sent from client" 404: "Subscriber does not exist"
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/pp-data	NA	NA

Table 2-24 (Cont.) ProvisionedParameterData

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/pp-data	Output: <pre>{ "supportedFeatures": "751b", "communicationCharacteristics": { "ppActiveTime": { "activeTime": 23, "referenceId": 2, "afInstanceId": "f9dc5b9c-a460-11e9-a2a3-2a2ae2dbcce4" }, "ppSubsRegTimer": { "referenceId": 1, "afInstanceId": "f9dc5b9c-a460-11e9-a2a3-2a2ae2dbcce4", "subsRegTimer": 12 }, "ppDlPacketCount": 1 } }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist"

Sub-level Name: EeProfileData**HTTP Method: PUT, GET, DELETE**

Table 2-25 EeProfileData

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/ee-profile-data	Payload: <pre>{ "restrictedEventTypes": ["LOSS_OF_CONNECTIVITY", "CHANGE_OF_SUPI_PEI_ASSOCIATION"], "supportedFeatures": "fcB2fFC084Fc2d5B4Afcfa2Df8614" }</pre>	400: "Invalid URI sent from client" 404: "Subscriber does not exist"
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/ee-profile-data	Output: <pre>{ "supportedFeatures": "fcB2fFC084Fc2d5B4Afcfa2Df8614", "restrictedEventTypes": ["LOSS_OF_CONNECTIVITY", "CHANGE_OF_SUPI_PEI_ASSOCIATION"] }</pre>	400: "Invalid URI sent from client" 404: "Subscriber does not exist" 404: "Data field does not exist"

Table 2-25 (Cont.) EeProfileData

HTTP Method	Sample REST URL	Description	Possible Error Codes
	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/ee-profile-data?fields=restrictedEventTypes	Output: <pre>{ "restrictedEventTypes": ["LOSS_OF_CONNECTIVITY", "CHANGE_OF_SUPI_PEI_ASSOCIATION"] }</pre>	NA
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/ee-profile-data	NA	NA

Sub-level Name: IdentityData**HTTP Method:** PUT, GET, DELETE

Table 2-26 IdentityData

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/identity-data	<pre>{ "supiList": ["imsi-516737872", "imsi-516737873"], "gpsiList": ["msisdn-101176983803402"] }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist"

Table 2-26 (Cont.) IdentityData

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/identity-data	Output: <pre>{ "gpsiList": ["msisdn-101176983803402"], "supiList": ["imsi-516737872", "imsi-516737873"] }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist "
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/identity-data	NA	NA

Sub-level Name: ue-update-confirmation-data**Resource Name:** Sor-data**HTTP Method:** PUT, GET, DELETE

Table 2-27 Sor-data

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/ue-update-confirmation-data/sor-data	<pre>{ "provisioningTime": "2012-04-23T18:25:43.511Z", "ueUpdateStatus": "NOT_SENT", "sorXmacIue": "3a84eBBb8C694Cce4ebA2FCC9307af1F", "sorMacIue": "3a84eBBb8C694Cce4ebA2FCC9307af1A" }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist"
GET	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/ue-update-confirmation-data/sor-data	Output: <pre>{ "sorMacIue": "3a84eBBb8C694Cce4ebA2FCC9307af1A", "sorXmacIue": "3a84eBBb8C694Cce4ebA2FCC9307af1F", "ueUpdateStatus": "NOT_SENT", "provisioningTime": "2012-04-23T18:25:43.511Z" }</pre>	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist"
DELETE	http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000028/ue-update-confirmation-data/sor-data	NA	NA

2.8 4G Policy Data Operations

The 4G Policy Data operations support the default entities using **Vendor Specific Attributes (VSA)** entities. The details are as follows:

Note

UDR accepts custom fields and entities by default. To validate schema for the custom fields or entities, additional configuration is required in UDR. For more information, see [Schema Management Specifications](#). If schema definition is not added for custom fields, UDR skips the schema validation and accepts the custom fields as received in the request payload.

Table 2-28 Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
POST	All Entity	{apiRoot}/nudr-dr-prov/v2/policy-data/{ueId}/sm-data/vsa	http://5G_UDR_IP:PORT/nudr-dr-prov/v2/policy-data/msisdn-33123654862/sm-data/vsa For more information about the request payload, see POST - All Entity on 4G Policy Using VSA .	• 201: Created • 400: Bad Request • 400: Duplicate Entry
GET	All Entity	{apiRoot}/nudr-dr-prov/v2/policy-data/{ueId}/sm-data/vsa	http://localhost:8080/nudr-dr-prov/v2/policy-data/msisdn-1111111111/sm-data/vsa	• 200: OK • 404: Subscriber does not exists • 404: "data field does not exists"

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
GET	Subscriber	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa? fields=subscr iber	http:// localhost:8080/nudr- dr-prov/v2/policy- data/ msisdn-1111111111/sm- data/vsa? fields=subscriber http:// 5G_UDR_IP:PORT/nudr- dr-prov/v2/policy- data/ msisdn-33123654862/s m-data/vsa/ subscriber? fields=MSISDN,Tier,E ntitlement,BillingDa y Response Body <pre>{ "MSISDN": ["33123654862"], "Entitlement": ["DayPass", "WeekPass", "Weekend"], "Tier": "Prepaid", "BillingDay": 23 }</pre>	• 200: OK • 404: Subscriber does not exists • 404: "data field does not exists"
DELETE	Subscriber	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa	http:// localhost:8080/nudr- dr-prov/v2/policy- data/ msisdn-1111111111/sm- data/vsa This API deletes the entire subscriber and VSA data.	• 204: No Content • 404: Subscriber does not exists

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
PUT	Subscriber	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa	http:// localhost:8080/nudr- dr-prov/v2/policy- data/ msisdn-1111111111/sm- data/vsa Payload <pre>{ "subscriber": { "SequenceNumber": 3, "MSISDN": ["13121149999"], "BillingDay": 3, "operateTime": "20140513162800", "Tier": 1, "custom2": "abc", "custom3": "abc123" } }</pre>	• 201: Created • 400: "Invalid URI sent from client" • 409 conflict: "sequence no invalid"

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
PATCH	subscriber	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa/ subscriber	http:// 5G_UDR_IP:PORT/nudr- dr-prov/v2/policy- data/ imsi-305801234567890 /sm-data/vsa/ subscriber Request Body <pre>[{ "op": "add", "filters": null, "patchFields": { "Entitlement": ["DayPass"] } }, { "op": "replace", "filters": null, "patchFields": { "MSISDN": ["14161234567"] } }, { "op": "delete", "filters": null, "patchFields": { "Entitlement": null } }]</pre>	• 201: Created • 204: No Content • 404: Subscriber does not exists • 404: data field does not exist

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
PUT	Quota	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa	http:// localhost:8080/nudr- dr-prov/v2/policy- data/ msisdn-1111111111/sm- data/vsa Payload <pre>{ "usage": { "SequenceNumber": 1, "quota": [{ "totalVolume": "166000", "grantedTotalVolume": "0", "name": "AggregateQuota1", "grantedinputVolume": "0", "nextResetTime": "2010-05-22T00:00:00- 05:00Z", "time": "3400", "outputVolume": "5010", "inputVolume": "10000", "grantedoutputVolume" : "0", "quotaState": "valid", "serviceSpecific": "22", "cid": "9223372036854775808" }] } }</pre>	• 201: Created • 400 : "Invalid URI sent from client" • 409 conflict : "sequence no invalid"

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
			<pre>], "version": 3 }</pre>	

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
PUT	Quota	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa/ usage/ quota/row	http:// localhost:8080/nudr- dr-prov/v2/policy- data/ msisdn-1111111111/sm- data/vsa/usage/ quota/row Payload <pre>{ "usage": { "SequenceNumber": 1, "quota": [{ "totalVolume": "166000", "grantedTotalVolume": "0", "name": "AggregateQuota1", "grantedinputVolume": "0", "nextResetTime": "2010-05-22T00:00:00- 05:00Z", "time": "3400", "outputVolume": "5010", "inputVolume": "10000", "grantedoutputVolume" : "0", "quotaState": "valid", "serviceSpecific": "22", "cid": "9223372036854775808"</pre>	• 201: created • 404: Subscriber does not exists • 400: Bad Request

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
			<pre> }], "version": 3 }</pre>	

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
GET	Quota	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa? fields=usage	http:// localhost:8080/nudr- dr-prov/v2/policy- data/ msisdn-1111111111/sm- data/vsa? fields=usage Payload <pre>{ "usage": { "SequenceNumber": 1, "quota": [{ "totalVolume": "166000", "grantedTotalVolume": "0", "name": "AggregateQuota1", "grantedinputVolume": "0", "nextResetTime": "2010-05-22T00:00:00- 05:00Z", "time": "3400", "outputVolume": "5010", "inputVolume": "10000", "grantedoutputVolume" : "0", "quotaState": "valid", "serviceSpecific": "22", "cid": "9223372036854775808"</pre>	• 200: Ok • 404: Subscriber does not exists • 404: data field does not exist

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
			<pre> }], "version": 3 }</pre>	

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
GET	Quota	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa/ usage/quota/ row? name=Q1&cid=1 1223344	http:// 5G_UDR_IP:PORT/nudr- dr-prov/v2/policy- data/ msisdn-33123654862/s m-data/vsa/usage/ quota/row? name=Q1&cid=11223344 Response Body <pre>{ "usage": { "SequenceNumber": 1, "quota": [{ "totalVolume": "166000", "grantedTotalVolume": "0", "name": "Q1", "grantedinputVolume": "0", "nextResetTime": "2010-05-22T00:00:00- 05:00Z", "time": "3400", "outputVolume": "5010", "inputVolume": "10000", "grantedoutputVolume" : "0", "quotaState": "valid", "serviceSpecific": "22", "cid":</pre>	• 200: Ok • 404: Subscriber does not exists • 404: data field does not exist

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
			<pre> "11223344" }], "version": 3 } } </pre>	
GET	Quota	<pre> {apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa/ usage/quota/ row? fields=outputvolume& name=Q3&cid=1122334 4 </pre>	<pre> http:// 5G_UDR_IP:PORT/nudr- dr-prov/v2/policy- data/ msisdn-33123654862/s m-data/vsa/usage/ quota/row? fields=outputvolume& name=Q3&cid=11223344 </pre> Response Body <pre> { "outputVolume": "4000" } </pre>	• 200: Ok • 404: Subscriber does not exists • 404: data field does not exist
DELETE	Quota	<pre> {apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa? fields=usage </pre>	<pre> http:// localhost:8080/nudr- dr-prov/v2/policy- data/ msisdn-1111111111/sm- data/vsa? fields=usage </pre>	• 204: No Content • 404: Subscriber does not exists • 404: data field does not exists
DELETE	Quota	<pre> {apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa/ usage/ quota/row </pre>	<pre> http:// 5G_UDR_IP:PORT/nudr- dr-prov/v2/policy- data/ msisdn-33123654862/s m-data/vsa/usage/ quota/row? name=Q1&cid=11223344 </pre>	• 204: No Content • 404: Subscriber does not exists • 404: data field does not exists

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
PATCH	Quota	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa/ usage/ quota/row	http:// 5G_UDR_IP:PORT/nudr- dr-prov/v2/policy- data/ msisdn-33123654862/s m-data/vsa/usage/ quota/row Request Body <pre>[{ "op": "replace", "filters": { "name": "Q1" }, "patchFields": { "inputVolume": "1000" } }, { "op": "delete", "filters": { "name": "Q1" }, "patchFields": { "OutputVolume": null }, { "op": "reset", "filters": { "name": "Q1" }, "patchFields": null }]</pre>	• 204: No Content • 404: Subscriber does not exists • 404 : data field does not exist

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
PUT	State	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa	http:// localhost:8080/nudr- dr-prov/v2/policy- data/ msisdn-1111111111/sm- data/vsa Payload <pre>{ "state": { "SequenceNumber":0, "property": [{ "name": "mcc", "value": "315" }, { "name": "expire", "value": "20130801T09:00:00" }, { "name": "approved", "value": "no" }], "version": 1 } }</pre>	• 201: Created • 400 : "Invalid URI sent from client" • 409 conflict : "sequence no invalid"

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
GET	State	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa? fields=state	http:// localhost:8080/nudr- dr-prov/v2/policy- data/ msisdn-1111111111/sm- data/vsa? fields=state Payload <pre>{ "state": { "SequenceNumber":0, "property": [{ "name": "mcc", "value": "315" }, { "name": "expire", "value": "20130801T09:00:00" }, { "name": "approved", "value": "no" }], "version": 1 } }</pre>	• 200: Ok • 404 : "Subscriber does not exist" • 404: data field does not exists

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
GET	State	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa/ state/ property/row? fields=mcc,ex pire	http:// 5G_UDR_IP:PORT/nudr- dr-prov/v2/policy- data/ msisdn-33123654862/s m-data/vsa/state/ property/row? fields=mcc,expire Response Body { "property": [{ "name": "mcc", "value": "315" }], { "name": "expire", "value": "20130801T09:00:00" }] }	• 200: Ok • 404: Subscriber does not exists • 404 : data field does not exist
DELETE	State	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa? fields=state	http:// localhost:8080/nudr- dr-prov/v2/policy- data/ msisdn-1111111111/sm- data/vsa? fields=state	• 204: No Content • 404: Subscriber does not exists • 404: data field does not exists

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
PATCH	State	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa/ state/ property/row	http:// 5G_UDR_IP:PORT/nudr- dr-prov/v2/policy- data/ imsi-302370123456789 /sm-data/vsa/state/ property/row Request Body <pre>[{ "op": "replace", "filters": null, "patchFields": { "mcc": "302" } }, { "op": "replace", "filters": null, "patchFields": { "approved": "no" } }, { "op": "delete", "filters": null, "patchFields": { "mcc": null } }]</pre>	• 204: No Content • 404: Subscriber does not exists • 404: data field does not exist

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
PUT	DynamicQuota	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa	http:// localhost:8080/nudr- dr-prov/v2/policy- data/ msisdn-1111111111/sm- data/vsa Payload <pre>{ "definition": { "SequenceNumber": 1, "version": 1, "DynamicQuota": [{ "InstanceId": "15678", "Priority": "4", "InitialInputVolume": "15000", "InterimReportingInterval": "1000", "Duration": "100", "InitialOutputVolume": "5000", "Type": "pass", "activationdatetime": "2015-03-09T11:20:32Z", "expirationdatetime": "2015-04-09T11:20:32Z", "InitialTotalVolume": "20000", "name":</pre>	• 201: Created • 400: "Invalid URI sent from client" • 409 conflict: "sequence no invalid"

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
			<pre>"DynamicAggregateLimit", "InitialServiceSpecific": "9", "InitialTime": "135" }] } }</pre>	

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
PUT	DynamicQuota	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa/ definition/ DynamicQuota/ row	http:// 5G_UDR_IP:PORT/nudr- dr-prov/v2/policy- data/ msisdn-33123654862/s m-data/vsa/ definition/ DynamicQuota/row Request Body <pre>{ "definition": "DynamicQuota": [{ "InstanceId": "15678", "Priority": "4", "InitialInputVolume": "1500", "InterimReportingInte rval": "100", "Duration": "10", "InitialOutputVolume" : "500", "Type": "pass", "activationdatetime": "2015-03-09T11:20:32Z ", "expirationdatetime": "2015-04-09T11:20:32Z ", "InitialTotalVolume": "2000", "name": "AggregateLimit", "InitialServiceSpecif ic": "4", "InitialTime": "135" }] }</pre>	• 201: created • 404: Subscriber does not exists • 400: Bad Request

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
			} }	

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
GET	DynamicQuota	{apiRoot}/nudr-dr-prov/v2/policy-data/{ueId}/sm-data/vsa?fields=definition	http://localhost:8080/nudr-dr-prov/v2/policy-data/{ueId}/sm-data/vsa?fields=definition Payload <pre>{ "definition": { "SequenceNumber": 1, "version": 1, "DynamicQuota": [{ "InstanceId": "15678", "Priority": "4", "InitialInputVolume": "15000", "InterimReportingInterval": "1000", "Duration": "100", "InitialOutputVolume": "5000", "Type": "pass", "activationdatetime": "2015-03-09T11:20:32Z", "expirationdatetime": "2015-04-09T11:20:32Z", "InitialTotalVolume": "20000", </pre>	• 200: Ok • 404: "Subscriber does not exist" • 404: data field does not exist

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
			<pre>"name": "DynamicAggregateLimit", "InitialServiceSpecific": "9", "InitialTime": "135" }] }</pre>	

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
GET	DynamicQuota	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa/ definition/ DynamicQuota/ row? name=Q1&cid=1 1223344	http:// 5G_UDR_IP:PORT/nudr- dr-prov/v2/policy- data/ msisdn-33123654862/s m-data/vsa/ definition/ DynamicQuota/row? name=DQ1&InstanceId= 11223344 Response Body <pre>{ "definition": { "SequenceNumber": 1, "version": 1, "DynamicQuota": [{ "InstanceId": "15678", "Priority": "4", "InitialInputVolume": "15000", "InterimReportingInte rval": "1000", "Duration": "100", "InitialOutputVolume" : "5000", "Type": "pass", "activationdatetime": "2015-03-09T11:20:32Z ", "expirationdatetime": "2015-04-09T11:20:32Z ",</pre>	• 200: Ok • 404: Subscriber does not exists • 404: data field does not exist

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
			<pre> "InitialTotalVolume": "20000", "name": "DynamicAggregateLimit", "InitialServiceSpecific": "9", "InitialTime": "135" }] } } </pre>	
GET	DynamicQuota	{apiRoot}/ nudr-dr- prov/v2/ policy-data/ {ueId}/sm- data/vsa/ definition/ DynamicQuota/ row? name=DQ3&InstanceId=15678& fields=InstanceId,InitialTotalVolume,InitialInputVolume	http:// 5G_UDR_IP:PORT/nudr- dr-prov/v2/policy- data/ msisdn-15145551234/s- m-data/vsa/ definition/ DynamicQuota/row? name=DQ3&InstanceId=15678&fields=InstanceId,InitialTotalVolume,InitialInputVolume Response Body <pre> { "InstanceId": "15678" "InitialTotalVolume": "2000" "InitialInputVolume": "1500" } </pre>	• 200: Ok • 404: Subscriber does not exists • 404: data field does not exist

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
DELETE	DynamicQuota	{apiRoot}/nudr-dr-prov/v2/policy-data/{ueId}/sm-data/vsa?fields=definition	http://localhost:8080/nudr-dr-prov/v2/policy-data/msisdn-1111111111/sm-data/vsa?fields=definition	• 204: No Content • 404: Subscriber does not exists • 404 : data field does not exist
DELETE	DynamicQuota	{apiRoot}/nudr-dr-prov/v2/policy-data/msisdn-33123654862/sm-data/vsa/definition/DynamicQuota/row?name=DQ1	http://5G_UDR_IP:PORT/nudr-dr-prov/v2/policy-data/msisdn-33123654862/sm-data/vsa/definition/DynamicQuota/row?name=DQ1	• 204: No Content • 404: Subscriber does not exists • 404: data field does not exist

Table 2-28 (Cont.) Default Entities Supported on 4G UDR using VSA

HTTP Method	Resource Name	Sample REST URL	Description	Possible Result Codes
PATCH	DynamicQuota	{apiRoot}/nudr-dr-prov/v2/policy-data/{ueId}/sm-data/vsa/definition/DynamicQuota/row	http://5G_UDR_IP:PORT/nudr-dr-prov/v2/policy-data/{ueId}/sm-data/vsa/definition/DynamicQuota/row Request Body <pre>[{ "op": "replace", "filters": { "name": "DQ1", "InstanceId": "15678" }, "patchFields": { "InitialTotalVolume": "1000" } }, { "op": "delete", "filters": { "name": "DQ1", "InstanceId": "11223344" }, "patchFields": { "InitialInputVolume": null } }]</pre>	• 204: No Content • 404: Subscriber does not exists • 404: data field does not exist
DELETE	All Entities Except Subscriber entity	{ apiRoot}/nudr-dr-prov/v2/policy-data/{ueId}/sm-data/vsa?fields=all	http://5G_UDR_IP:PORT/nudr-dr-prov/v2/policy-data/{ueId}/sm-data/vsa?fields=all This API deletes all VSA data (quota, state, and dynamicQuota) except subscriber entity.	• 204: No Content • 404: Subscriber does not exists • 404: data field does not exist

3

Signaling API Specifications

This section describes signaling API specifications

3.1 Operations Supported for NEF Data

This section provides information about the operations supported for NEF Data.

All APIs are supported as per TS29.519 v16.8.0 on UDR. Sample payloads are as follow:

- [GET - Access and Mobility Data](#)
- [PUT - Access and Mobility Data](#)
- [GET - PDUSessionManagementData](#)
- [PUT - PDU Session Management Data](#)
- [POST - ExposureDataSubscription](#)
- [PUT - ExposureDataSubscription](#)

3.2 Operations Supported for EIR Data

This section provides information about the operations supported for EIR Data.

All APIs are supported as per TS 29.511v16 on UDR. Sample payloads are as follow:

- [GET-equipment-status](#)

3.3 Operations Supported for PCF Data

This section provides information about the operations supported for PCF Data (PCF as consumer).

All APIs are supported as per TS29.519 v16.8.0 on UDR. Sample payloads are as follow:

- [PATCH-SessionManagementPolicyData](#)
- [PUT-UEPolicySet](#)
- [PUT-UEPolicySet](#)
- [PUT-UsageMonitoringInformation](#)

3.3.1 Subscription Operations for Policy Data

This section provides information about the subscription operations for policy data.

All APIs are supported as per TS29.519 v16.8.0 on UDR. Sample payloads are as below:

- [POST-Subscription Operations](#)
- [PUT-Subscription Operations](#)
- [PUT-Subscription Operations](#)

3.3.2 Subscription Notification Formats for PCF Data

This section provides information about the subscription notification formats for PCF data

All APIs are supported as per TS29.519 v16.8.0 on UDR. Sample payloads are as below:

- [PUT or PATCH - Subscription Notification](#)
- [DELETE DATA - Subscription Notification](#)
- [DELETE SUBSCRIBER - Subscription Notification](#)

3.4 Operations Supported for SLF Data

This section provides information about operations supported for SLF Data feature.

All APIs are supported as per 3GPP TS 29.504 v16.2.0 on UDR. Sample payloads are as follow:

- [GET-Subscriber ID](#)

3.5 Operations Supported for UDM Data

This section provides information about the operations supported for UDM data

All APIs are supported as per TS29.505 on UDR. Sample payloads are as follow:

- [GET-ContextData](#)
- [GET - Context Data - SMSF](#)
- [PATCH - Amf3GppAccessRegistration](#)
- [GET-Amf3GppAccessRegistration](#)
- [GET-Amf3GppAccessRegistration](#)
- [PUT-AmfNon3GppAccessRegistration](#)
- [GET-AmfNon3GppAccessRegistration](#)
- [GET-AmfNon3GppAccessRegistration](#)
- [GET-AuthenticationSubscriptionData](#)
- [PATCH-AuthenticationSubscriptionData](#)
- [PUT-AuthenticationStatus](#)
- [GET-AuthenticationStatus](#)
- [GET - AccessAndMobilitySubscriptionData](#)
- [PUT-AccessAndMobilitySubscriptionData](#)
- [GET-SessionManagementSubscriptionData](#)
- [GET-ProvisionedData](#)

3.5.1 Subscription Operations for UDM Data

This table provides information about the subscription operations for UDM data.

All APIs are supported as per TS29.505 on UDR. Sample payloads are as follow:

- [POST-SDMSubscriptions](#)
- [PUT - SDMSubscriptions](#)
- [GET-SDMSubscriptions](#)
- [Post-Output-SubscriptionDataSubscriptions](#)
- [Post-SubscriptionDataSubscriptions](#)
- [Get-Output-SubscriptionDataSubscriptions](#)

3.6 UDSF Data Operations

The following table provides information about the UDSF Data Operations.

Table 3-1 UDSF Data Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	<code>https://localhost:9443/nudsf-dr/v1/udsf/msisdn-1111111111/udsf-data</code>	Sample data blob for UDSF data is: <pre>{ "a": 1, "b": 2 }</pre> Create or update request that adds or modifies the unstructured data for a given subscriber.	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 400: "Unknown key, the key provided in the request is invalid" • 400: "Blob syntax error with corresponding error details"
GET	<code>https://localhost:9443/nudsf-dr/v1/udsf/msisdn-1111111111/udsf-data</code>	Retrieves the unstructured data for the given subscriber.	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 404: "Data field does not exist" • 400: "Unknown key, the key provided in the request is invalid"
DELETE	<code>https://localhost:9443/nudsf-dr/v1/udsf/msisdn-1111111111/udsf-data</code>	Deletes the unstructured data for the given subscriber.	• 400: "Invalid URI sent from client" • 404: "Subscriber does not exist" • 400: "Unknown key, the key provided in the request is invalid"

4

Schema Management Specifications

This section describes the schema management specification operations for PCF, SLF, EIR, and UDM.

- [Profile Data Schema Management](#)
- [PCF Schema Management](#)
- [SLF Schema Management](#)
- [EIR Schema Management](#)
- [UDM Schema Management](#)

4.1 Profile Data Schema Management

The following table lists the Profile Data Schema Management operations.

OpenAPI for Management URI: OpenAPIMGM.yml

Table 4-1 Profile Data SchemaManagement Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	<code>http://localhost:8081/nudr-dr-mgm/v1/profile-data/schema</code>	To add new field "customFieldKey" for profile-data, see PUT Profile Data This operation adds a new schema with version tag as "v1" and current schema points to "v1" now. To rollback to any other schema version, which already exists in database: <code>http://localhost:8081/nudr-dr-mgm/v1/profile-data/schema/version/v0</code>	• 400: In case of JSON syntax error with appropriate error message sent from SQL database. • 400: Invalid URI sent from client • 405: Operation not allowed

Table 4-1 (Cont.) Profile Data SchemaManagement Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET	- To get currently supported schema: <code>http://localhost:8081/nudr-dr-mgm/v1/profile-data/schema</code> - To get all schema versions supported by a resource: <code>http://localhost:8081/nudr-dr-mgm/v1/profile-data/schema?version=all</code> - To get any specific schema version: <code>http://localhost:8081/nudr-dr-mgm/v1/profile-data/schema?version=v1</code>	NA	405: Operation not allowed
DELETE	You cannot delete schema, which is currently in use. To delete any other stored schema: <code>http://localhost:8081/nudr-dr-mgm/v1/profile-data/schema/version/v0</code>	NA	405: Operation not allowed (in case of deleting current schema)

4.1.1 Management APIs for Attribute Mapping

The following table lists attribute mapping APIs on 5G UDR for conversion of 4G to 5G quota and dynamic quota attributes:

Table 4-2 Attribute Mapping

Operation Type	Sample REST URL	Description	Possible error codes
PUT - Quota Attribute (Individual field)	http:// localhost:8080/ nudr-dr-mgm/v1/ attribute- mapping/quota/ {4g-attribute- name} Example: http:// localhost:8080/ nudr-dr-mgm/v1/ attribute- mapping/quota/ custom1	Adding or updating a quota attribute Payload: <pre>{ "fiveg- attribute- placeholder": "umData", "quota- type": "quota", "fiveg- attribute-name": "fivegcustom1", "fiveg- attribute- datatype": "string", "fourg- attribute-name": "custom1" }</pre> Result Code: 201 on creation and 204 on updates	400: Invalid value for fiveg-attribute- placeholde 400: Invalid URI 400: Invalid value for quota-type 400: quota type in url and payload should be same 400: 4G attribute name in url and payload should be same 404: Attribute Mapping not found 405: Operation not allowed

Table 4-2 (Cont.) Attribute Mapping

Operation Type	Sample REST URL	Description	Possible error codes
PUT - Dynamic Quota Attribute (Individual field)	http://localhost:8080/nudr-dr-mgm/v1/attribute-mapping/dynamicquota/{4g-attribute-name} Example: http://localhost:8080/nudr-dr-mgm/v1/attribute-mapping/dynamicquota/custom1	Adding or updating a dynamic quota attribute Payload: <pre>{ "fiveg-attribute-placeholder": "umDataLimits", "quota-type": "dynamicquota", "fiveg-attribute-name": "fivegcustom1", "fiveg-attribute-datatype": "string", "fourg-attribute-name": "custom1" }</pre> Result Code: 201 on creation and 204 on update	400: Invalid value for fiveg-attribute-placeholder 400: Invalid URI 400: Invalid value for quota-type 400: quota type in url and payload should be same 400: 4G attribute name in url and payload should be same 404: Attribute Mapping not found 405: Operation not allowed
GET - Quota Attribute (Individual field)	http://localhost:8080/nudr-dr-mgm/v1/attribute-mapping/quota/{4g-attribute-name} Example: http://localhost:8080/nudr-dr-mgm/v1/attribute-mapping/quota/custom1	Payload: <pre>{ "fiveg-attribute-placeholder": "umData", "quota-type": "quota", "fiveg-attribute-name": "fivegcustom1", "fiveg-attribute-datatype": "string", "fourg-attribute-name": "custom1" }</pre> Result Code: 200 on success	400: Invalid URI 404: Attribute mapping not found 405: Operation not allowed

Table 4-2 (Cont.) Attribute Mapping

Operation Type	Sample REST URL	Description	Possible error codes
GET - Dynamic Quota Attribute (Individual field)	http://localhost:8080/nudr-dr-mgm/v1/attribute-mapping/dynamicquota/{4g-attribute-name} Example: http://localhost:8080/nudr-dr-mgm/v1/attribute-mapping/dynamicquota/custom1	Response payload: <pre>{ "fiveg-attribute-placeholder": "umDataLimits", "quota-type": "dynamicquota", "fiveg-attribute-name": "fivegcustom1", "fiveg-attribute-datatype": "string", "fourg-attribute-name": "custom1" }</pre> Result Code: 200 on success	400: Invalid URI 404: Attribute mapping not found 405: Operation not allowed
DELETE - Quota Attribute (Individual field)	http://localhost:8080/nudr-dr-mgm/v1/attribute-mapping/quota/{4g-attribute-name}/version/v1 Example: http://localhost:8080/nudr-dr-mgm/v1/attribute-mapping/quota/custom1/version/v1	Result Code: 204 on deletion	400: Invalid URI 404: Attribute mapping not found 405: Operation not allowed

Table 4-2 (Cont.) Attribute Mapping

Operation Type	Sample REST URL	Description	Possible error codes
DELETE - Dynamic Quota Attribute (Individual field)	<code>http://localhost:8080/nudr-dr-mgm/v1/attribute-mapping/dynamicquota/{4g-attribute-name}/version/v1</code> Example: <code>http://localhost:8080/nudr-dr-mgm/v1/attribute-mapping/dynamicquota/custom1/version/v1</code>	Result Code: 204 on deletion	400: Invalid URI 404: Attribute mapping not found 405: Operation not allowed

Table 4-2 (Cont.) Attribute Mapping

Operation Type	Sample REST URL	Description	Possible error codes
GET (All Quota Attribute)	http://localhost:8080/nudr-dr-mgm/v1/attribute-mapping/quota	Payload: <pre>[{ "fiveg-attribute-placeholder": "umData", "quota-type": "quota", "fiveg-attribute-name": "fivegcustom1", "fiveg-attribute-datatype": "string", "fourg-attribute-name": "custom1" }, { "fiveg-attribute-placeholder": "umData", "quota-type": "quota", "fiveg-attribute-name": "fivegcustom1", "fiveg-attribute-datatype": "string", "fourg-attribute-name": "custom2" }]</pre> Return 200 on success	400: Invalid URI 404: Attribute mapping not found 405: Operation not allowed

Table 4-2 (Cont.) Attribute Mapping

Operation Type	Sample REST URL	Description	Possible error codes
GET (All Dynamic Quota Attribute)	http://localhost:8080/nudr-dr-mgm/v1/attribute-mapping/dynamicquota	Payload: <pre>[{ "fiveg-attribute-placeholder": "umData", "quota-type": "dynamicquota", "fiveg-attribute-name": "fivegcustom1", "fiveg-attribute-datatype": "string", "fourg-attribute-name": "custom1" }, { "fiveg-attribute-placeholder": "umData", "quota-type": "dynamicquota", "fiveg-attribute-name": "fivegcustom1", "fiveg-attribute-datatype": "string", "fourg-attribute-name": "custom2" } }]</pre> Return 200 on success	400: Invalid URI 404: Attribute mapping not found 405: Operation not allowed

Table 4-2 (Cont.) Attribute Mapping

Operation Type	Sample REST URL	Description	Possible error codes
PUT (All Quota Attribute)	http://localhost:8080/nudr-dr-mgm/v1/attribute-mapping/quota	To Add, Update, or Delete quota attributes. Payload: <pre>[{ "fiveg-attribute-placeholder": "umData", "quota-type": "quota", "fiveg-attribute-name": "fivegcustom1", "fiveg-attribute-datatype": "string", "fourg-attribute-name": "custom1" }, { "fiveg-attribute-placeholder": "umData", "quota-type": "quota", "fiveg-attribute-name": "fivegcustom1", "fiveg-attribute-datatype": "string", "fourg-attribute-name": "custom2" }]</pre> Return 201 on creation and 204 on updates	400: Invalid value for fiveg-attribute-placeholder 400: Invalid URI 400: Invalid value for quota-type 400: quota type in url and payload should be same 404: Attribute Mapping not found 405: Operation not allowed

Table 4-2 (Cont.) Attribute Mapping

Operation Type	Sample REST URL	Description	Possible error codes
PUT (All Dynamic Quota Attribute)	<code>http://localhost:8080/nudr-dr-mgm/v1/attribute-mapping/dynamicquota</code>	To Add, Update, or Delete dynamic quota attributes. Payload: <pre>[{ "fiveg-attribute-placeholder": "umData", "quota-type": "dynamicquota", "fiveg-attribute-name": "fivegcustom1", "fiveg-attribute-datatype": "string", "fourg-attribute-name": "custom1" }, { "fiveg-attribute-placeholder": "umData", "quota-type": "dynamicquota", "fiveg-attribute-name": "fivegcustom1", "fiveg-attribute-datatype": "string", "fourg-attribute-name": "custom2" }]</pre> Return 201 on creation and 204 on updates	400: Invalid value for fiveg-attribute-placeholder 400: Invalid URI 400: Invalid value for quota-type 400: quota type in url and payload should be same 404: Attribute Mapping not found 405: Operation not allowed

4.2 PCF Schema Management

The following table lists the PCF Schema Management operations.

OpenAPI for Management URI: OpenAPIMGM.yml

Table 4-3 PCF Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	<code>https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/am-data</code>	Adding new field "custom" for am-data. Source: PCF Schema Management - PUT This operation adds one new schema with version tag as "v1" and current points to "v1" now. 2) To rollback to any other schema version which already exist in db: <code>https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/am-data/version/v0</code>	• 405: Operation not allowed • 400: In case of JSON syntax error with appropriate error message sent from SQL database. • 400: Invalid URI sent from client
GET	• To get currently supported schema: <code>https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/am-data</code> • To get all schema versions supported by a resource: <code>https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/am-data?version=all</code> • To get any specific schema version: <code>https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/am-data?version=v1</code>	NA	• 405 : Operation not allowed

Table 4-3 (Cont.) PCF Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
DELETE	- Schema which is currently in use could not be deleted. - To delete any other stored schema: https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/am-data/version/v1	NA	405: "Operation not allowed" (in case of deleting current schema)
PUT	https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/sm-data	Remove mandatory parameter for sm-data, see, PUT - sm-data schema This operation will add one new schema with version tag as "v2" and current will point to "v2" now. To rollback to any other schema version which already exists in db: https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/sm-data/version/v0	405: Operation not allowed 400: In case of JSON syntax error with appropriate error message sent from SQL database. 400: Invalid URI sent from client
GET	To get currently supported schema: https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/sm-data To get all schema versions supported by a resource: https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/sm-data?version=all To get any specific schema version: https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/sm-data?version=v1		405: Operation not allowed

Table 4-3 (Cont.) PCF Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
DELETE	Schema which is currently in use could not be deleted. To delete any other stored schema: https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/sm-data/version/v1		405: Operation not allowed
PUT	https://localhost:8081/nudr-dr-mgm/v1/policy-data/schema/ue-policy-set	For ue-policy-set schema, see, PUT-ue-policy-set schema This operation will add one new schema with version tag as "v2" and current will point to "v2" now. To rollback to any other schema version which already exist in db: https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/ue-policy-set/version/v0	• 405: "Operation not allowed" • 400: In case of JSON syntax error with appropriate error message sent from SQL database. • 400: Invalid URI sent from client
GET	To get currently supported schema: https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/ue-policy-set To get all schema versions supported by a resource. https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/ue-policy-set?version=all To get any specific schema version: https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/ue-policy-set?version=v1		405: Operation not allowed

Table 4-3 (Cont.) PCF Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
DELETE	Schema which is currently in use could not be deleted To delete any other stored schema: https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/ue-policy-set/version/v1		405: Operation not allowed
PUT (vsa)	https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/sm-data/vsa	- To add a new field "custom" for VSAVSA Example Schema: PCF Schema Management - PUT (VSA). This operation adds one new schema with version tag as "v1" and current points to "v1" now. - To rollback to any other schema version which already exists in db: https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/sm-data/vsa/version/v0	400: in case of json syntax error with appropriate error message sent from SQL db. 400: Invalid URI sent from client

Table 4-3 (Cont.) PCF Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET(VSA)	- To get currently supported schema: https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/sm-data/vsa - To get all schema versions supported by a resource. https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/sm-data/vsa?version=all - To get any specific schema version https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/sm-data/vsa?version=v1	VSA_GET_CURRENT_SCHEMA PCF Schema Management - GET (VSA) VSA_GET_ALL_SCHEMA PCF Schema Management - VSA GET ALL SCHEMA VSA_GET_V1 PCF Schema Management - VSA GET V1	405 : Operation not allowed
DELETE	- Schema which is currently in use could not be deleted. - To delete any other stored schema: https://localhost:9443/nudr-dr-mgm/v1/policy-data/schema/sm-data/vsa	NA	405 : "Operation not allowed" (in case of deleting current schema)

4.3 SLF Schema Management

The following table lists the SLF Schema Management operations.

OpenAPI for Management URI: OpenAPIMGM.yml

Table 4-4 SLF Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	<code>https://localhost:9443/nudr-dr-mgm/v1/slf-group/schema/slf-group-prov</code>	- To add a new field "expiry" for slf-group-prov: SLF_GROUP_PROV_SCHEMA: SLF Schema Management - PUT (SLF) This operation adds one new schema with version tag as "v2" and current points to "v2" now. - To rollback to any other schema version which already exist in db: <code>https://localhost:9443/nudr-dr-mgm/v1/slf-group/schema/slf-group-prov/version/v2</code>	405: Operation not allowed 400: in case of JSON syntax error with appropriate error message sent from SQL database. 400: Invalid URI sent from client
GET	- To get currently supported schema: <code>https://localhost:9443/nudr-dr-mgm/v1/slf-group/schema/slf-group-prov</code> - To get all schema versions supported by a resource: <code>https://localhost:9443/nudr-dr-mgm/v1/slf-group/schema/slf-group-prov?version=all</code> - To get any specific schema version: <code>https://localhost:9443/nudr-dr-mgm/v1/slf-group/schema/slf-group-prov?version=v1</code>	NA	404: Not Found
DELETE	To delete any other stored schema: <code>https://localhost:9443/nudr-dr-mgm/v1/slf-group/schema/slf-group-prov/version/v1</code>	Schema, which is currently in use could not be deleted.	405: "Operation not allowed" (in case of deleting current schema) 404: Not Found

4.4 EIR Schema Management

The following table lists the EIR Schema Management operations.

OpenAPI for Management URI: OpenAPIMGM.yml

Table 4-5 EIR Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT	http://localhost:8080/nudr-dr-mgm/v1/equipment-status/schema/n5g-eir-prov	201 CREATED This schema will support equipment status with multiple combination of grey, black, and white. This serves as the default schema. Body <pre>{ "type": "object", "\$schema": "http://json-schema.org/draft-07/schema#", "properties": { "equipment-status": { "type": "object", "properties": { "grey": { "type": "boolean", "default": false, "examples": [false] }, "black": { "type": "boolean", "default": false, "examples": [true] }, "white": { "type": "boolean", "default": false, "examples": [true] } } } } }</pre>	405: Operation not allowed 400: in case of JSON syntax error with appropriate error message sent from SQL database. 400: Invalid URI sent from client

Table 4-5 (Cont.) EIR Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
		<pre> "additionalProperties ": false } } } </pre> This schema will allow one of grey, white, and black inside equipment status only when it is set to true. Body <pre> { "\$schema": "http://json- schema.org/draft-07/ schema#", "type": "object", "properties": { "equipment- status": { "type": "object", "oneOf": [{ "required": ["gray"] }, { "required": ["white"] }, { "required": ["black"] }], "properties": { "gray": { "const": true }, "white": { "const": true }, </pre>	

Table 4-5 (Cont.) EIR Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
		<pre> "black": { "const": true } } } } </pre>	
GET	- To get currently supported schema: http://localhost:8080/nudr-dr-mgm/v1/equipment-status/schema/n5g-eir-prov - To get all schema versions supported by a resource: http://localhost:8080/nudr-dr-mgm/v1/equipment-status/schema/n5g-eir-prov?version=all - To get any specific schema version: http://localhost:8080/nudr-dr-mgm/v1/equipment-status/schema/n5g-eir-prov?version=v1	NA	404: Not Found
DELETE	You cannot delete schema, which is currently in use. To delete any other stored schema: http://localhost:8080/nudr-dr-mgm/v1/equipment-status/schema/n5g-eir-prov/version/v0	NA	405: "Operation not allowed" (in case of deleting current schema) 404: Not Found

4.5 UDM Schema Management

The following table list the UDM Schema Management operations.

OpenAPI for Management URI: OpenAPIMGM.yml

Table 4-6 UDM Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT (provisioned-data/am-data)	<code>http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/am-data</code>	To add a new field "custom" for am-data. Schema for provisioned/am-data: UDM Schema Management - PUT (provisioned-data/am-data) This operation adds one new schema with version tag as "v1" and current points to "v1" now. To rollback to any other schema version, which already exist in db: <code>http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/am-data/version/v0</code>	405: Operation not allowed 400: in case of JSON syntax error with appropriate error message sent from SQL database 400: Invalid URI sent from client
GET	- To get currently supported schema: <code>http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/am-data</code> - To get all schema versions supported by a resource: <code>http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/am-data?version=all</code> - To get any specific schema version: <code>http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/am-data?version=v1</code>	NA	405: Operation not allowed

Table 4-6 (Cont.) UDM Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
DELETE	To delete any other stored schema: <code>http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/am-data/version/v1</code>	Schema currently in use cannot not be deleted.	405: "Operation not allowed" (in case of deleting current schema)
PUT (provisioned/sm-data)	<code>http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sm-data</code>	- To add a new field "custom" for sm-data Schema for provisioned/sm-data: UDM Schema Management - PUT(provisioned/sm-data) This operation adds one new schema with version tag as "v1" and current points to "v1" now. - To rollback to any other schema version which already exist in db: <code>http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sm-data/version/v0</code>	400: In case of JSON syntax error with an appropriate error message sent from SQL database. 400: Invalid URI sent from client

Table 4-6 (Cont.) UDM Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET	- To get currently supported schema: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sm-data - To get all schema versions supported by a resource: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sm-data?version=all - To get any specific schema version: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sm-data?version=v1	NA	405: Operation not allowed
DELETE	To delete any other stored schema: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sm-data/version/v1	Schema currently in use could not be deleted.	405: "Operation not allowed" (in case of deleting current schema)

Table 4-6 (Cont.) UDM Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT (provisioned/ smf-selection- subscription-data)	http:// localhost:8086/nudr- dr-mgm/v1/ subscription-data/ schema/provisioned- data/smf-selection- subscription-data	To add a new field "custom" for smf-selection-subscription-data provisioned/smf-selection-subscription-data: UDM Schema Management - PUT (provisioned/smf-selection-subscription-data) This operation adds one new schema with version tag as "v1" and current points to "v1" now. To rollback to any other schema version which already exist in db: http:// localhost:8086/nudr- dr-mgm/v1/ subscription-data/ schema/provisioned- data/smf-selection- subscription-data/ version/v0	• 405: Operation not allowed • 400: In case of JSON syntax error with an appropriate error message sent from SQL database. • 400: Invalid URI sent from client

Table 4-6 (Cont.) UDM Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET	- To get currently supported schema: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/smf-selection-subscription-data - To get all schema versions supported by a resource: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/smf-selection-subscription-data?version=all - To get any specific schema version: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/smf-selection-subscription-data?version=v1	NA	405: Operation not allowed
DELETE	To delete any other stored schema: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/smf-selection-subscription-data/version/v1	Schema currently in use could not be deleted.	405: "Operation not allowed" (in case of deleting current schema)

Table 4-6 (Cont.) UDM Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT (provisioned/sms-mng-data)	http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sms-mng-data	To add a new field "custom" for sms-mng-data provisioned/sms-mng-data: UDM Schema Management - PUT(provisioned/sms-mng-data) This operation adds one new schema with version tag as "v1" and current points to "v1" now. To rollback to any other schema version which already exist in db: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sms-mng-data/version/v0	405: Operation not allowed 400: In case of JSON syntax error with an appropriate error message sent from SQL database. 400: Invalid URI sent from client
GET	- To get currently supported schema: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sms-mng-data - To get all schema versions supported by a resource: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sms-mng-data?version=all - To get any specific schema version: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sms-mng-data?version=v1	NA	405: Operation not allowed

Table 4-6 (Cont.) UDM Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
DELETE	To delete any other stored schema: <code>http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sms-mng-data/version/v1</code>	Schema currently in use could not be deleted.	405: "Operation not allowed" (in case of deleting current schema)
PUT (provisioned/trace-data)	<code>http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/trace-data</code>	To add a new field "custom" for trace-data provisioned/trace-data: UDM Schema Management - PUT(provisioned/trace-data). This operation adds one new schema with version tag as "v1" and current point to "v1" now. To rollback to any other schema version, which already exist in db: <code>http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/trace-data/version/v0</code>	405: Operation not allowed 400: In case of JSON syntax error with an appropriate error message sent from SQL database. 400: Invalid URI sent from client

Table 4-6 (Cont.) UDM Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
GET	- To get currently supported schema: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/trace-data - To get all schema versions supported by a resource: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/trace-data?version=all - To get any specific schema version: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/trace-data?version=v1	NA	405: Operation not allowed
DELETE	To delete any other stored schema: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/trace-data/version/v1	Schema currently in use could not be deleted.	405: "Operation not allowed" (in case of deleting current schema)

Table 4-6 (Cont.) UDM Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
PUT (provisioned/sms-data)	http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sms-data	To add a new field "custom" for sms-data provisioned/sms-data: UDM Schema Management - PUT(provisioned/sms-data) This operation adds one new schema with version tag as "v1" and current points to "v1" now. To rollback to any other schema version, which already exist in database: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sms-data/version/v0	405: Operation not allowed 400: In case of JSON syntax error with an appropriate error message sent from SQL database. 400: Invalid URI sent from client
GET	- To get currently supported schema: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sms-data - To get all schema versions supported by a resource: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sms-data?version=all - To get any specific schema version: http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sms-data?version=v1	NA	405: Operation not allowed

Table 4-6 (Cont.) UDM Schema Management Operations

HTTP Method	Sample REST URL	Description	Possible Error Codes
DELETE	To delete any other stored schema: <code>http://localhost:8086/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sms-data/version/v1</code>	Schema currently in use could not be deleted.	405: "Operation not allowed" (in case of deleting current schema)

5

Configuration API Specifications

Configuration REST APIs are exposed directly on the nudr-config microservice of UDR, and it does not use Ingress Gateway for traffic (OAM traffic). These APIs are consumed by CNC Console GUI. For more information about APIs, see *Oracle Communications Cloud Native Core, Unified Data Repository User Guide*.

Note

All the configuration updates are polled every 5 second from the databases, it takes 5 to 10 seconds to refresh the configuration in the application.

5.1 Configuration APIs for UDR Microservices

This section describes the configuration APIs for UDR microservices.

Table 5-1 Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
GET	<code>http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.nudrservice.cfg/DR-SERVICE</code>	Result Code: 200 OK Payload <pre>{ "defaultSlfGroupName" : "DefaultGrp", "defaultGroupIdEnabled" : false, "subscriptionDataSubscriptionsOnly" : false, "allowSubscriptionRecreation" : true }</pre>	NA

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
GET	<code>http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.notifyservice.cfg/NOTIFY-SERVICE</code>	<pre>Result Code: 200 OK Payload { "resourceRemovalNotificationEnabled": true, "retryErrorCodes": "400,429,500,503", "notifRetryCount": 3, "NotifRetryInterval": 5 }</pre>	NA

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
GET	http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.global.cfg/GLOBAL	Result Code: 200 OK Payload <pre>{ "snssai": "2- FFFFFFFF", "dnn": "dnn1", "sbiCorrelationInfoEnabled": false, "autoCreate": true, "autoEnrolOnSignalling": true, "etagEnabled": true, "version": "v3", "consumerNF": "PCF,UDM,NEF", "vsaDefaultBillingDay": 1, "subscriberActivityEnabled": false, "addDefaultBillingDay": true, "enableControlledShutdown": false, "dbConflictResolutionEnabled": false, "maxNumberOfSubscriptions": 30, "suppressNotificationEnabled": true, "configClientConnectTimeout": 1000, "configClientReadTimeout": 1000, "s13InterfaceEnabled": false,</pre>	NA

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
		<pre> "defaultResponse": "EQUIPMENT_UNKNOWN", "accessLogEnabled": true, "accessLogExportEnabl ed": false, "sourceIdentification Ip": "", "sequenceIdentificati on": "0", "defaultResponseIMEIN otFound": "EQUIPMENT_UNKNOWN", "imsiLookupFallbackEn abled": false, "imeisvLookupFallback ": false, "subscriberIdentifiers ": { "msisdn": [], "imsi": [], "nai": [], "extid": [] } </pre>	

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
GET	http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.diamgateway.cfg/DIAMETER-GATEWAY	Result Code: 200 OK Payload <pre>{ "diameterRetryErrorCodes": [3002, 3004, 3005, 3006, 4003, 5012], "allowedClientNodes": [{ "port": 32514, "identity": "dsr.oracle.com", "name": "dsr", "host": "10.75.229.154", "realm": "oracle.com", "responseOnly": true, "transport": "TCP", "type": "server" }, { "port": 31288, "identity": "site2.oracle.com", "name": "site2", "host": "10.75.229.228", "realm": "oracle.com",</pre>	NA

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
		<pre> "responseOnly": true, "transport": "TCP", "type": "server" }], "watchdogInterval": 6, "reconnectDelay": 6, "connectionTimeout": 2, "responseTimeout": 2, "reconnectLimit": 2, "alternateRoutePeerNo des": ["dss.oracle.com", "site2.oracle.com"] } </pre>	

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
GET	http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.biservice.cfg/BULK_IMPORT	Result Code: 200 OK Payload <pre>[{ "importFile": "modify_slf5.csv", "timeQueued": "22-12-2020 10:36:06", "timeStarted": "22-12-2020 10:36:08", "timeCompleted": "22-12-2020 10:36:11", "progress": 100.0, "failedKeys": "[]", "passCount": 100, "failCount": 0, "totalCount": 100, "status": "Completed" }, { "importFile": "modify_slf4.csv", "timeQueued": "22-12-2020 10:37:38", "timeStarted": "22-12-2020 11:13:14", "timeCompleted": "", "progress": 10.1085,</pre>	NA

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
		<pre>"failedKeys": "[]", "passCount": 101066, "failCount": 0, "totalCount": 1000000, "status": "Started" }]</pre>	

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
GET	http://localhost:8081/nudr-config/v1/udr.diamgateway.congestion.cfg/DGW-CONGESTION	Result Code: 200 OK Payload <pre>{ "enabled": true, "defaultMessagePriority": 2, "sampleCount": 10, "calculationInterval": 100, "loadSheddingRulesMap": { "CONGESTED": { "state": "CONGESTED", "discardPriority": 10, "ansWithResultCode": "DIAMETER_TOO_BUSY", "resultCode": 3004, "vendorId": 10415 }, "DOC": { "state": "DOC", "discardPriority": 15, "ansWithResultCode": "DIAMETER_TOO_BUSY", "resultCode": 3004, "vendorId": 10415 } }, "priorityRules": [{</pre>	NA

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
		<pre> "ruleName": "SH- UDR_MIGRATION", "messagePriority": 2, "conditions": { "requestType": "UDR_MIGRATION", "application": "Sh", "message": "UDR_MIGRATION" } }, { "ruleName": "SH-UDR", "messagePriority": 5, "conditions": { "requestType": "UDR", "application": "Sh", "message": "UDR" } }, { "ruleName": "SH-PUR", "messagePriority": 3, "conditions": { "requestType": "PUR", "application": "Sh", "message": "PUR" } }, { "ruleName": "SH-SNR", </pre>	

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
		<pre> "messagePriority": 7, "conditions": { "requestType": "SNR", "application": "Sh", "message": "SNR" }, { "ruleName": "SH-PNR", "messagePriority": 3, "conditions": { "requestType": "PNR", "application": "Sh", "message": "PNR" }], "thresholds": { "CONGESTED": { "memory": 80, "cpu": 80, "queue": 50 }, "DOC": { "memory": 60, "cpu": 60, "queue": 30 } } </pre>	

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
GET	<code>http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.nudrprovservice.cfg/DR-PROV-SERVICE</code>	Result Code: 200 OK Payload <pre>{ "provLogsEnabled": true, "provLogsApiNames": ["nudr-dr-prov"] }</pre>	NA
GET	<code>http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.bulkimportservice.cfg/BULK_IMPORT_CFG</code>	Result Code: 200 OK Payload <pre>{ "pdbiFileExpiryTime": "8d", "remoteDirPath": "/home/cloud-user/ocudr/", "fileExt": ".pdbi", "deleteFileFromPVC": true, "transferOutPath": "/home/cloud-user/transferOut/" }</pre>	NA

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
GET	http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.exporttool.cfg/EXPORT_TOOL_CFG	Result Code: 200 OK Payload <pre> { "remotePath": "/home/cloud-user/ocudr/", "fixedDumpFileNameSuffix": "SLFTestSegment1", "fixedDumpFileNamePrefix": " ", "configuredString": "snapshot", "timestampFormat": "YYYYMMDDHHMMSS", "msisdnCount": 6, "pvcPath": "/home/udruser/export1", "fieldDelimiter": ",", "multiValueddelimiter": " ", "subscriberExportRange": { "keyType": "msisdn", "subscriberRanges": ["1111111130-1111111140", "1111111150-1111111160"] }, "subscriberRangeEnabled": false, "fileExtension": </pre>	NA

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
		<pre> .txt", "deleteFromPVC": true, "startTime": "14/09/2022 17:32:10", "imsiCount": 5, "newFilePerRangeEnabl ed": false, "frequencyOfPeriodicD ump": "DAILY", "maxNumberOfDumps": 5, "exportFileExpiryTime ":7d, "policyDataResources" :"sm-data, am-data, ue- policy-set" } </pre>	
GET	http://ocudr-nudr-config.myudr:5001/udr/nf-common-component/v1/operationalState	Result Code: 200 OK Payload <pre> { "operationalState": "NORMAL" } </pre>	• 404 Not Found: Operational State Not Found • 400 Bad Request

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
GET	<code>http://ocudr-nudr-config.myudr:5001/udr/nf-common-component/v1/operationalStateHistory</code> If offset is set to any value greater than 0 then it will return an empty array Value of the limit greater than 5 displays only 5 records with query params:<code>http://ocudr-nudr-config.myudr:5001/udr/nf-common-component/v1/operationalStateHistory?limit=3&offset=0</code>	Result Code: 200 OK Payload <pre>[{ "timeStamp": "2023-05-09T05:52:51.573025", "id": "9613dc1a-e6ce-4115-9e40-d1bee80ed8ca", "type": "operationalState", "value": "{\"state\":\"NORMAL\"}", "status": "SUCCESS" }, { "timeStamp": "2023-05-09T05:52:31.259321", "id": "0bf4eb21-d312-424b-93a5-03da6546069f", "type": "operationalState", "value": "{\"state\":\"NORMAL\"}", "status": "SUCCESS" }, { "timeStamp": "2023-05-09T05:49:28.531684", "id": "13c4824e-d8a4-4e98-94f7-0bf4debd4879", "type": "operationalState", "value": "{\"state\":\"COMPLETE_SHUTDOWN\"}", </pre>	404 Not Found: Operational State Not Found 400 Bad Request

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
		<pre>"status": "SUCCESS" }]</pre>	

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
GET	http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.exporttoolfilestatus.cfg/EXPORT_TOOL_FILE_STATUS	Result Code: 200 OK Payload <pre>{ "exportFileStatusList": [{ "jobId": "export-10-11-2022T15:32:00", "fileName": "2022-11-10-15-32-00-026810444_SLFTestSegment.txt", "startTime": "10/11/2022 15:32:00", "completeTime": "10/11/2022 15:32:14", "filePath": "/home/udruser/export/2022-11-10-15-32-00-026810444_SLFTestSegment.txt", "status": "FILE_EXPORT_COMPLETED" }, { "jobId": "export-09-11-2022T17:21:00", "fileName": "2022-11-09-17-21-00-018290194_SLFTestSegment.txt", "startTime": "09/11/2022 17:21:00",</pre>	400 Bad Request 404 Data field Doesn't exist

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
		<pre> "completeTime": "09/11/2022 17:21:10", "filePath": "/home/ udruser/export/ 2022-11-09-17-21-00-0 18290194_SLFTestSegme nt.txt", "status": "FILE_EXPORT_COMPLETE D" }, { "jobId": "export-10-11-2022T15 :35:00", "fileName": "2022-11-10-15-35-00- 019351328_SLFTestSegm ent.txt", "startTime": "10/11/2022 15:35:00", "completeTime": "10/11/2022 15:35:12", "filePath": "/home/ udruser/export/ 2022-11-10-15-35-00-0 19351328_SLFTestSegme nt.txt", "status": "FILE_EXPORT_COMPLETE D" }, { "jobId": "export-10-11-2022T05 :40:00", "fileName": </pre>	

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
		<pre> "2022-11-10-05-40-00-315885098_SLFTestSegment.txt", "startTime": "10/11/2022 05:40:00", "completeTime": "10/11/2022 05:40:43", "filePath": "/home/ udruser/export/ 2022-11-10-05-40-00-315885098_SLFTestSegment.txt", "status": "FILE_EXPORT_COMPLETED" }] } </pre>	

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
GET	http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.exporttoolstatus.cfg/EXPORT_TOOL_STATUS	Result Code: 200 OK Payload <pre>[{ "jobId": "export-2023-01-16T14:12:33", "subscriberCount": 1, "exportedSubscriberCount": 1, "jobProgress": 100.0, "exportState": "1/1", "status": "COMPLETED" }, { "jobId": "export-2023-01-16T14:13:53", "subscriberCount": 1, "exportedSubscriberCount": 1, "jobProgress": 100.0, "exportState": "1/1", "status": "COMPLETED" }, { "jobId": "export-2023-01-16T17:32:10", "subscriberCount": 1, "exportedSubscriberCount": 1, "jobProgress": 100.0, "exportState": "1/1",</pre>	• 400 Bad Request • 404 Data field Doesn't exist

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
		<pre>"status": "COMPLETED" }]</pre>	

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
GET	http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.exporttoolstatus.cfg/EXPORT_TOOL_STATUS/export-2023-01-16T14:12:33	Result Code: 200 OK Payload <pre>{ "exportedSubscriberCount": 1, "jobId": "export-2023-01-16T14:12:33", "jobProgress": 100, "subscriberCount": 1, "exportState": "1/1", "exportFileStatusList": [{ "jobId": "export-2023-01-16T14:12:33", "fileName": "2023-01-16-14-12-33-025218306_SLFTestSegment.txt", "filePath": "/home/udruser/export/2023-01-16-14-12-33-025218306_SLFTestSegment.txt", "completeTime": "16/01/2023 14:12:33", "startTime": "16/01/2023 14:12:33", "status": "FILE_EXPORT_COMPLETED" }], "status": "status":</pre>	• 400 Bad Request • 404 Data field Doesn't exist

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
		"COMPLETED" }	
PUT	http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.nudrservice.cfg/DR-SERVICE Payload <pre>{ "subscriptionDataSubscriptionsOnly": false, "defaultGroupIdEnabled": false, "defaultSlfGroupName": "DefaultGrp", "allowSubscriptionRecreation":true }</pre>	Result Code: 200 OK	• 400 Bad Request: Schema validation failed • Payload should have at least one valid parameter • Read Only field cannot be modified • JSONObject["unknown field name"] not found.

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
PUT	<code>http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.bulkimportservice.cfg/BULK_IMPORT_CFG</code> Payload <pre>{ "pdbiFileExpiryTime": "8d", "remoteDirPath": "/home/cloud-user/ ocudr/", "fileExt": ".pdbi", "deleteFileFromPVC": true, "transferOutPath": "/ home/cloud-user/ transferOut/" }</pre>	Result Code: 200 OK	• 400 Bad Request: Schema validation failed • Payload should have at least one valid parameter • Read-only field can not be modified • JSONObject["unknown field name"] not found.

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
PUT	http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.exporttool.cfg/EXPORT_TOOL_CFG Payload <pre>{ "remotePath": "/home/cloud-user/ocudr/", "fixedDumpFileNameSuffix": "SLFTestSegment", "fixedDumpFileNamePrefix": " ", "configuredString": "snapshot", "timeStampFormat": "YYYYMMDDHHMMSS", "msisdnCount": 5, "pvcPath": "/home/udruser/export", "fieldDelimiter": ",", "multiValueddelimiter": " ", "subscriberExportRange": { "keyType": "msisdn", "subscriberRanges": ["1111111130-1111111140", "1111111150-1111111160"] }, }</pre>	Result Code: 200 OK	400 Bad Request: Schema validation failed - Payload should have at least one valid parameter - Read-only field can not be modified - JSONObject["unknown field name"] not found.

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
	<pre> "subscriberRangeEnabled": false, "fileExtension": ".txt", "deleteFromPVC": true, "startTime": "14/09/2022 17:32:10", "imsiCount": 5, "newFilePerRangeEnabled": false, "frequencyOfPeriodicDump": "DAILY", "maxNumberOfDumps": 5, "exportFileExpiryTime": ":7d, "policyDataResources": "sm-data, am-data, ue-policy-set" } </pre>		

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
PUT	<code>http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.notifyservice.cfg/NOTIFY-SERVICE</code> Payload <pre>{ "resourceRemovalNotificationEnabled": true, "retryErrorCodes": "400,429,500,503", "notifRetryCount": 3, "NotifRetryInterval": 5 }</pre>	Result Code: 200 OK	• 400 Bad Request: Schema validation failed • Payload should have at least one valid parameter • Read-only field can not be modified • JSONObject["unknown field name"] not found.

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
PUT	<pre> http://ocudr-nudr-config.myudr:5001/ nudr-config/v1/ udr.diamgateway.cfg/ DIAMETER-GATEWAY payload { "diameterRetryErrorCodes": [3002, 3004, 3005, 3006, 4003, 5012], "allowedClientNodes": [{ "port": 32514, "identity": "dss.oracle.com", "name": "dss", "host": "10.75.229.154", "realm": "oracle.com", "responseOnly": true, "transport": "TCP", "type": "server" }, { "port": 31288, "identity": "site2.oracle.com", "name": "site2", "host": </pre>	Result Code: 200 OK	Result Code: 200 OK

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
	<pre> "10.75.229.228", "realm": "oracle.com", "responseOnly": true, "transport": "TCP", "type": "server" }], "watchdogInterval": 6, "reconnectDelay": 6, "connectionTimeOut": 2, "responseTimeout": 2, "reconnectLimit": 2, "alternateRoutePeerNodes": ["dss.oracle.com", "site2.oracle.com"] } </pre>		

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
PUT	<pre> http:// localhost:8081/nudr- config/v1/ udr.diamgateway.cong estion.cfg/DGW- CONGESTION payload { "enabled": true, "defaultMessagePriori ty": 2, "sampleCount": 10, "calculationInterval" : 100, "loadSheddingRulesMap ": { "CONGESTED": { "state": "CONGESTED", "discardPriority": 10, "ansWithResultCode": "DIAMETER_TOO_BUSY", "resultCode": 3004, "vendorId": 10415 }, "DOC": { "state": "DOC", "discardPriority": 15, "ansWithResultCode": "DIAMETER_TOO_BUSY", "resultCode": 3004, </pre>	Result Code: 200 OK	• 400 Bad Request: Schema validation failed • Payload should have at least one valid parameter • Read-only field can not be modified • JSONObject["unknown field name"] not found. • Data field update not allowed

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
	<pre> "vendorId": 10415 } }, "priorityRules": [{ "ruleName": "SH-UDR_MIGRATION", "messagePriority": 2, "conditions": { "requestType": "UDR_MIGRATION", "application": "Sh", "message": "UDR_MIGRATION" } }, { "ruleName": "SH-UDR", "messagePriority": 5, "conditions": { "requestType": "UDR", "application": "Sh", "message": "UDR" } }, { "ruleName": "SH-PUR", "messagePriority": 3, "conditions": { "requestType": "PUR", "application": "Sh", "message": "PUR" </pre>		

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
	<pre> } }, { "ruleName": "SH-SNR", "messagePriority": 7, "conditions": { "requestType": "SNR", "application": "Sh", "message": "SNR" } }, { "ruleName": "SH-PNR", "messagePriority": 3, "conditions": { "requestType": "PNR", "application": "Sh", "message": "PNR" } }], "thresholds": { "CONGESTED": { "memory": 80, "cpu": 80, "queue": 50 }, "DOC": { "memory": 60, "cpu": 60, "queue": 30 </pre>		

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
	<pre> } } }</pre>		

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
PUT	http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.global.cfg/GLOBAL payload <pre>{ "snssai": "2-FFFFF", "dnn": "dnn1", "sbiCorrelationInfoEnabled": false, "autoCreate": true, "autoEnrolOnSignalling": true, "etagEnabled": true, "version": "v3", "consumerNF": "PCF,UDM,NEF", "vsaDefaultBillingDay": 1, "subscriberActivityEnabled": false, "addDefaultBillingDay": true, "enableControlledShutdown": false, "dbConflictResolutionEnabled": false, "maxNumberOfSubscriptions": 30, "suppressNotificationEnabled": true, "configClientConnectTimeout": 1000, "configClientReadTime</pre>	200 OK Note: Do not change the default value of configClientConnectTimeout and configClientReadTimeout parameters unless required.	• 400 Bad Request: Schema validation failed • Payload should have at least one valid parameter • Read-only field can not be modified • JSONObject["unknown field name"] not found. • Data field update not allowed

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
	<pre> out": 1000, "s13InterfaceEnabled" : false, "defaultResponse": "EQUIPMENT_UNKNOWN", "accessLogEnabled": true, "accessLogExportEnabl ed": false, "sourceIdentification Ip": "", "sequenceIdentificati on": "0", "defaultResponseIMEIN otFound": "EQUIPMENT_UNKNOWN", "imsiLookupFallbackEn abled": false, "imeisvLookupFallback ": false, "subscriberIdentifiers ": { "msisdn": [], "imsi": [], "nai": [], "extid": [] } } </pre>		

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
PUT	http://ocudr-nudr-config.myudr:5001/ nudr-config/v1/ udr.nudrprovservice. cfg/DR-PROV-SERVICE Payload <pre>{ "provLogsEnabled": true, "provLogsApiNames": ["nudr-dr- prov"] }</pre>	Result Code: 200 OK	400 Bad Request: Schema validation failed - Payload should have at least one valid parameter - Read-only field can not be modified - JSONObject["unknown field name"] not found. - Data field update not allowed
PUT	http://ocudr-nudr-config.myudr:5001/ nudr-config/v1/ udr.bulkimportservice.cfg/ BULK_IMPORT_CFG Payload <pre>{ "pdbiFileExpiryTime": "8d", "remoteDirPath": "/home/cloud-user/ ocudr1/", "fileExt": ".pdbi", "deleteFileFromPVC": true, "transferOutPath": "/ home/cloud-user/ transferOut1/" }</pre>	Result Code: 200 OK	400 Bad Request: Schema validation failed - Payload should have at least one valid parameter - Read-only field can not be modified - JSONObject["unknown field name"] not found. - Data field update not allowed

Table 5-1 (Cont.) Configuration APIs for UDR microservices

HTTP Method	Sample REST Request URL	Sample Response	Possible Error Codes
PUT	http://ocudr-nudr-config.myudr:5001/udr/nf-common-component/v1/operationalState Payload <pre>{ "operationalState": "NORMAL"}</pre>	Result Code: 200 OK	400 Bad Request: Controlled shutdown feature disabled 500 Internal Server Error Occurred
DELETE	http://ocudr-nudr-config.myudr:5001/nudr-config/v1/udr.exporttoolstatus.cfg/EXPORT_TOOL_STATUS/export-2023-01-16T14:12:33	Result Code: 200 OK	400 Bad Request 404 Data field Doesn't exist

5.2 Configuration APIs for Common Services

This section describes the configuration APIs for common services.

Table 5-2 Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
PUT	<pre> http:// localhost:8081/udr/nf- common-component/v1/nrf- client-nfmanagement/ nfProfileList Request [{ "fqdn": "ocudr- ingressgateway.myudr.svc.cl uster.local", "load": 0, "nfType": "UDR", "udrInfo": { "groupId": "udr-1", "gpsiRanges": [{ "end": "200000000000", "start": "100000000000" }], "supiRanges": [{ "end": "200000000000", "start": "100000000000" }], "supportedDataSets": ["POLICY", "SUBSCRIPTION"], "externalGroupIdentifiersRa nges": [{ "end": "200000000000", "start": "100000000000" }] } }, </pre>	200 OK

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
	<pre> "capacity": 500, "locality": "bangalore", "nfStatus": "REGISTERED", "plmnList": [{ "mcc": "310", "mnc": "14" }], "priority": 10, "nfServices": [{ "fqdn": "ocudr- ingressgateway.myudr.svc.cl uster.local", "load": 0, "scheme": "http", "capacity": 500, "priority": 10, "versions": [{ "apiFullVersion": "2.1.0.alpha-3", "apiVersionInUri": "v1" }], "ipEndpoints": [{ "port": "80", "transport": "TCP", "ipv4Address": "10.0.0.0" }], "serviceName": "nudr-dr", </pre>	

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
	<pre> "allowedNfTypes": ["PCF", "UDM"], "nfServiceStatus": "REGISTERED", "serviceInstanceId": "ae870316-384d-458a- bd45-025c9e748976" }, { "fqdn": "ocudr- ingressgateway.myudr.svc.cl uster.local", "load": 0, "scheme": "http", "capacity": 500, "priority": 10, "versions": [{ "apiFullVersion": "2.1.0.alpha-3", "apiVersionInUri": "v1" }], "ipEndpoints": [{ "port": "80", "transport": "TCP", "ipv4Address": "10.0.0.0" }], "serviceName": "nudr-group- id-map", </pre>	

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
	<pre> "allowedNfTypes": ["NRF"], "nfServiceStatus": "REGISTERED", "serviceInstanceId": "547d42af-628a-4d5d- a8bd-38c4ba672682" }], "nfSetIdList": ["setxyz.udrset.5gc.mnc012.m cc345"], "nfInstanceId": "5a7bd676-ceeb-44bb-95e0- f6a55a328b13", "allowedNfTypes": ["PCF", "UDM", "NRF"], "heartBeatTimer": 90, "nfServicePersistence": false, "nfProfileChangesSupportInd ": false }] </pre>	

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
GET	http://localhost:8081/udr/nf-common-component/v1/nrf-client-nfmanagement/nfProfileList	<pre> 200 OK [{ "fqdn": "ocudr- ingressgateway.myudr.svc.cl uster.local", "load": 0, "nfType": "UDR", "udrInfo": { "groupId": "udr-1", "gpsiRanges": [{ "end": "200000000000", "start": "100000000000" }], "supiRanges": [{ "end": "200000000000", "start": "100000000000" }], "supportedDataSets": ["POLICY", "SUBSCRIPTION"], "externalGroupIdentifiersRa nges": [{ "end": "200000000000", "start": "100000000000" }], "capacity": 500, "locality": "bangalore", "nfStatus": "REGISTERED", </pre>

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
		<pre> "plmnList": [{ "mcc": "310", "mnc": "14" }], "priority": 10, "nfServices": [{ "fqdn": "ocudr- ingressgateway.myudr.svc.cl uster.local", "load": 0, "scheme": "http", "capacity": 500, "priority": 10, "versions": [{ "apiFullVersion": "2.1.0.alpha-3", "apiVersionInUri": "v1" }], "ipEndpoints": [{ "port": "80", "transport": "TCP", "ipv4Address": "10.0.0.0" }], "serviceName": "nudr-dr", "allowedNfTypes": ["PCF", "UDM"], </pre>

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
		<pre> "nfServiceStatus": "REGISTERED", "serviceInstanceId": "ae870316-384d-458a- bd45-025c9e748976" }, { "fqdn": "ocudr- ingressgateway.myudr.svc.cl uster.local", "load": 0, "scheme": "http", "capacity": 500, "priority": 10, "versions": [{ "apiFullVersion": "2.1.0.alpha-3", "apiVersionInUri": "v1" }], "ipEndpoints": [{ "port": "80", "transport": "TCP", "ipv4Address": "10.0.0.0" }], "serviceName": "nudr-group- id-map", "allowedNfTypes": ["NRF"], </pre>

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
		<pre> "nfServiceStatus": "REGISTERED", "serviceInstanceId": "547d42af-628a-4d5d- a8bd-38c4ba672682" }], "nfSetIdList": ["setxyz.udrset.5gc.mnc012.m cc345"], "nfInstanceId": "5a7bd676-ceeb-44bb-95e0- f6a55a328b13", "allowedNfTypes": ["PCF", "UDM", "NRF"], "heartBeatTimer": 90, "nfServicePersistence": false, "nfProfileChangesSupportInd ": false }] </pre>

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
GET	http://<nudr-config-host>:<nudr-config-port>/udr/nf-common-component/v1/app-info/nfScoring	<pre> 200 OK { "enableNFScoring": true, "tps": { "enable": true, "maxScore": 20, "maxTps": 14000 }, "serviceHealth": { "enable": true, "maxScore": 30 }, "signallingConnections": { "enable": true, "maxScore": 20, "maxConnections": 100 }, "replicationHealth": { "enable": true, "maxScore": 30 }, "localitySitePreference": { "enable": true, "score": 5 }, "activeAlert": { "enable": true, "criticalAlertWeightage": 2, "majorAlertWeightage": 1, "minorAlertWeightage": 0 }, "customCriteria": [{ "name": "BulkImport", "enable": true, "metricName": "nudr_bulk_import_records_p rocessed_total", "scoringType": "ratio", "maxScore": 20, </pre>

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
		<pre> "maxValue": 10000, "weightage": 5 }, { "name": "BulkExport", "enable": true, "metricName": "export_tool_status_total", "scoringType": "ratio", "maxScore": 20, "maxValue": 100, "weightage": 5 }] }</pre>

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
PUT	<pre> http://<nudr-config-host>:<nudr-config-port>/udr/nf-common-component/v1/app-info/nfScoring { "enableNFScoring": true, "tps": { "enable": true, "maxScore": 20, "maxTps": 14000 }, "serviceHealth": { "enable": true, "maxScore": 30 }, "signallingConnections": { "enable": true, "maxScore": 20, "maxConnections": 100 }, "replicationHealth": { "enable": true, "maxScore": 30 }, "localitySitePreference": { "enable": true, "score": 5 }, "activeAlert": { "enable": true, "criticalAlertWeightage": 2, "majorAlertWeightage": 1, "minorAlertWeightage": 0 }, "customCriteria": [{ "name": "BulkImport", "enable": true, "metricName": "nudr_bulk_import_records_p </pre>	200 OK

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
	<pre>rocessed_total", "scoringType": "ratio", "maxScore": 20, "maxValue": 10000, "weightage": 5 }, { "name": "BulkExport", "enable": true, "metricName": "export_tool_status_total", "scoringType": "ratio", "maxScore": 20, "maxValue": 100, "weightage": 5 } }] }</pre>	

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
GET	http://<nudr-config-host>:<nudr-config-port>/udr/nf-common-component/v1/nfscore	<pre> 200 OK { "NFScore": 96.65151515151516, "detailedReport": { "failedFactors": [{ "criteria": "activeAlert", "detail": "failed to calculate activeAlert score" }], "scoringFactors": [{ "additionalInfo": { "actualValue": 29.95, "configuredValue": 33, "igw_prov": 19.95, "igw_sig": 10.0 }, "calculatedScore": 18.151515151515152, "criteria": "tps", "maxScore": 20 }, { "additionalInfo": { "totalSvcs": 21, "upSvcs": 21 }, "calculatedScore": 30.0, "criteria": "serviceHealth", "maxScore": 30 }, { "additionalInfo": { "actualValue": 17.0, "configuredValue": 40, "igw_prov": 12, "igw_sig": 4 </pre>

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
		<pre> }, "calculatedScore": 8.5, "criteria": "signallingConnections", "maxScore": 20 }, { "additionalInfo": { "availableLinks": 0.0, "totalSites": 0.0 }, "calculatedScore": 0.0, "criteria": "replicationHealth", "maxScore": 30 }, { "calculatedScore": 5.0, "criteria": "localityPreference" }, { "calculatedScore": 20, "criteria": "BulkImport", "maxScore": 20 }, { "calculatedScore": 15, "criteria": "BulkExport", "weightage": 5 }] } </pre>

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
GET	http://<nudr-config-host>:<nudr-config-port>/udr/nf-common-component/v1/igw-sig/podProtectionByRateLimiting	<pre> 200 OK { "routes": [{ "id": 1, "path": "/nudr-group-id-map/**", "methods": ["GET"], "percentage": 100 }], "enabled": false, "fillRate": 2900, "defaultPriority": 24, "errorCodeProfile": "error429", "priorityHeaderName": "3gpp-Sbi-Message-Priority", "deniedRequestActions": [{ "id": 1, "action": "CONTINUE", "congestionLevel": 0 }, { "id": 2, "action": "CONTINUE", "congestionLevel": 1 }, { "id": 3, "action": "REJECT", "congestionLevel": 2, "errorCodeProfile": "error429" }] } </pre>

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
		<pre> "id": 4, "action": "REJECT", "congestionLevel": 3, "errorCodeProfile": "error503" }] }</pre>

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
PUT	<pre> http://<nudr-config- host>:<nudr-config- port>/udr/nf-common- component/v1/igw-sig/ podProtectionByRateLimiti ng { "routes": [{ "id": 1, "path": "/nudr- group-id-map/**", "methods": ["GET"], "percentage": 100 }], "enabled": false, "fillRate": 2900, "defaultPriority": 24, "errorCodeProfile": "error429", "priorityHeaderName": "3gpp-Sbi-Message- Priority", "deniedRequestActions": [{ "id": 1, "action": "CONTINUE", "congestionLevel": 0 }, { "id": 2, "action": "CONTINUE", "congestionLevel": 1 }, { "id": 3, "action": "REJECT", "congestionLevel": 2, </pre>	200 OK

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
	<pre>"errorCodeProfile": "error429" }, { "id": 4, "action": "REJECT", "congestionLevel": 3, "errorCodeProfile": "error503" }] }</pre>	

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
GET	http://<nudr-config-host>:<nudr-config-port>/udr/nf-common-component/v1/igw-sig/congestionConfig	<pre> 200 OK { "levels": [{ "name": "Normal", "value": 1, "resources": [{ "name": "CPU", "onset": 70, "abatement": 65 }], }, { "name": "Danger Of Congestion", "value": 2, "resources": [{ "name": "CPU", "onset": 80, "abatement": 75 }], }, { "name": "Congestion", "value": 3, "resources": [{ "name": "CPU", "onset": 90, "abatement": 85 }], }], }</pre>

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
		<pre>"refreshInterval": 500 }</pre>

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
PUT	<pre> http://<nudr-config-host>:<nudr-config-port>/udr/nf-common-component/v1/igw-sig/congestionConfig { "levels": [{ "name": "Normal", "value": 1, "resources": [{ "name": "CPU", "onset": 70, "abatement": 65 }], }, { "name": "Danger Of Congestion", "value": 2, "resources": [{ "name": "CPU", "onset": 80, "abatement": 75 }], }, { "name": "Congestion", "value": 3, "resources": [{ "name": "CPU", "onset": 90, "abatement": 85 </pre>	200 OK

Table 5-2 (Cont.) Common Services Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
	<pre> }] }], "refreshInterval": 500 }</pre>	

5.2.1 Ingress Gateway Signaling APIs

This section describes the configuration APIs for Ingress Gateway Signaling.

Table 5-3 Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
PUT	http://<nudr-config svc IP>:\<port>/udr/nf-common- component/v1/igw-sig/ configurableerrorcodes Request body: <pre> { "enabled": true, "errorScenarios": [{ "exceptionType": "XFCC_HEADER_VALIDATION_FAILU RE", "errorProfileName": "XFCC_HEADER_VALIDATION_FAILU RE" }, { "exceptionType": "XFCC_HEADER_NOT_PRESENT_OR_E MPTY", "errorProfileName": "XFCC_HEADER_NOT_PRESENT_OR_E MPTY" }, { "exceptionType": "XFCC_MATCHCERTCOUNT_GREATER_ THAN_CERTS_IN_HEADER", "errorProfileName": "XFCC_MATCHCERTCOUNT_GREATER_ THAN_CERTS_IN_HEADER" }, { "exceptionType": "XFCC_HEADER_INVALID", "errorProfileName": "XFCC_HEADER_INVALID" }, { "exceptionType": "OAUTH_CERT_EXPIRED", "errorProfileName": "OAUTH_CERT_EXPIRED" }], </pre>	200 OK Response body: <pre> { "enabled": true, "errorScenarios": [{ "exceptionType": "XFCC_HEADER_VALIDATI ON_FAILURE", "errorProfileName": "XFCC_HEADER_VALIDATI ON_FAILURE" }, { "exceptionType": "XFCC_HEADER_NOT PRES ENT_OR_EMPTY", "errorProfileName": "XFCC_HEADER_NOT PRES ENT_OR_EMPTY" }, { "exceptionType": "XFCC_MATCHCERTCOUNT_ GREATER_THAN_CERTS_IN_ _HEADER", "errorProfileName": "XFCC_MATCHCERTCOUNT_ GREATER_THAN_CERTS_IN_ _HEADER" }, { "exceptionType": "XFCC_HEADER_INVALID", "errorProfileName": "XFCC_HEADER_INVALID" }, { "exceptionType": "OAUTH_CERT_EXPIRED", "errorProfileName": "OAUTH_CERT_EXPIRED" }], </pre>	Possible error codes 400Bad Request : Duplicate keys in array

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> { "exceptionType": "OAUTH_MISMATCH_IN_KID", "errorProfileName": "OAUTH_MISMATCH_IN_KID" }, { "exceptionType": "OAUTH_PRODUCER_SCOPE_NOT_PRE SENT", "errorProfileName": "OAUTH_PRODUCER_SCOPE_NOT_PRE SENT" }, { "exceptionType": "OAUTH_PRODUCER_SCOPE_MISMATC H", "errorProfileName": "OAUTH_PRODUCER_SCOPE_MISMATC H" }, { "exceptionType": "OAUTH_MISMATCH_IN_NRF_INSTAN CEID", "errorProfileName": "OAUTH_MISMATCH_IN_NRF_INSTAN CEID" }, { "exceptionType": "OAUTH_PRODUCER_PLMNID_MISMAT CH", "errorProfileName": "OAUTH_PRODUCER_PLMNID_MISMAT CH" }, { "exceptionType": "OAUTH_AUDIENCE_NOT_PRESENT_O R_INVALID", "errorProfileName": </pre>	<pre> "exceptionType": "OAUTH_CERT_EXPIRED", "errorProfileName": "OAUTH_CERT_EXPIRED" }, { "exceptionType": "OAUTH_MISMATCH_IN_KI D", "errorProfileName": "OAUTH_MISMATCH_IN_KI D" }, { "exceptionType": "OAUTH_PRODUCER_SCOPE _NOT_PRESENT", "errorProfileName": "OAUTH_PRODUCER_SCOPE _NOT_PRESENT" }, { "exceptionType": "OAUTH_PRODUCER_SCOPE _MISMATCH", "errorProfileName": "OAUTH_PRODUCER_SCOPE _MISMATCH" }, { "exceptionType": "OAUTH_MISMATCH_IN_NRF _INSTANCEID", "errorProfileName": "OAUTH_MISMATCH_IN_NRF _INSTANCEID" }, { "exceptionType": </pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> "OAUTH_AUDIENCE_NOT_PRESENT_OR_INVALID" }, { "exceptionType": "OAUTH_TOKEN_INVALID", "errorProfileName": "OAUTH_TOKEN_INVALID" }, { "exceptionType": "OAUTH_TOKEN_ABSENCE", "errorProfileName": "OAUTH_TOKEN_ABSENCE" }, { "exceptionType": "OAUTH_TOKEN_VALIDATION_FAILURE", "errorProfileName": "OAUTH_TOKEN_VALIDATION_FAILURE" }] } </pre>	<pre> "OAUTH_PRODUCER_PLMNID_MISMATCH", "errorProfileName": "OAUTH_PRODUCER_PLMNID_MISMATCH" }, { "exceptionType": "OAUTH_AUDIENCE_NOT_PRESENT_OR_INVALID", "errorProfileName": "OAUTH_AUDIENCE_NOT_PRESENT_OR_INVALID" }, { "exceptionType": "OAUTH_TOKEN_INVALID", "errorProfileName": "OAUTH_TOKEN_INVALID" }, { "exceptionType": "OAUTH_TOKEN_ABSENCE", "errorProfileName": "OAUTH_TOKEN_ABSENCE" }, { "exceptionType": "OAUTH_TOKEN_VALIDATION_FAILURE", "errorProfileName": "OAUTH_TOKEN_VALIDATION_FAILURE" }] } </pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
PATCH	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/configurableerrorcodes Request body: <pre> { "enabled": true, "errorScenarios": [{ "exceptionType": "XFCC_HEADER_VALIDATION_FAILU RE", "errorProfileName": "XFCC_HEADER_VALIDATION_FAILU RE" }, { "exceptionType": "XFCC_HEADER_NOT_PRESENT_OR_E MPTY", "errorProfileName": "XFCC_HEADER_NOT_PRESENT_OR_E MPTY" }, { "exceptionType": "XFCC_MATCHCERTCOUNT_GREATER_ THAN_CERTS_IN_HEADER", "errorProfileName": "XFCC_MATCHCERTCOUNT_GREATER_ THAN_CERTS_IN_HEADER" }, { "exceptionType": "XFCC_HEADER_INVALID", "errorProfileName": "XFCC_HEADER_INVALID" }, { "exceptionType": "OAUTH_CERT_EXPIRED", "errorProfileName": "OAUTH_CERT_EXPIRED" }] } </pre>	200 OK	Possible error codes 400Bad Request : Duplicate keys in array

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> { "exceptionType": "OAUTH_MISMATCH_IN_KID", "errorProfileName": "OAUTH_MISMATCH_IN_KID" }, { "exceptionType": "OAUTH_PRODUCER_SCOPE_NOT_PRE SENT", "errorProfileName": "OAUTH_PRODUCER_SCOPE_NOT_PRE SENT" }, { "exceptionType": "OAUTH_PRODUCER_SCOPE_MISMATC H", "errorProfileName": "OAUTH_PRODUCER_SCOPE_MISMATC H" }, { "exceptionType": "OAUTH_MISMATCH_IN_NRF_INSTAN CEID", "errorProfileName": "OAUTH_MISMATCH_IN_NRF_INSTAN CEID" }, { "exceptionType": "OAUTH_PRODUCER_PLMNID_MISMAT CH", "errorProfileName": "OAUTH_PRODUCER_PLMNID_MISMAT CH" }, { "exceptionType": "OAUTH_AUDIENCE_NOT_PRESENT_O R_INVALID", "errorProfileName": </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> "OAUTH_AUDIENCE_NOT_PRESENT_OR_INVALID" }, { "exceptionType": "OAUTH_TOKEN_INVALID", "errorProfileName": "OAUTH_TOKEN_INVALID" }, { "exceptionType": "OAUTH_TOKEN_ABSENCE", "errorProfileName": "OAUTH_TOKEN_ABSENCE" }, { "exceptionType": "OAUTH_TOKEN_VALIDATION_FAILURE", "errorProfileName": "OAUTH_TOKEN_VALIDATION_FAILURE" }] } </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
GET	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/configurableerrorcodes	200 OK Response body: <pre> { "enabled": true, "errorScenarios": [{ "exceptionType": "XFCC_HEADER_VALIDATI ON_FAILURE", "errorProfileName": "XFCC_HEADER_VALIDATI ON_FAILURE" }, { "exceptionType": "XFCC_HEADER_NOT_PRES ENT_OR_EMPTY", "errorProfileName": "XFCC_HEADER_NOT_PRES ENT_OR_EMPTY" }, { "exceptionType": "XFCC_MATCHCERTCOUNT_ GREATER_THAN_CERTS_IN _HEADER", "errorProfileName": "XFCC_MATCHCERTCOUNT_ GREATER_THAN_CERTS_IN _HEADER" }, { "exceptionType": "XFCC_HEADER_INVALID" }, { "errorProfileName": "XFCC_HEADER_INVALID" }] } </pre>	NA

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre> "exceptionType": "OAUTH_CERT_EXPIRED", "errorProfileName": "OAUTH_CERT_EXPIRED" }, { "exceptionType": "OAUTH_MISMATCH_IN_KI D", "errorProfileName": "OAUTH_MISMATCH_IN_KI D" }, { "exceptionType": "OAUTH_PRODUCER_SCOPE _NOT_PRESENT", "errorProfileName": "OAUTH_PRODUCER_SCOPE _NOT_PRESENT" }, { "exceptionType": "OAUTH_PRODUCER_SCOPE _MISMATCH", "errorProfileName": "OAUTH_PRODUCER_SCOPE _MISMATCH" }, { "exceptionType": "OAUTH_MISMATCH_IN_NR F_INSTANCEID", "errorProfileName": "OAUTH_MISMATCH_IN_NR F_INSTANCEID" }, { "exceptionType": </pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre> "OAUTH_PRODUCER_PLMNI D_MISMATCH", "errorProfileName": "OAUTH_PRODUCER_PLMNI D_MISMATCH" }, { "exceptionType": "OAUTH_AUDIENCE_NOT_P RESENT_OR_INVALID", "errorProfileName": "OAUTH_AUDIENCE_NOT_P RESENT_OR_INVALID" }, { "exceptionType": "OAUTH_TOKEN_INVALID" , "errorProfileName": "OAUTH_TOKEN_INVALID" }, { "exceptionType": "OAUTH_TOKEN_ABSENCE" , "errorProfileName": "OAUTH_TOKEN_ABSENCE" }, { "exceptionType": "OAUTH_TOKEN_VALIDATI ON_FAILURE", "errorProfileName": "OAUTH_TOKEN_VALIDATI ON_FAILURE" }] } </pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
PUT	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/ocpolicymapping Request body: <pre>{ "enabled": false, "mappings": [{ "svcName": "ocudr-nudr-drservice", "policyName": "OCDP1" }], "samplingPeriod": 6000 }</pre>	200 OK Response body: <pre>{ "enabled": false, "mappings": [{ "svcName": "ocudr- nudr-drservice", "policyName": "OCDP1" }], "samplingPeriod": 6000 }</pre>	Possible error codes 400Bad Request : Could not Validate Json
PATCH	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/ocpolicymapping Request body: <pre>{ "enabled": false, "mappings": [{ "svcName": "ocudr-nudr-drservice", "policyName": "OCDP1" }], "samplingPeriod": 6000 }</pre>	200 OK	Possible error codes 400 Bad Request:

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
GET	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/ocpolicymapping	200 OK Response body: <pre>{ "enabled": false, "mappings": [{ "svcName": "ocudr- nudr-drservice", "policyName": "OCDP1" }], "samplingPeriod": 6000 }</pre>	NA

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
PUT	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/errorcodeprofiles Request body: <pre>[{ "name": "XFCC_HEADER_VALIDATION_FAILURE", "errorCode": 500, "errorCause": "XFCC Validation Failed", "errorTitle": "Internal Server Error", "redirectURL": "", "retry-after": "", "errorDescription": "Validation of SCP failed" }, { "name": "XFCC_HEADER_NOT_PRESENT_OR_EMPTY", "errorCode": 500, "errorCause": "xfcc header is not present or empty in the request", "errorTitle": "Internal Server Error", "redirectURL": "", "retry-after": "", "errorDescription": "Validation of SCP failed" }, { "name": "XFCC_MATCHCERTCOUNT_GREATER_THAN_CERTS_IN_HEADER", "errorCode": 500, "errorCause": "matchCerts count is greater than the certs in the request", "errorTitle": "Internal Server Error", "redirectURL": "", "retry-after": "", "errorDescription":</pre>	200 OK	Possible error codes 400 Bad Request: Could not Validate Json

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> "Validation of SCP failed" }, { "name": "XFCC_HEADER_INVALID", "errorCode": 500, "errorCause": "xfcc header is invalid", "errorTitle": "Internal Server Error", "redirectURL": "", "retry-after": "", "errorDescription": "Validation of SCP failed" }, { "name": "OAUTH_CERT_EXPIRED", "errorCode": 408, "errorCause": "certificate has expired", "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": "" }, { "name": "OAUTH_MISMATCH_IN_KID", "errorCode": 407, "errorCause": "kid configured does not match with the one present in the token", "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": "" }, { "name": "OAUTH_PRODUCER_SCOPE_NOT_PRE SENT", "errorCode": 406, "errorCause": "producer scope is not present in token", </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": "" }, { "name": "OAUTH_PRODUCER_SCOPE_MISMATCH", "errorCode": 405, "errorCause": "produce scope in token does not match with the configuration", "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": "" }, { "name": "OAUTH_MISMATCH_IN_NRF_INSTANCEID", "errorCode": 404, "errorCause": "nrf id configured does not match with the one present in the token", "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": "" }, { "name": "OAUTH_PRODUCER_PLMNID_MISMATCH", "errorCode": 403, "errorCause": "producer plmn id in token does not match with the configuration", "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> """ }, { "name": "OAUTH_AUDIENCE_NOT_PRESENT_O R_INVALID", "errorCode": 402, "errorCause": "audience in token does not match with the configuration", "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": """ }, { "name": "OAUTH_TOKEN_INVALID", "errorCode": 401, "errorCause": "oauth token is corrupted", "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": """ }, { "name": "OAUTH_TOKEN_VALIDATION_FAILU RE", "errorCode": 401, "errorCause": "oAuth access Token validation failed", "errorTitle": "Validation failure", "redirectURL": "", "retry-after": "", "errorDescription": "UNAUTHORIZED" }, { "name": "OAUTH_TOKEN_ABSENCE", "errorCode": 400, "errorCause": "oAuth </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> access Token is not present", "errorTitle": "Token not present", "redirectURL": "", "retry-after": "", "errorDescription": "UNAUTHORIZED" }, { "name": "ERR_NOT_FOUND", "errorCode": 404, "errorCause": "Cause Not Found", "errorTitle": "errorTitle Not Found", "errorDescription": "errorDescription Not Found" }, { "name": "ERR_RATE_LIMIT", "errorCode": 503, "errorCause": "TOO_MANY_REQUESTS at IGW", "errorTitle": "Too many requests sent. Service is overloaded at IGW", "errorDescription": "TOO_MANY_REQUESTS" }, { "name": "ERR_UNKNOWN_HOST", "errorCode": 400, "errorCause": "Unknown Host Exception at IGW", "errorTitle": "Unknown Host Exception", "errorDescription": "Unknown Host Exception" }, { "name": "ERR_CCA_HEADER_VALIDATION", "errorCode": 403, "errorCause": "CCA_VERIFICATION_FAILURE", </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> "errorTitle": "CCA_HEADER_INVALID", "errorDescription": "" }, { "name": "ERR_POP_503", "errorCode": 503, "errorCause": "POD_PROTECTION_BY_RATE_LIMIT ING", "errorTitle": "Ingress Gateway is overloaded", "errorDescription": "Pod Protection by Rate Limiting rejected request" }, { "name": "error429", "errorCode": 429, "errorCause": "TOO_MANY_REQUESTS", "errorTitle": "Too many requests sent. Pod Protection by Rate Limiting rejected request at IGW", "errorDescription": "TOO_MANY_REQUESTS" }, { "name": "error503", "errorCode": 503, "errorCause": "POD_PROTECTION_BY_RATE_LIMIT ING", "errorTitle": "Ingress Gateway is overloaded", "errorDescription": "Pod Protection by Rate Limiting rejected request" }] </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
PATCH	<pre> http://<nudr-config svc IP>:\<port>/udr/nf-common- component/v1/igw-sig/ errorcodeprofiles Request body: [{ "name": "XFCC_HEADER_VALIDATION_FAILU RE", "errorCode": 500, "errorCause": "XFCC Validation Failed", "errorTitle": "Internal Server Error", "redirectURL": "", "retry-after": "", "errorDescription": "Validation of SCP failed" }, { "name": "XFCC_HEADER_NOT_PRESENT_OR_E MPTY", "errorCode": 500, "errorCause": "xfcc header is not present or empty in the request", "errorTitle": "Internal Server Error", "redirectURL": "", "retry-after": "", "errorDescription": "Validation of SCP failed" }, { "name": "XFCC_MATCHCERTCOUNT_GREATER_ THAN_CERTS_IN_HEADER", "errorCode": 500, "errorCause": "matchCerts count is greater than the certs in the request", "errorTitle": "Internal Server Error", "redirectURL": "", "retry-after": "", "errorDescription": </pre>	200 OK	Possible error codes 400 Bad Request: Could not Validate Json

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> "Validation of SCP failed" }, { "name": "XFCC_HEADER_INVALID", "errorCode": 500, "errorCause": "xfcc header is invalid", "errorTitle": "Internal Server Error", "redirectURL": "", "retry-after": "", "errorDescription": "Validation of SCP failed" }, { "name": "OAUTH_CERT_EXPIRED", "errorCode": 408, "errorCause": "certificate has expired", "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": "" }, { "name": "OAUTH_MISMATCH_IN_KID", "errorCode": 407, "errorCause": "kid configured does not match with the one present in the token", "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": "" }, { "name": "OAUTH_PRODUCER_SCOPE_NOT_PRE SENT", "errorCode": 406, "errorCause": "producer scope is not present in token", </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": "" }, { "name": "OAUTH_PRODUCER_SCOPE_MISMATCH", "errorCode": 405, "errorCause": "produce scope in token does not match with the configuration", "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": "" }, { "name": "OAUTH_MISMATCH_IN_NRF_INSTANCEID", "errorCode": 404, "errorCause": "nrf id configured does not match with the one present in the token", "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": "" }, { "name": "OAUTH_PRODUCER_PLMNID_MISMATCH", "errorCode": 403, "errorCause": "producer plmn id in token does not match with the configuration", "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> """ }, { "name": "OAUTH_AUDIENCE_NOT_PRESENT_O R_INVALID", "errorCode": 402, "errorCause": "audience in token does not match with the configuration", "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": """ }, { "name": "OAUTH_TOKEN_INVALID", "errorCode": 401, "errorCause": "oauth token is corrupted", "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": """ }, { "name": "OAUTH_TOKEN_VALIDATION_FAILU RE", "errorCode": 401, "errorCause": "oAuth access Token validation failed", "errorTitle": "Validation failure", "redirectURL": "", "retry-after": "", "errorDescription": "UNAUTHORIZED" }, { "name": "OAUTH_TOKEN_ABSENCE", "errorCode": 400, "errorCause": "oAuth </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> access Token is not present", "errorTitle": "Token not present", "redirectURL": "", "retry-after": "", "errorDescription": "UNAUTHORIZED" }, { "name": "ERR_NOT_FOUND", "errorCode": 404, "errorCause": "Cause Not Found", "errorTitle": "errorTitle Not Found", "errorDescription": "errorDescription Not Found" }, { "name": "ERR_RATE_LIMIT", "errorCode": 503, "errorCause": "TOO_MANY_REQUESTS at IGW", "errorTitle": "Too many requests sent. Service is overloaded at IGW", "errorDescription": "TOO_MANY_REQUESTS" }, { "name": "ERR_UNKNOWN_HOST", "errorCode": 400, "errorCause": "Unknown Host Exception at IGW", "errorTitle": "Unknown Host Exception", "errorDescription": "Unknown Host Exception" }, { "name": "ERR_CCA_HEADER_VALIDATION", "errorCode": 403, "errorCause": "CCA_VERIFICATION_FAILURE", </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> "errorTitle": "CCA_HEADER_INVALID", "errorDescription": "" }, { "name": "ERR_POP_503", "errorCode": 503, "errorCause": "POD_PROTECTION_BY_RATE_LIMIT ING", "errorTitle": "Ingress Gateway is overloaded", "errorDescription": "Pod Protection by Rate Limiting rejected request" }, { "name": "error429", "errorCode": 429, "errorCause": "TOO_MANY_REQUESTS", "errorTitle": "Too many requests sent. Pod Protection by Rate Limiting rejected request at IGW", "errorDescription": "TOO_MANY_REQUESTS" }, { "name": "error503", "errorCode": 503, "errorCause": "POD_PROTECTION_BY_RATE_LIMIT ING", "errorTitle": "Ingress Gateway is overloaded", "errorDescription": "Pod Protection by Rate Limiting rejected request" }] </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
GET	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/errorcodeprofiles	200 OK Response body: <pre>[{ "name": "XFCC_HEADER_VALIDATI ON_FAILURE", "errorCode": 500, "errorCause": "XFCC Validation Failed", "errorTitle": "Internal Server Error", "redirectURL": "", "retry- after": "", "errorDescription": "Validation of SCP failed" }, { "name": "XFCC_HEADER_NOT_PRES ENT_OR_EMPTY", "errorCode": 500, "errorCause": "xfcc header is not present or empty in the request", "errorTitle": "Internal Server Error", "redirectURL": "", "retry- after": "", "errorDescription": "Validation of SCP failed" }, { "name": "XFCC_HEADER_VALIDATI ON_FAILURE", "errorCode": 500, "errorCause": "XFCC Validation Failed", "errorTitle": "Internal Server Error", "redirectURL": "", "retry- after": "", "errorDescription": "Validation of SCP failed" }]</pre>	NA

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre> { "name": "XFCC_MATCHCERTCOUNT_ GREATER_THAN_CERTS_IN _HEADER", "errorCode": 500, "errorCause": "matchCerts count is greater than the certs in the request", "errorTitle": "Internal Server Error", "redirectURL": "", "retry- after": "", "errorDescription": "Validation of SCP failed" }, { "name": "XFCC_HEADER_INVALID" , "errorCode": 500, "errorCause": "xfcc header is invalid", "errorTitle": "Internal Server Error", "redirectURL": "", "retry- after": "", "errorDescription": "Validation of SCP failed" }, { </pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre> "name": "OAUTH_CERT_EXPIRED", "errorCode": 408, "errorCause": "certificate has expired", "errorTitle": "", "redirectURL": "", "retry- after": "", "errorDescription": "" }, { "name": "OAUTH_MISMATCH_IN_KI D", "errorCode": 407, "errorCause": "kid configured does not match with the one present in the token", "errorTitle": "", "redirectURL": "", "retry- after": "", "errorDescription": "" }, { "name": "OAUTH_PRODUCER_SCOPE _NOT_PRESENT", "errorCode": 406, "errorCause": "producer scope is </pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre> not present in token", "errorTitle": "", "redirectURL": "", "retry- after": "", "errorDescription": "" }, { "name": "OAUTH_PRODUCER_SCOPE _MISMATCH", "errorCode": 405, "errorCause": "produce scope in token does not match with the configuration", "errorTitle": "", "redirectURL": "", "retry- after": "", "errorDescription": "" }, { "name": "OAUTH_MISMATCH_IN_NR F_INSTANCEID", "errorCode": 404, "errorCause": "nrf id configured does not match with the one present in the token", "errorTitle": "", </pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre> "redirectURL": "", "retry- after": "", "errorDescription": "" }, { "name": "OAUTH_PRODUCER_PLMNI D_MISMATCH", "errorCode": 403, "errorCause": "producer plmn id in token does not match with the configuration", "errorTitle": "", "redirectURL": "", "retry- after": "", "errorDescription": "" }, { "name": "OAUTH_AUDIENCE_NOT_P RESENT_OR_INVALID", "errorCode": 402, "errorCause": "audience in token does not match with the configuration", "errorTitle": "", "redirectURL": "", "retry- after": "", "errorDescription": "" </pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre> }, { "name": "OAUTH_TOKEN_INVALID" , "errorCode": 401, "errorCause": "oauth token is corrupted", "errorTitle": "", "redirectURL": "", "retry- after": "", "errorDescription": "" }, { "name": "OAUTH_TOKEN_VALIDATI ON_FAILURE", "errorCode": 401, "errorCause": "oAuth access Token validation failed", "errorTitle": "Validation failure", "redirectURL": "", "retry- after": "", "errorDescription": "UNAUTHORIZED" }, { "name": "OAUTH_TOKEN_ABSENCE" , "errorCode": 400, "errorCause": "oAuth </pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre> access Token is not present", "errorTitle": "Token not present", "redirectURL": "", "retry- after": "", "errorDescription": "UNAUTHORIZED" }, { "name": "ERR_NOT_FOUND", "errorCode": 404, "errorCause": "Cause Not Found", "errorTitle": "errorTitle Not Found", "errorDescription": "errorDescription Not Found" }, { "name": "ERR_RATE_LIMIT", "errorCode": 503, "errorCause": "TOO_MANY_REQUESTS at IGW", "errorTitle": "Too many requests sent. Service is overloaded at IGW", "errorDescription": "TOO_MANY_REQUESTS" }, { </pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre> "name": "ERR_UNKNOWN_HOST", "errorCode": 400, "errorCause": "Unknown Host Exception at IGW", "errorTitle": "Unknown Host Exception", "errorDescription": "Unknown Host Exception" }, { "name": "ERR_CCA_HEADER_VALID ATION", "errorCode": 403, "errorCause": "CCA_VERIFICATION_FAI LURE", "errorTitle": "CCA_HEADER_INVALID", "errorDescription": "" }, { "name": "ERR_POP_503", "errorCode": 503, "errorCause": "POD_PROTECTION_BY_RA TE_LIMITING", "errorTitle": "Ingress Gateway is overloaded", "errorDescription": </pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre> "Pod Protection by Rate Limiting rejected request" }, { "name": "error429", "errorCode": 429, "errorCause": "TOO_MANY_REQUESTS", "errorTitle": "Too many requests sent. Pod Protection by Rate Limiting rejected request at IGW", "errorDescription": "TOO_MANY_REQUESTS" }, { "name": "error503", "errorCode": 503, "errorCause": "POD_PROTECTION_BY_RA TE_LIMITING", "errorTitle": "Ingress Gateway is overloaded", "errorDescription": "Pod Protection by Rate Limiting rejected request" }] </pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
PUT	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/errorcodeserieslist Request body: <pre>[{ "id": "P1", "exceptionList": ["RequestTimeout", "ConnectionTimeout", "UnknownHostException", "NotFoundException"], "errorCodeSeries": [{ "errorSet": "5xx", "errorCodes": [503] }], }, { "id": "E1", "errorCodeSeries": [{ "errorSet": "4xx", "errorCodes": [-1] }, { "errorSet": "5xx", "errorCodes": [-1] }] }]</pre>	200 OK	Possible error codes 400 Bad Request: Could not Validate Json

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre>}]</pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
PATCH	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/errorcodeserieslist Request body: <pre>[{ "id": "P1", "exceptionList": ["RequestTimeout", "ConnectionTimeout", "UnknownHostException", "NotFoundException"], "errorCodeSeries": [{ "errorSet": "5xx", "errorCodes": [503] }], }, { "id": "E1", "errorCodeSeries": [{ "errorSet": "4xx", "errorCodes": [-1] }, { "errorSet": "5xx", "errorCodes": [-1] }] }]</pre>	200 OK	Possible error codes 400 Bad Request: Could not Validate Json

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> }] </pre>		
PUT	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/oauthvalidatorconfiguration Request body: <pre> { "keyIdList": [{ "keyId": "664b344e74294c8fa5d2e7dfaaab a407", "kSecretName": "samplesecret1", "certName": "samplecert1.crt", "certAlgorithm": "ES256" }], "instanceIdList": [{ "instanceId": "664b344e74294c8fa5d2e7dfaaab a407", "kSecretName": "samplesecret2", "certName": "samplecert2.crt", "certAlgorithm": "ES256" }], "oauthValidationMode": "INSTANCEID_ONLY" } </pre>	200 OK	Possible error codes 400 Bad Request: Could not Validate Json

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
PATCH	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/oauthvalidatorconfiguration Request body: <pre> { "keyIdList": [{ "keyId": "664b344e74294c8fa5d2e7dfaaab a407", "kSecretName": "samplesecret1", "certName": "samplecert1.crt", "certAlgorithm": "ES256" }], "instanceIdList": [{ "instanceId": "664b344e74294c8fa5d2e7dfaaab a407", "kSecretName": "samplesecret2", "certName": "samplecert2.crt", "certAlgorithm": "ES256" }], "oauthValidationMode": "INSTANCEID_ONLY" } </pre>	200 OK	Possible error codes 400 Bad Request: Could not Validate Json

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
GET	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/oauthvalidatorconfiguration	200 OK Response body: <pre> { "keyIdList": [{ "keyId": "664b344e74294c8fa5d2 e7dfaaaba407", "kSecretName": "samplesecret1", "certName": "samplecert1.crt", "certAlgorithm": "ES256" }], "instanceIdList": [{ "instanceId": "664b344e74294c8fa5d2 e7dfaaaba407", "kSecretName": "samplesecret2", "certName": "samplecert2.crt", "certAlgorithm": "ES256" }], "oauthValidationMode" : "INSTANCEID_ONLY" } </pre>	NA

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
PUT	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/ocdiscardpolicies Request body: <pre>[{ "name": "OCDP1", "scheme": "PercentageBased", "policies": [{ "level": "L1", "value": 0, "action": "RejectWithErrorCode", "errorCodeProfile": "error429" }, { "level": "L2", "value": 5, "action": "RejectWithErrorCode", "errorCodeProfile": "error429" }, { "level": "L3", "value": 15, "action": "RejectWithErrorCode", "errorCodeProfile": "error429" }, { "level": "L4", "value": 25, "action": "RejectWithErrorCode", "errorCodeProfile": </pre>	200 OK	Possible error codes 400 Bad Request: Could not Validate Json

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre>"error503" }] }]</pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
PATCH	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/ocdiscardpolicies Request body: <pre>[{ "name": "OCDP1", "scheme": "PercentageBased", "policies": [{ "level": "L1", "value": 0, "action": "RejectWithErrorCode", "errorCodeProfile": "error429" }, { "level": "L2", "value": 5, "action": "RejectWithErrorCode", "errorCodeProfile": "error429" }, { "level": "L3", "value": 15, "action": "RejectWithErrorCode", "errorCodeProfile": "error429" }, { "level": "L4", "value": 25, "action": "RejectWithErrorCode", "errorCodeProfile": </pre>	200 OK	Possible error codes 400 Bad Request: Could not Validate Json

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre>"error503" }] }</pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
GET	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/ocdiscardpolicies	200 OK Response body: <pre>[{ "name": "OCDP1", "scheme": "PercentageBased", "policies": [{ "level": "L1", "value": 0, "action": "RejectWithErrorCode" }, { "errorCodeProfile": "error429" }, { "level": "L2", "value": 5, "action": "RejectWithErrorCode" }, { "errorCodeProfile": "error429" }, { "level": "L3", "value": 15, "action": "RejectWithErrorCode" }, { "errorCodeProfile": "error429" }, { "level": "L4", "value": 10, "action": "RejectWithErrorCode" }, { "errorCodeProfile": "error429" }] }]</pre>	NA

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre>"level": "L4", "value": 25, "action": "RejectWithErrorCode" , "errorCodeProfile": "error503" }] }</pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
PUT	<pre> http://<nudr-config svc IP>:\<port>/udr/nf-common- component/v1/igw-sig/ routesconfiguration Request body: [{ "id": "traffic_mapping_http", "uri": "http://ocudr- nudr-drservice:5001", "order": 1, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"], "name": "ControlledShutdownFilter" }, { "metadata": [], "predicates": [{ "args": { "pattern": "/nudr-dr/**" }, "name": "Path" }, { "rateLimiting": { "methods": [{ "name": "PATCH", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "GET", </pre>	200 OK	Possible error codes 400 Bad Request: Could not Validate Json

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> "rate": 200, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 300, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "POST", "rate": 200, "rateLimitPolicy": "R1" }], "failureReqCountErrorCodeSeriesId": "P1" }, { "id": "traffic_mapping_http_udsf", "uri": "http://ocudr- nudr-drservice:5001", "order": 2, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"] </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> }, "name": "ControlledShutdownFilter" }], "metadata": [], "predicates": [{ "args": { "pattern": "/nudsf-dr/**" }, "name": "Path" }] }, { "id": "traffic_mapping_http_group", "uri": "http://ocudr- nuds-drservice:5001", "order": 3, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"], "name": "ControlledShutdownFilter" } }, { "args": { "pattern": "/nudr-group-id- map/**" }, "name": "Path" }], "rateLimiting": { </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> "methods": [{ "name": "GET", "rate": 1500, "rateLimitPolicy": "R1" }], "failureReqCountErrorCodeSeriesId": "P1" }, { "id": "traffic_mapping_http_eir", "uri": "http://ocudr- nudur-drservice:5001", "order": 4, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"] }, "name": "ControlledShutdownFilter" }], "metadata": [], "predicates": [{ "args": { "pattern": "/n5g-eir-eic/**" }, "name": "Path" }], "rateLimiting": { "methods": [{ "name": </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre>"GET", "rate": 1500, "rateLimitPolicy": "R1" }], }, "failureReqCountErrorCodeSeriesId": "P1" }]</pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
PATCH	<pre> http://<nudr-config svc IP>:\<port>/udr/nf-common- component/v1/igw-sig/ routesconfiguration Request body: [{ "id": "traffic_mapping_http", "uri": "http://ocudr- nudr-drservice:5001", "order": 1, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"], "name": "ControlledShutdownFilter" } }, { "metadata": [], "predicates": [{ "args": { "pattern": "/nudr-dr/**" }, "name": "Path" }], "rateLimiting": { "methods": [{ "name": "PATCH", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "GET", </pre>	200 OK	Possible error codes 400 Bad Request: Could not Validate Json

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> "rate": 200, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 300, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "POST", "rate": 200, "rateLimitPolicy": "R1" }], "failureReqCountErrorCodeSeriesId": "P1" }, { "id": "traffic_mapping_http_udsf", "uri": "http://ocudr- nudur-drservice:5001", "order": 2, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"] </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> }, "name": "ControlledShutdownFilter" }], "metadata": [], "predicates": [{ "args": { "pattern": "/nudsf-dr/**" }, "name": "Path" }] }, { "id": "traffic_mapping_http_group", "uri": "http://ocudr- nuds-drservice:5001", "order": 3, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"], "name": "ControlledShutdownFilter" } }, { "args": { "pattern": "/nudr-group-id- map/**" }, "name": "Path" }], "rateLimiting": { </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> "methods": [{ "name": "GET", "rate": 1500, "rateLimitPolicy": "R1" }], "failureReqCountErrorCodeSeriesId": "P1" }, { "id": "traffic_mapping_http_eir", "uri": "http://ocudr- nudur-drservice:5001", "order": 4, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"] }, "name": "ControlledShutdownFilter" }], "metadata": [], "predicates": [{ "args": { "pattern": "/n5g-eir-eic/**" }, "name": "Path" }], "rateLimiting": { "methods": [{ "name": </pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre>"GET", "rate": 1500, "rateLimitPolicy": "R1" }], }, "failureReqCountErrorCodeSeriesId": "P1" }]</pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
GET	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/routesconfiguration	200 OK Response body: <pre>[{ "id": "traffic_mapping_http", "uri": "http://ocudr-nudr-drservice:5001", "order": 1, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"], "name": "ControlledShutdownFilter" }, "metadata": [], "predicates": [{ "args": { "pattern": "/nudr-dr/**" }, "name": "Path" }], "rateLimiting": { "methods": [{</pre>	NA

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre> "name": "PATCH", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "GET", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 300, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "POST", "rate": 200, "rateLimitPolicy": "R1" }], }, "failureReqCountError CodeSeriesId": "P1" </pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre> }, { "id": "traffic_mapping_http _uds", "uri": "http://ocudr-nudr- drservice:5001", "order": 2, "filters": [{ "args": { "applicableShutdownSt ates": ["COMPLETE_SHUTDOWN"] }, "name": "ControlledShutdownFi lter" }], "metadata": [], "predicates": [{ "args": { "pattern": "/nuds- dr/**" }, "name": "Path" }] }, { "id": "traffic_mapping_http _group", "uri": "http://ocudr-nudr- </pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre> drservice:5001", "order": 3, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"], "name": "ControlledShutdownFilter" }, "metadata": [] }, { "predicates": [{ "args": { "pattern": "/nudr-group-id-map/**" }, "name": "Path" }], "rateLimiting": { "methods": [{ "name": "GET", "rate": 1500, "rateLimitPolicy": "R1" }] } }] </pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre> }, "failureReqCountError CodeSeriesId": "P1" }, { "id": "traffic_mapping_http _eir", "uri": "http://ocudr-nudr- drservice:5001", "order": 4, "filters": [{ "args": { "applicableShutdownSt ates": ["COMPLETE_SHUTDOWN"] }, "name": "ControlledShutdownFi lter" }], "metadata": [], "predicates": [{ "args": { "pattern": "/n5g-eir- eic/**" }, "name": "Path" }], "rateLimiting": { </pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre> "methods": [{ "name": "GET", "rate": 1500, "rateLimitPolicy": "R1" }], "failureReqCountError CodeSeriesId": "P1" }] </pre>	
PUT	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/useragentheadervalidation Request body: <pre> { "enabled": true, "validationType": "strict", "consumerNfTypes": ["PCF", "NRF", "UDM"] } </pre> Additional request body: <pre> { "enabled": false, "validationType": "strict" } </pre>	200 OK	NA

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
GET	http://<nudr-config svc IP>:\<port>/udr/nf-common- component/v1/igw-sig/ useragentheadervalidation	200 OK Response body: <pre>{ "enabled": false, "validationType": "strict" }</pre>	NA
PATCH	http://<nudr-config svc IP>:\<port>/udr/nf-common- component/v1/igw-sig/ useragentheadervalidation Request body: <pre>{ "enabled": true, "validationType": "strict", "consumerNfTypes": ["PCF", "NRF", "UDM"] }</pre>	200 OK	NA

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
GET	http://<nudr-config-host>:\<nudr-config-port>/udr/nf-common-component/v1/igw-sig/podProtectionByRateLimiting	Response body: <pre> { "routes": [{ "id": 1, "path": "/nudr-group-id-map/ **", "methods": ["GET"], "percentage": 100 }], "enabled": true, "fillRate": 2900, "defaultPriority": 24, "errorCodeProfile": "error429", "priorityHeaderName": "3gpp-Sbi-Message- Priority", "deniedRequestActions ": [{ "id": 1, "action": "CONTINUE", "congestionLevel": 0 }, { "id": 2, "action": "CONTINUE", "congestionLevel": 1 }, { "id": 3, "action": "REJECT", </pre>	NA

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre>"congestionLevel": 2, "errorCodeProfile": "error429" }, { "id": 4, "action": "REJECT", "congestionLevel": 3, "errorCodeProfile": "error503" }] }</pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
PUT	http://<nudr-config-host>:\<nudr-config-port>/udr/nf-common-component/v1/igw-sig/podProtectionByRateLimiting Request body: <pre> { "routes": [{ "id": 1, "path": "/nudr-group-id-map/**", "methods": ["GET"], "percentage": 100 }], "enabled": true, "fillRate": 2900, "defaultPriority": 24, "errorCodeProfile": "error429", "priorityHeaderName": "3gpp-Sbi-Message-Priority", "deniedRequestActions": [{ "id": 1, "action": "CONTINUE", "congestionLevel": 0 }, { "id": 2, "action": "CONTINUE", "congestionLevel": 1 }, { "id": 3, "action": "REJECT", "congestionLevel": 2, "errorCodeProfile": "error429" }] } </pre>	NA	NA

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> }, { "id": 4, "action": "REJECT", "congestionLevel": 3, "errorCodeProfile": "error503" }] }</pre>		

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
GET	http://<nudr-config-host>:\<nudr-config-port>/udr/nf-common-component/v1/igw-sig/congestionConfig	200 OK Response body: <pre> { "levels": [{ "name": "Normal", "value": 1, "resources": [{ "name": "CPU", "onset": 70, "abatement": 65 }], }, { "name": "Danger Of Congestion", "value": 2, "resources": [{ "name": "CPU", "onset": 80, "abatement": 75 }], }, { "name": "Congestion", "value": 3, "resources": [{ "name": "CPU", </pre>	NA

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
		<pre>"onset": 90, "abatement": 85 }] }, "refreshInterval": 500 }</pre>	

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
PUT	http://<nudr-config-host>:\<nudr-config-port>/udr/nf-common-component/v1/igw-sig/congestionConfig Request body: <pre> { "levels": [{ "name": "Normal", "value": 1, "resources": [{ "name": "CPU", "onset": 70, "abatement": 65 }], }, { "name": "Danger Of Congestion", "value": 2, "resources": [{ "name": "CPU", "onset": 80, "abatement": 75 }], }, { "name": "Congestion", "value": 3, "resources": [{ "name": "CPU", "onset": 90, "abatement": 85 </pre>	200 OK	NA

Table 5-3 (Cont.) Ingress Gateway Signalling APIs for common services

Method	Request	Response	Notes
	<pre> }] }], "refreshInterval": 500 }</pre>		

5.2.2 Ingress Gateway Provisioning APIs

This section describes the configuration APIs for Ingress Gateway Provisioning.

Table 5-4 Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
PUT	<pre> http://<nudr-config svc IP>:\<port>/udr/nf-common- component/v1/igw-prov/ routesconfiguration Request body: [{ "id": "traffic_mapping_http_prov", "uri": "http://ocudr- nudr-dr-provservice:5001", "order": 1, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"], "name": "ControlledShutdownFilter" } }, { "metadata": [], "predicates": [{ "args": { "pattern": "/nudr-dr-prov/**" }, "name": "Path" }], "rateLimiting": { "methods": [{ "name": "PATCH", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "GET", </pre>	200 OK	Possible error codes: 400 Bad Request: Could not Validate Json

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
	<pre> "rate": 200, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 300, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "POST", "rate": 200, "rateLimitPolicy": "R1" }], }, "failureReqCountErrorCodeSeriesId": "P1" }, { "id": "traffic_mapping_http_mgmt", "uri": "http://ocudr- nudur-dr-provservice:5001", "order": 2, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"] </pre>		

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
	<pre> }, "name": "ControlledShutdownFilter" }], "metadata": [], "predicates": [{ "args": { "pattern": "/nuds-dr-mgm/**" }, "name": "Path" }] }, { "id": "traffic_mapping_http_group_p rov", "uri": "http://ocuds- nuds-dr-provservice:5001", "order": 3, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"], "name": "ControlledShutdownFilter" } }, { "args": { "pattern": "/nuds-group-id- map-prov/**" }, "name": "Path" }] } </pre>		

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
	<pre> "rateLimiting": { "methods": [{ "name": "GET", "rate": 800, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }], "failureReqCountErrorCodeSeriesId": "P1" }, { "id": "traffic_mapping_http_slf_group_prov", "uri": "http://ocudr-nudr-dr-provservice:5001", "order": 4, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"] }, "name": </pre>		

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
	<pre> "ControlledShutdownFilter" }], "metadata": [], "predicates": [{ "args": { "pattern": "/slf-group- prov/**" }, "name": "Path" }], "rateLimiting": { "methods": [{ "name": "GET", "rate": 800, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }] }, "failureReqCountErrorCodeSeriesId": "P1" }, { "id": </pre>		

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
	<pre> "traffic_mapping_http_eir_pro v", "uri": "http://ocudr- nudur-dr-provservice:5001", "order": 5, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"], "name": "ControlledShutdownFilter" } }, { "metadata": [], "predicates": [{ "args": { "pattern": "/n5g-eir-prov/**" }, "name": "Path" }], "rateLimiting": { "methods": [{ "name": "GET", "rate": 800, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 200, "rateLimitPolicy": "R1" }] } }] </pre>		

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
	<pre> "DELETE", "rate": 200, "rateLimitPolicy": "R1" }], }, "failureReqCountErrorCodeSeriesId": "P1" }, { "id": "traffic_mapping_http_dbcr_prov", "uri": "http://ocudr-nudr-dbc-auditor-service:5001", "order": 6, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"], "name": "ControlledShutdownFilter" }], "metadata": [], "predicates": [{ "args": { "pattern": "/nudr-dbc/**" }, "name": "Path" }] }] </pre>		

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
PATCH	<pre> http://<nudr-config svc IP>:\<port>/udr/nf-common- component/v1/igw-prov/ routesconfiguration Request body: [{ "id": "traffic_mapping_http_prov", "uri": "http://ocudr- nudr-dr-provservice:5001", "order": 1, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"], "name": "ControlledShutdownFilter" }, "metadata": [], "predicates": [{ "args": { "pattern": "/nudr-dr-prov/**" }, "name": "Path" }, { "rateLimiting": { "methods": [{ "name": "PATCH", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "GET", </pre>	200 OK	Possible error codes: 400 Bad Request: Could not Validate Json

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
	<pre> "rate": 200, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 300, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "POST", "rate": 200, "rateLimitPolicy": "R1" }], "failureReqCountErrorCodeSeriesId": "P1" }, { "id": "traffic_mapping_http_mgmt", "uri": "http://ocudr- nudur-dr-provservice:5001", "order": 2, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"] </pre>		

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
	<pre> }, "name": "ControlledShutdownFilter" }], "metadata": [], "predicates": [{ "args": { "pattern": "/nudr-dr-mgm/**" }, "name": "Path" }] }, { "id": "traffic_mapping_http_group_p rov", "uri": "http://ocudr- nudr-dr-provservice:5001", "order": 3, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"], "name": "ControlledShutdownFilter" } }, { "args": { "pattern": "/nudr-group-id- map-prov/**" }, "name": "Path" }] } </pre>		

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
	<pre> "rateLimiting": { "methods": [{ "name": "GET", "rate": 800, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }], "failureReqCountErrorCodeSeriesId": "P1" }, { "id": "traffic_mapping_http_slf_group_prov", "uri": "http://ocudr-nudr-dr-provservice:5001", "order": 4, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"] }, "name": </pre>		

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
	<pre> "ControlledShutdownFilter" }], "metadata": [], "predicates": [{ "args": { "pattern": "/slf-group- prov/**" }, "name": "Path" }], "rateLimiting": { "methods": [{ "name": "GET", "rate": 800, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }], "failureReqCountErrorCodeSeriesId": "P1" }, { "id": </pre>		

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
	<pre> "traffic_mapping_http_eir_pro v", "uri": "http://ocudr- nudur-dr-provservice:5001", "order": 5, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"], "name": "ControlledShutdownFilter" } }, { "metadata": [], "predicates": [{ "args": { "pattern": "/n5g-eir-prov/**" }, "name": "Path" }], "rateLimiting": { "methods": [{ "name": "GET", "rate": 800, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 200, "rateLimitPolicy": "R1" }] } }] </pre>		

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
	<pre> "DELETE", "rate": 200, "rateLimitPolicy": "R1" }], }, "failureReqCountErrorCodeSeriesId": "P1" }, { "id": "traffic_mapping_http_dbcr_prov", "uri": "http://ocudr-nudr-dbc-auditor-service:5001", "order": 6, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"], "name": "ControlledShutdownFilter" }], "metadata": [], "predicates": [{ "args": { "pattern": "/nudr-dbc/**" }, "name": "Path" }] }] </pre>		

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
GET	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-prov/routesconfiguration	<pre> 200 OK Response body: [{ "id": "traffic_mapping_http _prov", "uri": "http://ocudr-nudr- dr-provservice:5001", "order": 1, "filters": [{ "args": { "applicableShutdownSt ates": ["COMPLETE_SHUTDOWN"] }, "name": "ControlledShutdownFi lter" }], "metadata": [], "predicates": [{ "args": { "pattern": "/nudr-dr- prov/**" }, "name": "Path" }], "rateLimiting": { "methods": [{ </pre>	NA

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
		<pre> "name": "PATCH", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "GET", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 300, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "POST", "rate": 200, "rateLimitPolicy": "R1" }], }, "failureReqCountError CodeSeriesId": "P1" </pre>	

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
		<pre> }, { "id": "traffic_mapping_http _mgmt", "uri": "http://ocudr-nudr- dr-provservice:5001", "order": 2, "filters": [{ "args": { "applicableShutdownSt ates": ["COMPLETE_SHUTDOWN"] }, "name": "ControlledShutdownFi lter" }], "metadata": [], "predicates": [{ "args": { "pattern": "/nudr-dr- mgm/**" }, "name": "Path" }] }, { "id": "traffic_mapping_http _group_prov", "uri": "http://ocudr-nudr- </pre>	

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
		<pre> dr-provservice:5001", "order": 3, "filters": [{ "args": { "applicableShutdownStates": ["COMPLETE_SHUTDOWN"], "name": "ControlledShutdownFilter" }, "metadata": [] }, { "predicates": [{ "args": { "pattern": "/nudr-group-id-map-prov/**" }, "name": "Path" }], "rateLimiting": { "methods": [{ "name": "GET", "rate": 800, "rateLimitPolicy": "R1" }] } }] </pre>	

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
		<pre> "name": "PUT", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }], }, "failureReqCountError CodeSeriesId": "P1" }, { "id": "traffic_mapping_http _slf_group_prov", "uri": "http://ocudr-nudr- dr-provservice:5001", "order": 4, "filters": [{ "args": { "applicableShutdownSt ates": ["COMPLETE_SHUTDOWN"] }, "name": "ControlledShutdownFi lter" }], </pre>	

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
		<pre> "metadata": [], "predicates": [{ "args": { "pattern": "/slf- group-prov/**" }, "name": "Path" }], "rateLimiting": { "methods": [{ "name": "GET", "rate": 800, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }] } }, </pre>	

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
		<pre> "failureReqCountError CodeSeriesId": "P1" }, { "id": "traffic_mapping_http _eir_prov", "uri": "http://ocudr-nudr- dr-provservice:5001", "order": 5, "filters": [{ "args": { "applicableShutdownSt ates": ["COMPLETE_SHUTDOWN"] }, { "name": "ControlledShutdownFi lter" }], "metadata": [], "predicates": [{ "args": { "pattern": "/n5g-eir- prov/**" }, { "name": "Path" }], "rateLimiting": { "methods": [{ </pre>	

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
		<pre> "name": "GET", "rate": 800, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }], }, "failureReqCountError CodeSeriesId": "P1" }, { "id": "traffic_mapping_http _dbcr_prov", "uri": "http://ocudr-nudr- dbcr-auditor- service:5001", "order": 6, "filters": [{ "args": { "applicableShutdownSt ates": [</pre>	

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
		<pre>"COMPLETE_SHUTDOWN"], "name": "ControlledShutdownFilter" },], "metadata": [], "predicates": [{ "args": { "pattern": "/nudr- dbcr/**" }, "name": "Path" }] }</pre>	

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
PUT	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/serverheaderdetails Request body (enable): <pre>{ "enabled": true, "configuration": { "nfType": "UDR", "nfInstanceId": "5a7bd676-ceeb-44bb-95e0-f6a55a328b03", "errorCodeSeries": [{ "errorSet": "4xx", "errorCodes": [-1] }, { "errorSet": "5xx", "errorCodes": [-1] }] } }</pre> Request body (disable): <pre>{ "enabled": false, "configuration": { "nfType": "" } }</pre>	200 OK	NA

Table 5-4 (Cont.) Ingress Gateway Provisioning APIs for common services

Method	Request	Response	Notes
GET	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/serverheaderdetails	200 OK Response body: <pre>{ "enabled": false, "configuration": { "nfType": "" } }</pre>	NA
PATCH	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/igw-sig/serverheaderdetails Request body: <pre>{ "enabled": true, "configuration": { "nfType": "UDR", "nfInstanceId": "5a7bd676-ceeb-44bb-95e0-f6a55a328b03", "errorCodeSeries": [{ "errorSet": "4xx", "errorCodes": [-1] }, { "errorSet": "5xx", "errorCodes": [-1] }] } }</pre>	200 OK	NA

5.2.3 Enable cnDBTier Metrics with OSO Prometheus

cnDBTier setup must be applied with the below yaml file. For example:

```
kubectl create -f <.yaml> -n <nsdbtier>
```

```
apiVersion: networking.istio.io/v1alpha3
kind: ServiceEntry
metadata:
  name: cnadb-to-mysql-external-se
spec:
  exportTo:
    - "."
  hosts:
    - mysql-connectivity-service
  location: MESH_EXTERNAL
  ports:
    - number: 3306
      name: mysql2
      protocol: MySQL
---
apiVersion: networking.istio.io/v1alpha3
kind: ServiceEntry
metadata:
  name: nf-to-nf
spec:
  exportTo:
    - "."
  hosts:
    - ".*$DOMAIN_NAME" # DOMAIN_NAME must be replaced with the deployed CNE
Domain name
  location: MESH_EXTERNAL
  ports:
    - number: 80
      name: HTTP2-80
      protocol: TCP
    - number: 8080
      name: HTTP2-8080
      protocol: TCP
    - number: 3306
      name: TCP-3306
      protocol: TCP
    - number: 1186
      name: TCP-1186
      protocol: TCP
    - number: 2202
      name: TCP-2202
      protocol: TCP
  resolution: NONE
---
apiVersion: security.istio.io/v1beta1
kind: PeerAuthentication
metadata:
```

```

    name: default
  spec:
    mtls:
      mode: PERMISSIVE
  ---
apiVersion: networking.istio.io/v1alpha3
kind: ServiceEntry
metadata:
  name: nf-to-kube-api-server
spec:
  hosts:
    - kubernetes.default.svc.$DOMAIN_NAME # DOMAIN_NAME must be replaced with
the deployed CNE Domain name
  exportTo:
    - "."
  addresses:
    - 172.16.13.4
  location: MESH_INTERNAL
  ports:
    - number: 443
      name: https
      protocol: HTTPS
    - number: 6443
      name: https-1
      protocol: HTTPS
  resolution: NONE
  ---

```

Install Operations Services Overlay (OSO) Prometheus with cnDBTier namespace in the OSO custom-values.yaml file to remove the cnDBTier metrics. The sample yaml file is given below:

```

#####
####
#
#
# Copyright (c) 2022 Oracle and/or its affiliates. All rights
reserved.      #
#
#
#####
####

nameOverride: prom

## Helm-Test (Optional)
# Values needed for helm-test, Comment the entire Section if Helm-test not
needed.
helmtestimage: occne-repo-host:5000/k8s.gcr.io/ingress-nginx/controller:v1.3.1
useasm: false
namespace: ocudr-ns
clustername: cne-23-1-rc2
resources:
  limits:
    cpu: 10m
    memory: 32Mi

```

```

requests:
  cpu: 10m
  memory: 32Mi
promsvcname: oso-prom-svr
almsvcname: oso-prom-alm
prometheushealthyurl: /prometheus/-/healthy
prometheusreadyurl: /prometheus/-/ready

# Note: There are 3 types of label definitons provided in this custom values
file
# TYPE1: Global(allResources)
# TYPE2: lb & nonlb TYPE label only
# TYPE3: service specific label
## NOTE: POD level labels can be inserted using the specific pod label
sections, every pod/container has this label defined below in all components
sections.
# ***** Custom Extension Global Parameters *****
#*****

global_oso:
# Prefix & Suffix that will be added to containers
k8Resource:
  container:
    prefix:
    suffix:

# Service account for Prometheus, Alertmanagers
serviceAccountNamePromSvr: ""
serviceAccountNameAlertMgr: ""

customExtension:
# TYPE1 Label
allResources:
  labels: {}

# TYPE2 Labels
lbServices:
  labels: {}

nonlbServices:
  labels: {}

lbDeployments:
  labels: {}

nonlbDeployments:
  labels: {}

lbStatefulSets:
  labels: {}

# Add annotations for disabling sidecar injections into oso pods here
# eg: annotations:
#   - sidecar.istio.io/inject: "false"
annotations:
  - sidecar.istio.io/inject: "false"

```

```

## Setting this parameter to false will disable creation of all default
clusterrole, clusterrolebinding, role, rolebindings for the components that are
packaged in this csar.
rbac:
  create: true

podSecurityPolicy:
  enabled: false

## Define serviceAccount names for components. Defaults to component's fully
qualified name.
##
serviceAccounts:
  alertmanager:
    create: true
    name:
    annotations: {}
  nodeExporter:
    create: false
    name:
    annotations: {}
  pushgateway:
    create: false
    name:
    annotations: {}
  server:
    create: true
    name:
    annotations: {}

alertmanager:
  enabled: true

  ## Use a ClusterRole (and ClusterRoleBinding)
  ## - If set to false - Define a Role and RoleBinding in the defined
namespaces ONLY
  ## This makes alertmanager work - for users who do not have ClusterAdmin
privs, but wants alertmanager to operate on their own namespaces, instead of
clusterwide.
  useClusterRole: false

  ## Set to a rolename to use existing role - skipping role creating - but
still doing serviceaccount and rolebinding to the rolename set here.
  useExistingRole: false

  ## alertmanager resources name
  name: alm
  image:
    repository: occne-repo-host:5000/quay.io/prometheus/alertmanager
    tag: v0.24.0
    pullPolicy: IfNotPresent
  extraArgs:
    data.retention: 120h
  prefixURL: /cne-23-1-rc2/alertmanager
  baseURL: "http://localhost/cne-23-1-rc2/alertmanager"

```

```

configFileName: alertmanager.yml
nodeSelector: {}
affinity: {}
podDisruptionBudget:
  enabled: true
  minAvailable: 1
persistentVolume:
  enabled: true
  accessModes:
    - ReadWriteOnce
  annotations: {}
  ## alertmanager data Persistent Volume existing claim name
  ## Requires alertmanager.persistentVolume.enabled: true
  ## If defined, PVC must be created manually before volume will be bound
  existingClaim: ""
  mountPath: /data
  size: 2Gi
  storageClass: "standard"

## Annotations to be added to alertmanager pods
##
podAnnotations: {}

## Labels to be added to Prometheus AlertManager pods
##
podLabels: {}

replicaCount: 2

## Annotations to be added to deployment
##
deploymentAnnotations: {}

statefulSet:
  ## If true, use a statefulset instead of a deployment for pod management.
  ## This allows to scale replicas to more than 1 pod
  ##
  enabled: true
  annotations: {}
  labels: {}
  podManagementPolicy: OrderedReady

  ## Alertmanager headless service to use for the statefulset
  ##
  headless:
    annotations: {}
    labels: {}

    ## Enabling peer mesh service end points for enabling the HA alert
manager
  ## Ref: https://github.com/prometheus/alertmanager/blob/master/README.md
  enableMeshPeer: true

  servicePort: 80

## alertmanager resource requests and limits

```

```

## Ref: http://kubernetes.io/docs/user-guide/compute-resources/
##
resources:
  limits:
    cpu: 20m
    memory: 64Mi
  requests:
    cpu: 20m
    memory: 64Mi

service:
  annotations: {}
  labels: {}
  clusterIP: ""
  loadBalancerIP: ""
  loadBalancerSourceRanges: []
  servicePort: 80
  # nodePort: 30000
  sessionAffinity: None
  type: ClusterIP

## Monitors ConfigMap changes and POSTs to a URL
## Ref: https://github.com/jimmidyson/configmap-reload
##
configmapReload:
  prometheus:
    enabled: true
    ## configmap-reload container name
    ##
    name: configmap-reload
  image:
    repository: occne-repo-host:5000/docker.io/jimmidyson/configmap-reload
    tag: v0.8.0
    pullPolicy: IfNotPresent

# containerPort: 9533

## Additional configmap-reload mounts
##
extraConfigmapMounts: []

## Security context to be added to configmap-reload container
containerSecurityContext: {}

## configmap-reload resource requests and limits
## Ref: http://kubernetes.io/docs/user-guide/compute-resources/
##
resources:
  limits:
    cpu: 10m
    memory: 32Mi
  requests:
    cpu: 10m
    memory: 32Mi

alertmanager:

```

```

enabled: true
name: configmap-reload
image:
  repository: occne-repo-host:5000/docker.io/jimmydyson/configmap-reload
  tag: v0.8.0
  pullPolicy: IfNotPresent

# containerPort: 9533
## Additional configmap-reload mounts
##
extraConfigmapMounts: []
# - name: prometheus-alerts
#   mountPath: /etc/alerts.d
#   subPath: ""
#   configMap: prometheus-alerts
#   readOnly: true

resources:
  limits:
    cpu: 10m
    memory: 32Mi
  requests:
    cpu: 10m
    memory: 32Mi

kubeStateMetrics:
  enabled: false

nodeExporter:
  enabled: false

server:
  enabled: true
  ## namespaces to monitor (instead of monitoring all - clusterwide). Needed
  if you want to run without Cluster-admin privileges.
  namespaces: []
  # - ocudr-ns
  name: svr
  image:
    repository: occne-repo-host:5000/quay.io/prometheus/prometheus
    tag: v2.39.1
    pullPolicy: IfNotPresent
  prefixURL: /cne-23-1-rc2/prometheus
  baseURL: "http://localhost/cne-23-1-rc2/prometheus"

## Additional server container environment variables
env: []

# List of flags to override default parameters, e.g:
# - --enable-feature=agent
# - --storage.agent.retention.max-time=30m
defaultFlagsOverride: []

extraFlags:
  - web.enable-lifecycle
  ## web.enable-admin-api flag controls access to the administrative HTTP

```



```

API which includes functionality such as
  ## deleting time series. This is disabled by default.
  # - web.enable-admin-api
  ##
  ## storage.tsdb.no-lockfile flag controls BD locking
  # - storage.tsdb.no-lockfile
  ##
  ## storage.tsdb.wal-compression flag enables compression of the write-
ahead log (WAL)
  # - storage.tsdb.wal-compression

## Path to a configuration file on prometheus server container FS
configPath: /etc/config/prometheus.yml

global:
  scrape_interval: 1m
  scrape_timeout: 30s
  evaluation_interval: 1m
#remoteWrite:
  #- url OSO_CORTEX_URL
  # remote_timeout (default = 30s)
  #remote_timeout: OSO_REMOTE_WRITE_TIMEOUT
  # bearer_token for cortex server to be configured
  #   bearer_token: BEARER_TOKEN

extraArgs:
  storage.tsdb.retention.size: 1GB
## Additional Prometheus server Volume mounts
##
extraVolumeMounts: []

## Additional Prometheus server Volumes
##
extraVolumes: []

## Additional Prometheus server hostPath mounts
##
extraHostPathMounts: []
  # - name: certs-dir
  #   mountPath: /etc/kubernetes/certs
  #   subPath: ""
  #   hostPath: /etc/kubernetes/certs
  #   readOnly: true

extraConfigmapMounts: []

nodeSelector: {}
affinity: {}
podDisruptionBudget:
  enabled: false
  maxUnavailable: 1

persistentVolume:
  enabled: true
  accessModes:
    - ReadWriteOnce

```

```

annotations: {}

## Prometheus server data Persistent Volume existing claim name
## Requires server.persistentVolume.enabled: true
## If defined, PVC must be created manually before volume will be bound
existingClaim: ""
size: 2Gi
storageClass: "standard"

## Annotations to be added to Prometheus server pods
##
podAnnotations: {}

## Labels to be added to Prometheus server pods
##
podLabels: {}

## Prometheus AlertManager configuration
##
alertmanagers:
- kubernetes_sd_configs:
  - role: pod
  # Namespace to be configured
  namespaces:
    names:
      - ocudr-ns
      - dbtier-ns
path_prefix: cne-23-1-rc2/alertmanager
relabel_configs:
- source_labels: [__meta_kubernetes_namespace]
  # namespace to be configured
  regex: ocudr-ns
  action: keep
- source_labels: [__meta_kubernetes_pod_label_app]
  regex: prom
  action: keep
- source_labels: [__meta_kubernetes_pod_label_component]
  regex: alm
  action: keep
- source_labels: [__meta_kubernetes_pod_annotation_prometheus_io_probe]
  regex: .*
  action: keep
- source_labels: [__meta_kubernetes_pod_container_port_number]
  regex:
  action: drop

## Use a StatefulSet if replicaCount needs to be greater than 1 (see below)
##
replicaCount: 1

## Annotations to be added to deployment
##
deploymentAnnotations: {}

statefulSet:
  ## If true, use a statefulset instead of a deployment for pod management.

```

```

    ## This allows to scale replicas to more than 1 pod
    ##
    enabled: false

    annotations: {}
    labels: {}
    podManagementPolicy: OrderedReady

resources:
  limits:
    cpu: 2
    memory: 4Gi
  requests:
    cpu: 2
    memory: 4Gi

service:
  enabled: true
  annotations: {}
  labels: {}
  clusterIP: ""
  externalIPs: []
  loadBalancerIP: ""
  loadBalancerSourceRanges: []
  servicePort: 80
  sessionAffinity: None
  type: NodePort

  ## If using a statefulSet (statefulSet.enabled=true), configure the
  ## service to connect to a specific replica to have a consistent view
  ## of the data.
  statefulsetReplica:
    enabled: false
    replica: 0
  retention: "7d"

pushgateway:
  ## If false, pushgateway will not be installed
  ##
  enabled: false

## alertmanager ConfigMap entries
##
alertmanagerFiles:
  alertmanager.yml:
    global: {}
    # slack_api_url: ''

  receivers:
    - name: default-receiver
      # slack_configs:
      #   - channel: '@you'
      #     send_resolved: true

  route:
    group_wait: 10s

```

```

    group_interval: 5m
    receiver: default-receiver
    repeat_interval: 3h

## Prometheus server ConfigMap entries for rule files (allow prometheus
labels interpolation)
ruleFiles: {}

## Prometheus server ConfigMap entries
##
serverFiles:

    ## Alerts configuration
    ## Ref: https://prometheus.io/docs/prometheus/latest/configuration/
    alerting_rules/
    alerting_rules.yml: {}

    ## DEPRECATED DEFAULT VALUE, unless explicitly naming your files, please
    use alerting_rules.yml
    alerts: {}

    ## Records configuration
    ## Ref: https://prometheus.io/docs/prometheus/latest/configuration/
    recording_rules/
    recording_rules.yml: {}
    ## DEPRECATED DEFAULT VALUE, unless explicitly naming your files, please
    use recording_rules.yml
    rules: {}

prometheus.yml:
  rule_files:
    - /etc/config/recording_rules.yml
    - /etc/config/alerting_rules.yml
    ## Below two files are DEPRECATED will be removed from this default
    values file
    - /etc/config/rules
    - /etc/config/alerts

  scrape_configs:
    - job_name: prometheus
      metrics_path: /cne-23-1-rc2/prometheus/metrics
      static_configs:
        - targets:
            - localhost:9090

extraScrapeConfigs: |

- job_name: 'oracle-cnc-service'
  kubernetes_sd_configs:
    - role: service
      namespaces:
        names:
          - ocudr-ns
          - dbtier-ns
        # - ns2
  relabel_configs:

```

```

- source_labels: [__meta_kubernetes_service_annotation_oracle_com_cnc]
  regex: true
  action: keep
- source_labels:
  [__meta_kubernetes_service_annotation_prometheus_io_scrape]
  action: keep
  regex: true
- source_labels:
  [__meta_kubernetes_service_annotation_prometheus_io_path]
  action: replace
  target_label: __metrics_path__
  regex: (.+)
- source_labels: [__address__],
  __meta_kubernetes_service_annotation_prometheus_io_port]
  action: replace
  regex: ([^:]+)(?::\d+)?;(\d+)
  replacement: $1:$2
  target_label: __address__
- action: labelmap
  regex: __meta_kubernetes_service_label_(.+)
- source_labels: [__meta_kubernetes_namespace]
  action: replace
  target_label: kubernetes_namespace
- source_labels: [__meta_kubernetes_service_name]
  action: replace
  target_label: kubernetes_service_name

- job_name: 'oracle-cnc-pod'
  kubernetes_sd_configs:
    - role: pod
      namespaces:
        names:
          - ocudr-ns
          - dbtier-ns
        # - ns2
  relabel_configs:
    - source_labels: [__meta_kubernetes_pod_annotation_oracle_com_cnc]
      regex: true
      action: keep
    - source_labels: [__meta_kubernetes_pod_annotation_prometheus_io_scrape]
      action: keep
      regex: true
    - source_labels: [__meta_kubernetes_pod_annotation_prometheus_io_path]
      action: replace
      target_label: __metrics_path__
      regex: (.+)
    - source_labels: [__address__],
      __meta_kubernetes_pod_annotation_prometheus_io_port]
      action: replace
      regex: ([^:]+)(?::\d+)?;(\d+)
      replacement: $1:$2
      target_label: __address__
    - action: labelmap
      regex: __meta_kubernetes_pod_label_(.+)
    - source_labels: [__meta_kubernetes_namespace]
      action: replace

```

```

    target_label: kubernetes_namespace
  - source_labels: [__meta_kubernetes_pod_name]
    action: replace
    target_label: kubernetes_pod_name

- job_name: 'oracle-cnc-endpoints'
  kubernetes_sd_configs:
    - role: endpoints
      namespaces:
        # names:
        # - ns1
        # - ns2
  relabel_configs:
    - source_labels: [__meta_kubernetes_service_annotation_oracle_com_cnc]
      regex: true
      action: keep
    - source_labels:
      [__meta_kubernetes_service_annotation_prometheus_io_scrape]
      action: keep
      regex: true
    - source_labels:
      [__meta_kubernetes_service_annotation_prometheus_io_scheme]
      action: replace
      target_label: __scheme__
      regex: (https?)
    - source_labels:
      [__meta_kubernetes_service_annotation_prometheus_io_path]
      action: replace
      target_label: __metrics_path__
      regex: (.+)
    - source_labels: [__address__],
      __meta_kubernetes_service_annotation_prometheus_io_port]
      action: replace
      target_label: __address__
      regex: ([^:]+)(?::\d+)?;(\d+)
      replacement: $1:$2

- job_name: 'oracle-cnc-ingress'
  kubernetes_sd_configs:
    - role: ingress
      namespaces:
        # names:
        # - ns1
        # - ns2
  relabel_configs:
    - source_labels: [__meta_kubernetes_ingress_annotation_oracle_com_cnc]
      regex: true
      action: keep

```

5.2.4 Configuration APIs for Overload Handling

This section describes the configuration APIs on Ingress Gateway and perf-info microservices for overload handling.

Table 5-5 Configuration APIs on Ingress Gateway for Overload Handling

HTTP Method	Sample Request REST URL	Sample Response
PUT	igw-sig URL: /udr/nf-common-component/v1/igw-sig/ocpolicymapping oc policy mapping <pre>{ "enabled":true, "mappings": [{ "svcName": "ocudr-nudr-drservice", "policyName":"OCDP1" }], "samplingPeriod":6000 }</pre> igw-prov URL: /udr/nf-common-component/v1/igw-prov/ocpolicymapping oc policy mapping <pre>{ "enabled":true, "mappings": [{ "svcName": "ocudr-nudr-drprovservice", "policyName":"OCDP1" }], "samplingPeriod":6000 }</pre>	Response is same as Request payload.

Table 5-5 (Cont.) Configuration APIs on Ingress Gateway for Overload Handling

HTTP Method	Sample Request REST URL	Sample Response
PATCH	igw-sig URL: /udr/nf-common-component/v1/igw-sig/ocpolicymapping oc policy mapping <pre> { "enabled": true, "mappings": [{ "svcName": "sm.pcf.com", "policyName": "OCDP1" }, { "svcName": "cm.pcf.com", "policyName": "OCDP2" }, { "svcName": "localhost", "policyName": "OCDP3" }], "samplingPeriod": 200 } </pre>	200 OK

Table 5-5 (Cont.) Configuration APIs on Ingress Gateway for Overload Handling

HTTP Method	Sample Request REST URL	Sample Response
GET	igw-sig URL: /udr/nf-common-component/v1/igw-sig/ocpolicymapping oc policy mapping <pre>{ "enabled": true, "mappings": [{ "svcName": "sm.pcf.com", "policyName": "OCDP1" }, { "svcName": "cm.pcf.com", "policyName": "OCDP2" }, { "svcName": "localhost", "policyName": "OCDP3" }], "samplingPeriod": 200 }</pre>	200 OK
PUT	igw-sig URL: /udr/nf-common-component/v1/igw-sig/ocdiscardpolicies igw-prov URL: /udr/nf-common-component/v1/igw-prov/ocdiscardpolicies For payload, see PUT - OC Discard Policy .	Response is same as Request payload.

Table 5-5 (Cont.) Configuration APIs on Ingress Gateway for Overload Handling

HTTP Method	Sample Request REST URL	Sample Response
PATCH	igw-sig URL: /udr/nf-common-component/v1/igw-sig/ocdiscardpolicies igw-prov URL: /udr/nf-common-component/v1/igw-prov/ocdiscardpolicies <pre>[{ "name": "OCDP3", "scheme": "PercentageBased", "policies": [{ "value": 10, "action": "RejectWithErrorCode", "level": "Major", "errorCodeProfile": "error300" }], }, { "name": "OCDP1", "scheme": "PriorityBased", "policies": [{ "value": 30, "action": "RejectWithErrorCode", "level": "Minor", "errorCodeProfile": "error300" }, { "value": 20, "action": "RejectWithErrorCode", "level": "Critical", "errorCodeProfile": "error500" }] }]</pre>	200 OK

Table 5-5 (Cont.) Configuration APIs on Ingress Gateway for Overload Handling

HTTP Method	Sample Request REST URL	Sample Response
PATCH	igw-sig URL: /udr/nf-common-component/v1/igw-sig/ocdiscardpolicies igw-prov URL: /udr/nf-common-component/v1/igw-prov/ocdiscardpolicies <pre>[{ "name": "OCDP3", "scheme": "PercentageBased", "policies": [{ "value": 10, "action": "RejectWithErrorCode", "level": "Major", "errorCodeProfile": "error300" }] }, { "name": "OCDP1", "scheme": "PriorityBased", "policies": [{ "value": 30, "action": "RejectWithErrorCode", "level": "Minor", "errorCodeProfile": "error300" }, { "value": 20, "action": "RejectWithErrorCode", "level": "Critical", "errorCodeProfile": "error500" }] }]</pre>	200 OK

Table 5-5 (Cont.) Configuration APIs on Ingress Gateway for Overload Handling

HTTP Method	Sample Request REST URL	Sample Response
PUT	igw-sig URL: /udr/nf-common-component/v1/igw-sig/errorcodeprofiles igw-prov URL: /udr/nf-common-component/v1/igw-prov/errorcodeprofiles For payload, see PUT - Error Code Profiles .	Response is same as Request payload.
PATCH	igw-sig URL: /udr/nf-common-component/v1/igw-sig/errorcodeprofiles igw-prov URL: /udr/nf-common-component/v1/igw-prov/errorcodeprofiles <pre>[{ "name": "error100", "errorCode": 100, "errorCause": "", "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": "" }]</pre>	200 OK Response is same as Request payload.
GET	igw-sig URL: /udr/nf-common-component/v1/igw-sig/errorcodeprofiles igw-prov URL: /udr/nf-common-component/v1/igw-prov/errorcodeprofiles <pre>[{ "name": "error100", "errorCode": 100, "errorCause": "", "errorTitle": "", "redirectURL": "", "retry-after": "", "errorDescription": "" }]</pre>	200 OK

Table 5-5 (Cont.) Configuration APIs on Ingress Gateway for Overload Handling

HTTP Method	Sample Request REST URL	Sample Response
PUT	igw-sig URL: /udr/nf-common-component/v1/igw-sig/routesconfiguration igw-prov URL: /udr/nf-common-component/v1/igw-prov/routesconfiguration For payload, see PUT - Routes Configuration .	Response is same as Request payload.
PUT	igw-sig URL: /udr/nf-common-component/v1/igw-sig/errorcodeserieslist igw-prov URL: /udr/nf-common-component/v1/igw-prov/errorcodeserieslist error code series <pre>[{ "id": "P1", "exceptionList": ["RequestTimeout", "ConnectionTimeout", "UnknownHostException", "NotFoundException"], "errorCodeSeries": [{ "errorSet": "5xx", "errorCodes": [503] }] }]</pre>	Response is same as Request payload.

Table 5-5 (Cont.) Configuration APIs on Ingress Gateway for Overload Handling

HTTP Method	Sample Request REST URL	Sample Response
PATCH	igw-sig URL: /udr/nf-common-component/v1/igw-sig/errorcodeserieslist igw-prov URL: /udr/nf-common-component/v1/igw-prov/errorcodeserieslist error code series <pre>[{ "id": "P1", "exceptionList": ["RequestTimeout", "ConnectionTimeout", "UnknownHostException", "NotFoundException"], "errorCodeSeries": [{ "errorSet": "4xx", "errorCodes": [400, 408] }, { "errorSet": "5xx", "errorCodes": [500, 503] }] }, { "id": "P2", "exceptionList": ["RequestTimeout", "ConnectionTimeout", "UnknownHostException", "NotFoundException"] }]</pre>	200 OK

Table 5-5 (Cont.) Configuration APIs on Ingress Gateway for Overload Handling

HTTP Method	Sample Request REST URL	Sample Response
	<pre>], "errorCodeSeries": [{ "errorSet": "4xx", "errorCodes": [400, 408] }] }] </pre>	

Table 5-6 Configuration APIs on perf-info for Overload Handling

HTTP Method	Sample Request REST URL	Sample Response
PUT	URL: /udr/nf-common-component/v1/perf-info/overloadLevelThreshold For payload, see PUT - Overload Threshold Configuration	Response is same as Request payload.

For more information about the Overload Handling configurable parameters, see *Oracle Communications Cloud Native Core Unified Data Repository Installation and Upgrade Guide*.

5.2.5 Configuration APIs for Rate Limit

This section describes the configuration APIs on Ingress Gateway for rate limiting feature.

Table 5-7 Configuration APIs on Ingress Gateway for Rate Limiting

HTTP Method	Sample Request REST URL	Sample Response	Notes
PUT	URL: http://<nudr-config-url:port>/udr/nf-common-component/v1/igw-sig/routesconfiguration routesconfiguration <pre>[{ "id": "traffic_mapping_http ", "rateLimiting": { "methods": [{ "name": "PATCH", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "GET", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 300, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "POST", "rate": 200, "rateLimitPolicy": "R1" }] } }]</pre>	routesconfiguration <pre>[{ "id": "traffic_mapping_http ", "rateLimiting": { "methods": [{ "name": "PATCH", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "GET", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 300, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "POST", "rate": 200, "rateLimitPolicy": "R1" }] } }]</pre>	Response is same as request

Table 5-7 (Cont.) Configuration APIs on Ingress Gateway for Rate Limiting

HTTP Method	Sample Request REST URL	Sample Response	Notes
	<pre> "POST", "rate": 200, "rateLimitPolicy": "R1" }] }, "failureReqCountError CodeSeriesId": "P1" }, { "id": "traffic_mapping_http _prov", "rateLimiting": { "methods": [{ "name": "PATCH", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "GET", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 300, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }] } </pre>	<pre> }, "failureReqCountError CodeSeriesId": "P1" }, { "id": "traffic_mapping_http _prov", "rateLimiting": { "methods": [{ "name": "PATCH", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "GET", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 300, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }] } </pre>	

Table 5-7 (Cont.) Configuration APIs on Ingress Gateway for Rate Limiting

HTTP Method	Sample Request REST URL	Sample Response	Notes
	<pre> }, { "name": "POST", "rate": 200, "rateLimitPolicy": "R1" }] }, "failureReqCountError CodeSeriesId": "P1" }, { "id": "traffic_mapping_http _group", "rateLimiting": { "methods": [{ "name": "GET", "rate": 1500, "rateLimitPolicy": "R1" }] }, "failureReqCountError CodeSeriesId": "P1" }, { "id": "traffic_mapping_http _group_prov", "rateLimiting": { "methods": [{ "name": "GET", "rate": 800, "rateLimitPolicy": "R1" }], { "name": "PUT", "rate": 200, "rateLimitPolicy": </pre>	<pre> "rateLimitPolicy": "R1" }] }, "failureReqCountError CodeSeriesId": "P1" }, { "id": "traffic_mapping_http _group", "rateLimiting": { "methods": [{ "name": "GET", "rate": 1500, "rateLimitPolicy": "R1" }] }, "failureReqCountError CodeSeriesId": "P1" }, { "id": "traffic_mapping_http _group_prov", "rateLimiting": { "methods": [{ "name": "GET", "rate": 800, "rateLimitPolicy": "R1" }], { "name": "PUT", "rate": 200, "rateLimitPolicy": </pre>	

Table 5-7 (Cont.) Configuration APIs on Ingress Gateway for Rate Limiting

HTTP Method	Sample Request REST URL	Sample Response	Notes
	<pre> { "name": "PUT", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }] }, "failureReqCountError CodeSeriesId": "P1" }, { "id": "traffic_mapping_http _slf_group_prov", "rateLimiting": { "methods": [{ "name": "GET", "rate": 800, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }] }, "failureReqCountError </pre>	<pre> "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }] }, "failureReqCountError CodeSeriesId": "P1" }, { "id": "traffic_mapping_http _slf_group_prov", "rateLimiting": { "methods": [{ "name": "GET", "rate": 800, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }] }, "failureReqCountError </pre>	

Table 5-7 (Cont.) Configuration APIs on Ingress Gateway for Rate Limiting

HTTP Method	Sample Request REST URL	Sample Response	Notes
	<pre>"rateLimitPolicy": "R1" }] }, "failureReqCountError CodeSeriesId": "P1" }]</pre>	<pre>CodeSeriesId": "P1" }]</pre>	

Table 5-7 (Cont.) Configuration APIs on Ingress Gateway for Rate Limiting

HTTP Method	Sample Request REST URL	Sample Response	Notes
PATCH	URL: http://<nudr-config svc IP>:<port>/udr/nf-common-component/v1/igw-sig/routesconfiguration routesconfiguration <pre>[{ "id": "traffic_mapping_http ", "rateLimiting": { "methods": [{ "name": "PATCH", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "GET", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 300, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }] } }]</pre>	routesconfiguration 200 OK	Possible error codes 400 Bad Request: Could not validate Json

Table 5-7 (Cont.) Configuration APIs on Ingress Gateway for Rate Limiting

HTTP Method	Sample Request REST URL	Sample Response	Notes
	<pre> }, { "name": "POST", "rate": 200, "rateLimitPolicy": "R1" }], }, { "failureReqCountError CodeSeriesId": "P1" }, { "id": "traffic_mapping_http _group", "rateLimiting": { "methods": [{ "name": "GET", "rate": 1500, "rateLimitPolicy": "R1" }], "failureReqCountError CodeSeriesId": "P1" }, { "id": "traffic_mapping_http _eir", "rateLimiting": { "methods": [{ </pre>		

Table 5-7 (Cont.) Configuration APIs on Ingress Gateway for Rate Limiting

HTTP Method	Sample Request REST URL	Sample Response	Notes
	<pre>"name": "GET", "rate": 1500, "rateLimitPolicy": "R1" }], "failureReqCountError CodeSeriesId": "P1" }]</pre>		

Table 5-7 (Cont.) Configuration APIs on Ingress Gateway for Rate Limiting

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	URL: http://<nudr-config svc IP>:<port>/udr/nf-common-component/v1/igw-sig/routesconfiguration routesconfiguration <pre>[{ "id": "traffic_mapping_http ", "rateLimiting": { "methods": [{ "name": "PATCH", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "GET", "rate": 200, "rateLimitPolicy": "R1" }, { "name": "PUT", "rate": 300, "rateLimitPolicy": "R1" }, { "name": "DELETE", "rate": 200, "rateLimitPolicy": "R1" }] } }]</pre>	routesconfiguration 200 OK	-

Table 5-7 (Cont.) Configuration APIs on Ingress Gateway for Rate Limiting

HTTP Method	Sample Request REST URL	Sample Response	Notes
	<pre> }, { "name": "POST", "rate": 200, "rateLimitPolicy": "R1" }], }, { "failureReqCountError CodeSeriesId": "P1" }, { "id": "traffic_mapping_http _group", "rateLimiting": { "methods": [{ "name": "GET", "rate": 1500, "rateLimitPolicy": "R1" }], "failureReqCountError CodeSeriesId": "P1" }, { "id": "traffic_mapping_http _eir", "rateLimiting": { "methods": [{ </pre>		

Table 5-7 (Cont.) Configuration APIs on Ingress Gateway for Rate Limiting

HTTP Method	Sample Request REST URL	Sample Response	Notes
	<pre> "name": "GET", "rate": 1500, "rateLimitPolicy": "R1" }], }, "failureReqCountError CodeSeriesId": "P1" }] </pre>		
PUT	URL: http://<nudr-config-url:port>/udr/nf-common-component/v1/igw-sig/routelevelratelimiting routelevelratelimiting <pre> { "enabled": true, "samplingPeriod": 1000, "rateLimitPolicies": [{ "name": "R1", "value": 24, "action": "RejectWithErrorCode" , "scheme": "PriorityBased", "errorCodeProfile": "error429" }] } </pre>	routelevelratelimiting <pre> { "enabled": true, "samplingPeriod": 1000, "rateLimitPolicies": [{ "name": "R1", "value": 24, "action": "RejectWithErrorCode" , "scheme": "PriorityBased", "errorCodeProfile": "error429" }] } </pre>	Response is same as request

Table 5-7 (Cont.) Configuration APIs on Ingress Gateway for Rate Limiting

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	URL: http://<nudr-config-url:port>/udr/nf-common-component/v1/igw-sig/routelevelratelimiting routelevelratelimiting <pre> { "enabled": true, "samplingPeriod": 1000, "rateLimitPolicies": [{ "name": "R1", "value": 24, "action": "RejectWithErrorCode" , "scheme": "PriorityBased", "errorCodeProfile": "error429" }] } </pre>	routelevelratelimiting 200 OK	-

Table 5-7 (Cont.) Configuration APIs on Ingress Gateway for Rate Limiting

HTTP Method	Sample Request REST URL	Sample Response	Notes
PUT	URL: http://<nudr-config-url:port>/udr/nf-common-component/v1/igw-sig/errorcodeprofiles errorcodeprofiles <pre>[{ "name": "error429", "errorCode": 429, "errorCause": "Too many reequests", "errorTitle": "Too many reequests", "redirectURL": "", "retry-after": "", "errorDescription": "Too many reequests" }]</pre>	errorcodeprofiles <pre>[{ "name": "error429", "errorCode": 429, "errorCause": "Too many reequests", "errorTitle": "Too many reequests", "redirectURL": "", "retry-after": "", "errorDescription": "Too many reequests" }]</pre>	Response is same as request

Table 5-8 Pod Protection by Rate Limiting Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
GET	http://<nudr-config-host>:<nudr-config-port>/udr/nf-common-component/v1/igw-sig/podProtectionByRateLimiting	<pre> 200 OK { "routes": [{ "id": 1, "path": "/nudr-group-id-map/**", "methods": ["GET"], "percentage": 100 }], "enabled": false, "fillRate": 2900, "defaultPriority": 24, "errorCodeProfile": "error429", "priorityHeaderName": "3gpp-Sbi-Message-Priority", "deniedRequestActions": [{ "id": 1, "action": "CONTINUE", "congestionLevel": 0 }, { "id": 2, "action": "CONTINUE", "congestionLevel": 1 }, { "id": 3, "action": "REJECT", "congestionLevel": 2, "errorCodeProfile": "error429" }] } </pre>

Table 5-8 (Cont.) Pod Protection by Rate Limiting Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
		<pre> "id": 4, "action": "REJECT", "congestionLevel": 3, "errorCodeProfile": "error503" }] }</pre>

Table 5-8 (Cont.) Pod Protection by Rate Limiting Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
PUT	<pre> http://<nudr-config- host>:<nudr-config- port>/udr/nf-common- component/v1/igw-sig/ podProtectionByRateLimiti ng { "routes": [{ "id": 1, "path": "/nudr- group-id-map/**", "methods": ["GET"], "percentage": 100 }], "enabled": false, "fillRate": 2900, "defaultPriority": 24, "errorCodeProfile": "error429", "priorityHeaderName": "3gpp-Sbi-Message- Priority", "deniedRequestActions": [{ "id": 1, "action": "CONTINUE", "congestionLevel": 0 }, { "id": 2, "action": "CONTINUE", "congestionLevel": 1 }, { "id": 3, "action": "REJECT", "congestionLevel": 2, </pre>	200 OK

Table 5-8 (Cont.) Pod Protection by Rate Limiting Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
	<pre>"errorCodeProfile": "error429" }, { "id": 4, "action": "REJECT", "congestionLevel": 3, "errorCodeProfile": "error503" }] }</pre>	

Table 5-8 (Cont.) Pod Protection by Rate Limiting Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
GET	http://<nudr-config-host>:<nudr-config-port>/udr/nf-common-component/v1/igw-sig/congestionConfig	<pre> 200 OK { "levels": [{ "name": "Normal", "value": 1, "resources": [{ "name": "CPU", "onset": 70, "abatement": 65 }], }, { "name": "Danger Of Congestion", "value": 2, "resources": [{ "name": "CPU", "onset": 80, "abatement": 75 }], }, { "name": "Congestion", "value": 3, "resources": [{ "name": "CPU", "onset": 90, "abatement": 85 }], }], }</pre>

Table 5-8 (Cont.) Pod Protection by Rate Limiting Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
		<pre>"refreshInterval": 500 }</pre>

Table 5-8 (Cont.) Pod Protection by Rate Limiting Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
PUT	<pre> http://<nudr-config-host>:<nudr-config-port>/udr/nf-common-component/v1/igw-sig/congestionConfig { "levels": [{ "name": "Normal", "value": 1, "resources": [{ "name": "CPU", "onset": 70, "abatement": 65 }] }, { "name": "Danger Of Congestion", "value": 2, "resources": [{ "name": "CPU", "onset": 80, "abatement": 75 }] }, { "name": "Congestion", "value": 3, "resources": [{ "name": "CPU", "onset": 90, "abatement": 85 </pre>	200 OK

Table 5-8 (Cont.) Pod Protection by Rate Limiting Configuration APIs

HTTP Method	Sample Request REST URL	Sample Response
	<pre> }] }, "refreshInterval": 500 } </pre>	

5.2.5.1 Default Configuration Details for Rate Limit

The default configuration details for rate limit are:

Important

The default deployment setup includes two Ingress Gateways and two DR pods. The following default rates are derived based on this deployment setup. If you want to scale up the pods, then adjust or configure the route rates accordingly. The route rates are available under routesconfiguration of <http://10.75.229.75:31187/udr/nf-common-component/v1/igw/routesconfiguration>.

- RouteId-Path - traffic_mapping_http - nudr-dr

Table 5-9 Method wise Rate Details

Method	Rate
GET	200
PUT	300
POST	200
PATCH	200
DELETE	200

- RouteId-Path - traffic_mapping_http_prov - nudr-dr-prov

Table 5-10 Method wise Rate Details

Method	Rate
GET	200
PUT	300
POST	200
PATCH	200
DELETE	200

- RouteId-Path - traffic_mapping_http_group - nudr-group-id-map

Table 5-11 Method wise Rate Details

Method	Rate
GET	1350

- Routeld-Path - traffic_mapping_http_group_prov - nudr-group-id-map-prov

Table 5-12 Method wise Rate Details

Method	Rate
GET	800
PUT	200
DELETE	200

- Routeld-Path - traffic_mapping_http_slf_group_prov - slf-group-prov

Table 5-13 Method wise Rate Details

Method	Rate
GET	800
PUT	200
DELETE	200

5.3 Configuration APIs for Configurations Import and Export

The following table describes the configuration APIs for Configurations Import:

Table 5-14 Configuration APIs for Configurations Import

HTTP Method	Sample Request REST URL	Sample Response	Notes
POST	URL: http:// 10.75.229.157:31725/ nudr-config/v1/ import	Result Code: 201 Created Payload Import resource id: 552a4328-21ec-43aa- a460-58ce1df407ae	This is the first step to initiate import.
GET	URL : http:// 10.75.229.157:31725/ nudr-config/v1/ import	Result Code: 200 OK Payload 552a4328-21ec-43aa- a460-58ce1df407ae	This API is to get the existing import id. 404 Not Found 500 Internal Server Error

Table 5-14 (Cont.) Configuration APIs for Configurations Import

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	URL: http:// 10.75.229.157:31725/ nudr-config/v1/ import/ 552a4328-21ec-43aa- a460-58ce1df407ae/ status Import resource id: 552a4328-21ec-43aa- a460-58ce1df407ae	Result Code: 200 OK Payload <pre>{ "status": "DONE", "importResourceId": "c0ec965a-5d9f-4799- b47f-768a23561ae2", "createTimeStamp": "2021-07-16T09:06:17Z", "percentage": "100", "progress": "12 / 12 M0(s) completed", "result": "PARTIAL_SUCCESS" }</pre>	This is the second step. Keep calling this API until "percentage": "100"

Table 5-14 (Cont.) Configuration APIs for Configurations Import

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	URL: http:// 10.75.229.157:31725/ nudr-config/v1/ import/ 552a4328-21ec-43aa- a460-58ce1df407ae/ report Import resource id: 552a4328-21ec-43aa- a460-58ce1df407ae	Result Code: 200 OK Payload <pre> { "report": [{ "name": "Alternate Route Logging", "status": "1 / 1 records imported successfully." }, { "name": "Diameter service", "status": "1 / 1 records imported successfully." }, { "name": "Notify Logging", "status": "1 / 1 records imported successfully." }, { "name": "Egressgateway Logging", "status": "1 / 1 records imported successfully." }, { "name": "Notify Service", "status": "1 / 1 records imported successfully." }] } </pre>	This is the third step. This API gives complete import report.

Table 5-14 (Cont.) Configuration APIs for Configurations Import

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre> { "name":"Ingressgateway Logging", "status":"1 / 1 records imported successfully." }, { "name":"Data Repository Service", "status":"INTERNAL_SERVER_ERROR" }, { "name":"Global Configurations", "status":"METHOD_NOT_ALLOWED" }, { "name":"Access Token Validation", "status":"1 / 1 records imported successfully." }, { "name":"Diameter Service Logging", "status":"1 / 1 records imported successfully." }, { "name":"DR Service Logging", "status":"1 / 1 records imported </pre>	

Table 5-14 (Cont.) Configuration APIs for Configurations Import

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre> successfully." }] } </pre>	

The following table describes the configuration APIs for Configurations Export.

Table 5-15 Configuration APIs for Configurations Export

HTTP Method	Sample Request REST URL	Sample Response	Notes
POST	- To export all services: http://<nudr-config svc IP>:<port>/nudr-config/v1/export - To export selective services: http://<nudr-config svc IP>:<port>/nudr-config/v1/export/?managedObjects=Access%20Token%20Validation%20Provisioning,Access%20Token%20Validation%20Signaling,Global%20Configurations,Logging%20Level,Data%20Repository%20Service,Notify%20Service	Result Code: 201 Created Payload Export resource id: 3e470fab-e131-4dbe-be67-ba7391729254	This is the first step to initiate export.
GET	To export all services : http://10.75.229.157:31725/nudr-config/v1/export	Result Code: 200 OK Payload 3e470fab-e131-4dbe-be67-ba7391729254	This API is to get the existing export id. Possible error codes 404 Not Found 500 Internal Server Error

Table 5-15 (Cont.) Configuration APIs for Configurations Export

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	URI: http:// 10.75.229.157:31725/ nudr-config/v1/ export/3e470fab- e131-4dbe-be67- ba7391729254/status Export resource id: 3e470fab- e131-4dbe-be67- ba7391729254	Result Code: 200 OK Payload <pre>{ "status": "DONE", "exportResourceId": "2337e6d8- f17e-46f9-9992-4ab4b0 903b3d", "createTimeStamp": "2021-07-16T14:13:44Z", "percentage": "100", "result": "PARTIAL_SUCCESS" }</pre>	This is the second step. Keep calling this API until "percentage": "100".

Table 5-15 (Cont.) Configuration APIs for Configurations Export

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	URI: http:// 10.75.229.157:31725/ nudr-config/v1/ export/3e470fab- e131-4dbe-be67- ba7391729254/report Export resource id: 3e470fab- e131-4dbe-be67- ba7391729254	Result Code: 200 OK Payload <pre> { "report": [{ "name": "Access Token Validation", "status": "1 records exported successfully" }, { "name": "Global Configurations", "status": "1 records exported successfully" }, { "name": "Data Repository Service", "status": "1 records exported successfully" }, { "name": "Notify Service", "status": "1 records exported successfully" }, { "name": "NRF Client service", "status": "NOT_FOUND" }, { "name": "Diameter service", "status": "1 records exported successfully" }] } </pre>	This is the third step. This API gives complete export report.

Table 5-15 (Cont.) Configuration APIs for Configurations Export

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre> }, { "name": "DR Service Logging", "status": "1 records exported successfully" }, { "name": "Notify Logging", "status": "1 records exported successfully" }, { "name": "Diameter Service Logging", "status": "1 records exported successfully" }, { "name": "Ondemand Logging", "status": "NOT_FOUND" }, { "name": "NRF Client Logging", "status": "NOT_FOUND" }, { "name": "Ingressgatewa y Logging", "status": "1 records exported successfully" }, { "name": "Egressgateway Logging", </pre>	

Table 5-15 (Cont.) Configuration APIs for Configurations Export

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre> "status": "1 records exported successfully" }, { "name": "Alternate Route Logging", "status": "1 records exported successfully" }] } </pre>	
GET	URI: http:// 10.75.229.157:31725/ nuds-config/v1/ export/3e470fab- e131-4dbe-be67- ba7391729254/ download Export resource id: 3e470fab- e131-4dbe-be67- ba7391729254	Result Code: 200 OK exportedFiles_ 1.12.0_20210706080247.zip	This is the fourth step. This API is used to download exported zip file.

5.4 Configuration APIs for Loglevel

This section describes the configuration APIs for loglevel.

Table 5-16 Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	URI: http:// 10.75.229.168:32310/ nudr-config/v1/nudr- drservice/logging	Result Code: 200 OK Payload <pre> { "appLogLevel": "WARN", "packageLogLevel": [{ "packageName": "jetty", "logLevelForPackage": "WARN" }, { "packageName": "micronaut", "logLevelForPackage": "WARN" }, { "packageName": "root", "logLevelForPackage": "WARN" }], "logSubscriberInfo": "DISABLED", "additionalErrorLoggi ng": "DISABLED" } </pre>	NA

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	http:// 10.75.229.168:32310/ nudr-config/v1/nudr- notify-service/ logging	Result Code: 200 OK Payload <pre> { "appLogLevel": "WARN", "packageLogLevel": [{ "packageName": "jetty", "logLevelForPackage": "WARN" }, { "packageName": "micronaut", "logLevelForPackage": "WARN" }, { "packageName": "root", "logLevelForPackage": "WARN" }], "logSubscriberInfo": "DISABLED", "additionalErrorLoggi ng": "DISABLED" } </pre>	NA

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	http:// 10.75.229.168:32310/ nudr-config/v1/nudr- diameterproxy/ logging	Result Code: 200 OK Payload <pre> { "appLogLevel": "WARN", "packageLogLevel": [{ "packageName": "jetty", "logLevelForPackage": "WARN" }, { "packageName": "micronaut", "logLevelForPackage": "WARN" }, { "packageName": "root", "logLevelForPackage": "WARN" }], "logSubscriberInfo": "DISABLED", "additionalErrorLoggi ng": "DISABLED" } </pre>	NA

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	http:// 10.75.229.168:32310/ nudr-config/v1/diam- gateway/logging	Result Code: 200 OK Payload <pre> { "appLogLevel": "WARN", "packageLogLevel": [{ "packageName": "jetty", "logLevelForPackage": "WARN" }, { "packageName": "micronaut", "logLevelForPackage": "WARN" }, { "packageName": "root", "logLevelForPackage": "WARN" }], "logSubscriberInfo": "DISABLED", "additionalErrorLoggi ng": "DISABLED" } </pre>	NA

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	http:// 10.75.229.168:32527/ udr/nf-common- component/v1/igw- sig/logging	Result Code: 200 OK Payload <pre> { "appLogLevel": "DEBUG", "packageLogLevel": [{ "packageName": "root", "logLevelForPackage": "DEBUG" }, { "packageName": "oauth", "logLevelForPackage": "DEBUG" }] } </pre>	NA

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	http:// 10.75.229.168:32527/ udr/nf-common- component/v1/igw- prov/logging	Result Code: 200 OK Payload <pre>{ "appLogLevel": "DEBUG", "packageLogLevel": [{ "packageName": "root", "logLevelForPackage": "DEBUG" }, { "packageName": "oauth", "logLevelForPackage": "DEBUG" }] }</pre>	NA

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	http:// 10.75.229.168:32527/ udr/nf-common- component/v1/egw/ logging	Result Code: 200 OK Payload <pre>{ "appLogLevel": "DEBUG", "packageLogLevel": [{ "packageName": "root", "logLevelForPackage": "DEBUG" }, { "packageName": "oauth", "logLevelForPackage": "DEBUG" }] }</pre>	NA
GET	http:// 10.75.229.168:32527/ udr/nf-common- component/v1/alt- route/logging	Result Code: 200 OK Payload <pre>{ "appLogLevel": "DEBUG", "packageLogLevel": [{ "packageName": "root", "logLevelForPackage": "DEBUG" }] }</pre>	NA

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	http:// 10.75.229.168:32527/ udr/nf-common- component/v1/nrf- client-nfmanagement/ logging	200 OK Response { "appLogLevel": "INFO", "packageLogLevel": [{ "logLevelForPackage": "INFO", "packageName": "root" }] }	• 404 NOT Found • 400 BAD REQUEST

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	http:// 10.75.229.168:31867/ nudr-config/v1/all/ logging	Result Code: 200 OK Payload <pre>[{"ingress-gateway- prov":{"appLogLevel \":"WARN\","additio nalErrorLogging\":"nul l","logSubscriberInfo \":"null","packageLogL evel\":" [{"packageName\":"r oot\","logLevelForPa ckage\":"WARN"}, {"packageName\":"oa uth\","logLevelForPa ckage\":"WARN"}]}, "nudr-notify- service":{"packageL ogLevel\":" [{"packageName\":"j etty\","logLevelForP ackage\":"WARN"}, {"packageName\":"mi cronaut\","logLevelF orPackage\":"WARN"} , {"packageName\":"ro ot\","logLevelForPac kage\":"WARN"},\l ogSubscriberInfo\":" DISABLED\","appLogLe vel\":"WARN\","addi tionalErrorLogging\":" DISABLED"}}, "app- info":{"appLogLevel \":"WARN\","additio nalErrorLogging\":"nul l","logSubscriberInfo \":"null"},"diam- gateway":{"packageL ogLevel\":" [{"packageName\":"j etty\","logLevelForP ackage\":"WARN"}, {"packageName\":"mi cronaut\","logLevelF orPackage\":"WARN"} , {"packageName\":"ro ot\","logLevelForPac</pre>	NA

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre> kage\":"WARN\"}],\ logSubscriberInfo\":" DISABLED\","appLogLe vel\":"INFO\","addi tionalErrorLogging\":" \":"DISABLED\"},"nrf- client- nfmanagement":{"\ app LogLevel\":"WARN\"," additionalErrorLoggi ng\":null,\ logSubscr iberInfo\":null,\ packageLogLevel\":" [{\ packageName\":"r oot\","logLevelForPa ckage\":"WARN\"}]}", "ingress-gateway- sig":{"\ appLogLevel\ \":"WARN\","addition alErrorLogging\":null ,\ logSubscriberInfo\ \":null,\ packageLogLe vel\":" [{\ packageName\":"r oot\","logLevelForPa ckage\":"WARN\"}, {\ packageName\":"oa uth\","logLevelForPa ckage\":"WARN\"}]}", "nudr-dr- provservice":{"\ packageLogLevel\":" [{\ packageName\":"j etty\","logLevelForP ackage\":"WARN\"}, {\ packageName\":"mi cronaut\","logLevelF orPackage\":"WARN\"} , {\ packageName\":"ro ot\","logLevelForPac kage\":"WARN\"}],\ logSubscriberInfo\":" DISABLED\","appLogLe vel\":"WARN\","addi tionalErrorLogging\":" \":"DISABLED\"},"nudr- config":{"\ packageLo gLevel\":" </pre>	

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre>[{"packageName":"jetty","logLevelForPackage":"WARN"}, {"packageName":"micronaut","logLevelForPackage":"WARN"} , {"packageName":"root","logLevelForPackage":"WARN"}], "logSubscriberInfo":"DISABLED","appLogLevel":"WARN","additionalErrorLogging":"DISABLED"},"egress- gateway":{"appLogLevel":"WARN","additionalErrorLogging":null,"logSubscriberInfo":null,"packageLogLevel": [{"packageName":"root","logLevelForPackage":"WARN"}, {"packageName":"oauth","logLevelForPackage":"WARN"}]}", "perf- info":{"appLogLevel":"WARN","additionalErrorLogging":null,"logSubscriberInfo":null},"nudr- diameterproxy":{"packageLogLevel": [{"packageName":"jetty","logLevelForPackage":"WARN"}, {"packageName":"micronaut","logLevelForPackage":"WARN"} , {"packageName":"root","logLevelForPackage":"WARN"}], "logSubscriberInfo":"DISABLED","appLogLevel":"WARN","addi</pre>	

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre> tionalErrorLogging\":" \":"DISABLED\"}", "alter nate- route":{"\"appLogLeve l\":"WARN\","additi onalErrorLogging\":"nu ll,\"logSubscriberInf o\":"null,\"packageLog Level\":" [{"packageName\":"\"r oot\","logLevelForPa ckage\":"WARN\"}]]", "nuds- drservice":{"\"packag eLogLevel\":" [{"packageName\":"\"j etty\","logLevelForP ackage\":"WARN\"}, {"packageName\":"\"mi cronaut\","logLevelF orPackage\":"WARN\"} , {"packageName\":"\"ro ot\","logLevelForPac kage\":"WARN\"}]],\"l ogSubscriberInfo\":"\" DISABLED\","appLogLe vel\":"WARN\","addi tionalErrorLogging\":" \":"DISABLED\"}"]]</pre>	

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	http:// 10.75.229.168:32310/ nudr-config/v1/nudr- dr-provservice/ logging	Result Code: 200 OK <pre>{ "appLogLevel": "WARN", "packageLogLevel": [{ "packageName": "jetty", "logLevelForPackage": "WARN" }, { "packageName": "micronaut", "logLevelForPackage": "WARN" }, { "packageName": "root", "logLevelForPackage": "WARN" }], "logSubscriberInfo": "DISABLED", "additionalErrorLoggi ng": "DISABLED" }</pre>	NA

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	http:// 10.75.229.168:32310/ nudr-config/v1/nudr- bulk-import/logging	Result Code: 200 OK <pre>{ "appLogLevel": "DEBUG", "packageLogLevel": [{ "packageName": "micronaut", "logLevelForPackage": "WARN" }, { "packageName": "root", "logLevelForPackage": "WARN" }], "logSubscriberInfo": "DISABLED", "additionalErrorLoggi ng": "DISABLED" }</pre>	NA

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	http:// 10.75.229.168:32310/ nudr-config/v1/nudr- export-tool/logging	200 Created Payload <pre>{ "appLogLevel": "WARN", "packageLogLevel": [{ "packageName": "jetty", "logLevelForPackage": "WARN" }, { "packageName": "micronaut", "logLevelForPackage": "WARN" }, { "packageName": "root", "logLevelForPackage": "WARN" }], "logSubscriberInfo": "DISABLED", "additionalErrorLoggi ng": "DISABLED" }</pre>	NA

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	http:// 10.75.180.253:30601/ nudr-config/v1/nudr- config/logging	<pre> 200 Created Payload { "packageLogLevel": [{ "packageName": "jetty", "logLevelForPackage": "WARN" }, { "packageName": "micronaut", "logLevelForPackage": "WARN" }, { "packageName": "root", "logLevelForPackage": "DEBUG" }], "appLogLevel": "WARN", "logSubscriberInfo": "DISABLED", "additionalErrorLoggi ng": "DISABLED" } </pre>	NA

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
PUT	URI: http:// 10.75.229.168:32310/ nudr-config/v1/nudr- drservice/logging	201 Created Payload <pre> { "appLogLevel": "WARN", "packageLogLevel": [{ "packageName": "jetty", "logLevelForPackage": "WARN" }, { "packageName": "micronaut", "logLevelForPackage": "WARN" }, { "packageName": "root", "logLevelForPackage": "WARN" }], "logSubscriberInfo": "DISABLED", "additionalErrorLoggi ng": "DISABLED" } </pre>	400 Bad Request: Schema validation failed

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
PUT	http:// 10.75.229.168:32310/ nudr-config/v1/nudr- notify-service/ logging	201 Created Payload <pre> { "appLogLevel": "WARN", "packageLogLevel": [{ "packageName": "jetty", "logLevelForPackage": "WARN" }, { "packageName": "micronaut", "logLevelForPackage": "WARN" }, { "packageName": "root", "logLevelForPackage": "WARN" }], "logSubscriberInfo": "DISABLED", "additionalErrorLoggi ng": "DISABLED" } </pre>	400 Bad Request: Schema validation failed

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
PUT	http:// 10.75.229.168:32310/ nudr-config/v1/nudr- diameterproxy/ logging	201 Created Payload <pre>{ "appLogLevel": "WARN", "packageLogLevel": [{ "packageName": "jetty", "logLevelForPackage": "WARN" }, { "packageName": "micronaut", "logLevelForPackage": "WARN" }, { "packageName": "root", "logLevelForPackage": "WARN" }], "logSubscriberInfo": "DISABLED", "additionalErrorLoggi ng": "DISABLED" }</pre>	400 Bad Request: Schema validation failed

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
PUT	http://10.75.229.168:32310/nudr-config/v1/diam-gateway/logging	<pre> 201 Created Payload { "appLogLevel": "WARN", "packageLogLevel": [{ "packageName": "jetty", "logLevelForPackage": "WARN" }, { "packageName": "micronaut", "logLevelForPackage": "WARN" }, { "packageName": "root", "logLevelForPackage": "WARN" }], "logSubscriberInfo": "DISABLED", "additionalErrorLoggi ng": "DISABLED" } </pre>	400 Bad Request: Schema validation failed

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
PUT	http:// 10.75.229.168:32527/ udr/nf-common- component/v1/igw- sig/logging	200 OK Payload <pre>{ "appLogLevel": "DEBUG", "packageLogLevel": [{ "packageName": "root", "logLevelForPackage": "DEBUG" }, { "packageName": "oauth", "logLevelForPackage": "DEBUG" }] }</pre>	404 Not Found

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
PUT	http:// 10.75.229.168:32527/ udr/nf-common- component/v1/igw- prov/logging	200 OK Payload <pre> { "appLogLevel": "DEBUG", "packageLogLevel": [{ "packageName": "root", "logLevelForPackage": "DEBUG" }, { "packageName": "oauth", "logLevelForPackage": "DEBUG" }] }</pre>	404 Not Found

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
PUT	http:// 10.75.229.168:32527/ udr/nf-common- component/v1/egw/ logging	200 OK Payload <pre>{ "appLogLevel": "DEBUG", "packageLogLevel": [{ "packageName": "root", "logLevelForPackage": "DEBUG" }, { "packageName": "oauth", "logLevelForPackage": "DEBUG" }] }</pre>	404 Not Found
PUT	http:// 10.75.229.168:32527/ udr/nf-common- component/v1/alt- route/logging	200 OK Payload <pre>{ "appLogLevel": "DEBUG", "packageLogLevel": [{ "packageName": "root", "logLevelForPackage": "DEBUG" }] }</pre>	404 Not Found

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
PUT	http://10.75.229.168:32527/udr/nf-common-component/v1/nrf-client-nfmanagement/logging	200 OK Response <pre>{ "appLogLevel": "INFO", "packageLogLevel": [{ "logLevelForPackage": "INFO", "packageName": "root" }]}</pre>	• 404 NOT FOUND • 400 BAD REQUEST

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
PUT	http://10.75.229.168:32310/nudr-config/v1/nudr-dr-provservice/logging	201 created Payload <pre> { "appLogLevel": "WARN", "packageLogLevel": [{ "packageName": "jetty", "logLevelForPackage": "WARN" }, { "packageName": "micronaut", "logLevelForPackage": "WARN" }, { "packageName": "root", "logLevelForPackage": "WARN" }], "logSubscriberInfo": "DISABLED", "additionalErrorLoggi ng": "DISABLED" } </pre>	• 404 NOT FOUND • 400 BAD REQUEST

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
PUT	http:// 10.75.229.168:32310/ nudr-config/v1/nudr- bulk-import/logging	201 created Payload <pre>{ "appLogLevel": "WARN", "packageLogLevel": [{ "packageName": "jetty", "logLevelForPackage": "WARN" }, { "packageName": "micronaut", "logLevelForPackage": "WARN" }, { "packageName": "root", "logLevelForPackage": "WARN" }], "logSubscriberInfo": "DISABLED", "additionalErrorLoggi ng": "DISABLED" }</pre>	• 404 NOT FOUND • 400 BAD REQUEST

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
PUT	http:// 10.75.229.168:32310/ nudr-config/v1/nudr- export-tool/logging	201 created Payload <pre>{ "appLogLevel": "DEBUG", "packageLogLevel": [{ "packageName": "micronaut", "logLevelForPackage": "WARN" }, { "packageName": "root", "logLevelForPackage": "WARN" }], "logSubscriberInfo": "DISABLED", "additionalErrorLoggi ng": "DISABLED" }</pre>	• 404 NOT FOUND • 400 BAD REQUEST

Table 5-16 (Cont.) Configuration APIs for Loglevel

HTTP Method	Sample Request REST URL	Sample Response	Notes
PUT	http:// 10.75.180.253:30601/ nudr-config/v1/nudr- config/logging	201 created Payload <pre>{ "appLogLevel": "DEBUG", "packageLogLevel": [{ "packageName": "jetty", "logLevelForPackage": "WARN" }, { "packageName": "micronaut", "logLevelForPackage": "WARN" }, { "packageName": "root", "logLevelForPackage": "DEBUG" }], "logSubscriberInfo": "DISABLED", "additionalErrorLoggi ng": "DISABLED" }</pre>	• 404 NOT FOUND • 400 BAD REQUEST

5.5 Configuration APIs for Backend Pod Protection

Nudr-drservice

Table 5-17 Nudr-drservice

Operation Type	Request	Response	Notes
GET	URI : http://<nudr-config-url>:<port>/nudr-config/v1/nudr-drservice/podProtectionByRateLimiting	Result Code: 200 OK Payload: <pre>{ "routes": [{ "path": "/nudr-group-id-map/**", "methods": ["GET"], "percentage": 100, "id": "1" }], "defaultPriority" : 24, "bucketAllocation" : 25, "fillRate": 4100, "congestionErrorC ode": "ERROR_429", "priorityHeaderNa me": "3gpp-Sbi- Message- Priority", "deniedRequestAct ions": [{ "congestionLevel" : 0,</pre>	404 NOT FOUND 400 BAD REQUEST

Table 5-17 (Cont.) Nudr-drservice

Operation Type	Request	Response	Notes
		<pre>"action": "CONTINUE", "id": 1 }, { "congestionLevel" : 1, "action": "REJECT", "congestionErrorC ode": "ERROR_429", "id": 2 }, { "congestionLevel" : 2, "action": "REJECT", "congestionErrorC ode": "ERROR_503", "id": 3 }], "enabled": true }</pre>	

Table 5-17 (Cont.) Nudr-drservice

Operation Type	Request	Response	Notes
PUT	URI : http://<nudr-config-url>:<port>/nudr-config/v1/nudr-drservice/podProtectionByRateLimiting Payload: <pre> { "routes": [{ "path": "/nudr-group-id-map/**", "methods": ["GET"], "percentage": 100, "id": "1" }], "defaultPriority": 24, "bucketAllocation": 25, "fillRate": 4100, "congestionErrorCode": "ERROR_429", "priorityHeaderName": "3gpp-Sbi-Message-Priority", "deniedRequestActions": [{ "congestionLevel": 0, </pre>	201 Created	400 Bad Request: Schema validation failed

Table 5-17 (Cont.) Nudr-drservice

Operation Type	Request	Response	Notes
	<pre>"action": "CONTINUE", "id": 1 }, { "congestionLevel" : 1, "action": "REJECT", "congestionErrorC ode": "ERROR_429", "id": 2 }, { "congestionLevel" : 2, "action": "REJECT", "congestionErrorC ode": "ERROR_503", "id": 3 }], "enabled": true }</pre>		

Table 5-17 (Cont.) Nudr-drservice

Operation Type	Request	Response	Notes
GET	URI : http://<nudr-config-url>:<port>/nudr-config/v1/nudr-drservice/congestionConfig	Result Code: 200 OK Payload: <pre>{ "routes": [{ "path": "/nudr-group-id-map/**", "methods": ["GET"], "percentage": 100, "id": "1" }], "defaultPriority": 24, "bucketAllocation": 25, "fillRate": 4100, "congestionErrorCode": "ERROR_429", "priorityHeaderName": "3gpp-Sbi-Message-Priority", "deniedRequestActions": [{ "congestionLevel": 0, "action": "CONTINUE", "id": 1 }] }</pre>	<pre>{ "refreshInterval": 500, "levels": [{ "name": "Danger Of Congestion", "resources": [{ "name": "CPU", "onset": 75, "abatement": 70 }], "value": 1 }], "resources": [{ "name": "Congestion", "resources": [{ </pre>

Table 5-17 (Cont.) Nudr-drservice

Operation Type	Request	Response	Notes
		<pre> }, { "congestionLevel" : 1, "action": "REJECT", "congestionErrorC ode": "ERROR_429", "id": 2 }, { "congestionLevel" : 2, "action": "REJECT", "congestionErrorC ode": "ERROR_503", "id": 3 }], "enabled": true }</pre>	<pre> "name": "CPU", "onset": 85, "abatement": 80 }], "value": 2 }] } }</pre>

Table 5-17 (Cont.) Nudr-drservice

Operation Type	Request	Response	Notes
PUT	URI : http://<nudr-config-url>:<port>/nudr-config/v1/nudr-drservice/congestionConfig Payload: <pre>{ "refreshInterval": 500, "levels": [{ "name": "Danger Of Congestion", "resources": [{ "name": "CPU", "onset": 75, "abatement": 70 }], "value": 1 }, { "name": "Congestion", "resources": [{ "name": "CPU", "onset": 85, "abatement": 80 }], "value": 2 }] }</pre>	201 Created	400 Bad Request: Schema validation failed

Table 5-17 (Cont.) Nudr-drservice

Operation Type	Request	Response	Notes
	<pre>] }</pre>		

Nudr-prov-service

Table 5-18 Nudr-prov-service

Operation Type	Request	Response	Notes
GET	URI : http://<nudr-config-url>:<port>/nudr-config/v1/nudr-dr-provservice/podProtectionByRateLimiting	Result Code: 200 OK Payload: <pre>{ "routes": [{ "path": "/nudr-group-id-map-prov/**", "methods": ["GET", "PUT", "DELETE"], "percentage": 100, "id": "1" }], "defaultPriority": 24, "bucketAllocation": 25, "fillRate": 900, "congestionErrorCode": "ERROR_429", "priorityHeaderName": "3gpp-Sbi-Message-Priority", "deniedRequestActions": [{</pre>	404 NOT FOUND 400 BAD REQUEST

Table 5-18 (Cont.) Nudr-prov-service

Operation Type	Request	Response	Notes
		<pre>"congestionLevel" : 0, "action": "CONTINUE", "id": 1 }, { "congestionLevel" : 1, "action": "REJECT", "congestionErrorC ode": "ERROR_429", "id": 2 }, { "congestionLevel" : 2, "action": "REJECT", "congestionErrorC ode": "ERROR_503", "id": 3 }], "enabled": true }</pre>	

Table 5-18 (Cont.) Nudr-prov-service

Operation Type	Request	Response	Notes
PUT	URI : http://<nudr-config-url>:<port>/nudr-config/v1/nudr-dr-provservice/podProtectionByRateLimiting Payload: <pre> { "routes": [{ "path": "/nudr-group-id-map-prov/**", "methods": ["GET", "PUT", "DELETE"], "percentage": 100, "id": "1" }], "defaultPriority": 24, "bucketAllocation": 25, "fillRate": 900, "congestionErrorCode": "ERROR_429", "priorityHeaderName": "3gpp-Sbi-Message-Priority", "deniedRequestAct </pre>	201 Created	404 NOT FOUND 400 BAD REQUEST

Table 5-18 (Cont.) Nudr-prov-service

Operation Type	Request	Response	Notes
	<pre> ions": [{ "congestionLevel" : 0, "action": "CONTINUE", "id": 1 }, { "congestionLevel" : 1, "action": "REJECT", "congestionErrorC ode": "ERROR_429", "id": 2 }, { "congestionLevel" : 2, "action": "REJECT", "congestionErrorC ode": "ERROR_503", "id": 3 }], "enabled": true } </pre>		

Table 5-18 (Cont.) Nudr-prov-service

Operation Type	Request	Response	Notes
GET	URI : http://<nudr-config-url>:<port>/nudr-config/v1/nudr-dr-provservice/congestionConfig	Result Code: 200 OK Payload: <pre> { "refreshInterval" : 500, "levels": [{ "name": "Danger Of Congestion", "resources": [{ "name": "CPU", "onset": 75, "abatement": 70 }], "value": 1 }, { "name": "Congestion", "resources": [{ "name": "CPU", "onset": 85, "abatement": 80 }], "value": 2 }] } </pre>	404 NOT FOUND 400 BAD REQUEST

Table 5-18 (Cont.) Nudr-prov-service

Operation Type	Request	Response	Notes
404 NOT FOUND 400 BAD REQUEST	URI : http://<nudr-config- url>:<port>/nudr- config/v1/nudr-dr- provservice/ congestionConfig Payload: <pre>{ "refreshInterval" : 500, "levels": [{ "name": "Danger Of Congestion", "resources": [{ "name": "CPU", "onset": 75, "abatement": 70 }], "value": 1 }, { "name": "Congestion", "resources": [{ "name": "CPU", "onset": 85, "abatement": 80 }], "value": 2 }] }</pre>	201 Created	404 NOT FOUND 400 BAD REQUEST

Table 5-18 (Cont.) Nudr-prov-service

Operation Type	Request	Response	Notes
	<pre>] }</pre>		

Notify-service

Table 5-19 Notify-service

Operation Type	Request	Response	Notes
GET	http://<nudr-config-url>:<port>/nudr-config/v1/nudr-notify-service/podProtectionByRateLimiting	Result Code: 200OK Payload: <pre>{ "routes": [{ "path": "/nudr-notify/**", "methods": ["POST"], "percentage": 100, "id": "1" }], "defaultPriority": 24, "bucketAllocation": 25, "fillRate": 3100, "congestionErrorCode": "ERROR_429", "priorityHeaderName": "3gpp-Sbi-Message-Priority", "deniedRequestActions": [{ "congestionLevel": 0, "action": "CONTINUE", </pre>	404 NOT FOUND 400 BAD REQUEST

Table 5-19 (Cont.) Notify-service

Operation Type	Request	Response	Notes
		<pre>"id": 1 }, { "congestionLevel" : 1, "action": "REJECT", "congestionErrorC ode": "ERROR_429", "id": 2 }, { "congestionLevel" : 2, "action": "REJECT", "congestionErrorC ode": "ERROR_503", "id": 3 }], "enabled": true }</pre>	

Table 5-19 (Cont.) Notify-service

Operation Type	Request	Response	Notes
PUT	URL: http://10.75.229.168:32310/nudr-config/v1/nudr-notify-service/podProtectionByRateLimiting Payload: <pre> { "routes": [{ "path": "/nudr-notify/**", "methods": ["POST"], "percentage": 100, "id": "1" }], "defaultPriority": 24, "bucketAllocation": 25, "fillRate": 3100, "congestionErrorCode": "ERROR_429", "priorityHeaderName": "3gpp-Sbi-Message-Priority", "deniedRequestActions": [{ "congestionLevel": 0, </pre>	201 Created	400 Bad Request: Schema validation failed

Table 5-19 (Cont.) Notify-service

Operation Type	Request	Response	Notes
	<pre>"action": "CONTINUE", "id": 1 }, { "congestionLevel" : 1, "action": "REJECT", "congestionErrorC ode": "ERROR_429", "id": 2 }, { "congestionLevel" : 2, "action": "REJECT", "congestionErrorC ode": "ERROR_503", "id": 3 }], "enabled": true }</pre>		

Table 5-19 (Cont.) Notify-service

Operation Type	Request	Response	Notes
GET	URL: http://<nudr-config-url>:<port>/nudr-config/v1/nudr-notify-service/congestionConfig	Result Code: 200OK Payload: <pre> { "refreshInterval" : 500, "levels": [{ "name": "Danger Of Congestion", "resources": [{ "name": "CPU", "onset": 75, "abatement": 70 }], "value": 1 }, { "name": "Congestion", "resources": [{ "name": "CPU", "onset": 85, "abatement": 80 }], "value": 2 }] } </pre>	404 NOT FOUND 400 BAD REQUEST

Table 5-19 (Cont.) Notify-service

Operation Type	Request	Response	Notes
PUT	URL: http://10.75.229.168:32310/nudr-config/v1/nudr-notify-service/congestionConfig Payload: <pre>{ "refreshInterval": 500, "levels": [{ "name": "Danger Of Congestion", "resources": [{ "name": "CPU", "onset": 75, "abatement": 70 }], "value": 1 }, { "name": "Congestion", "resources": [{ "name": "CPU", "onset": 85, "abatement": 80 }], "value": 2 }] }</pre>	201 Created	400 Bad Request: Schema validation failed

Table 5-19 (Cont.) Notify-service

Operation Type	Request	Response	Notes
	<pre>] }</pre>		

5.6 Common Configurations Global

The following table describes the configuration APIs for SBI Message Priority Header

Table 5-20 Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	http://<nudr-config-svc>:<PORT>/udr/nf-common-component/v1/global-configuration/sbiserviceoperations	Result Code: 200 OK SLF Payload <pre>[{ "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_GetNfGroupIDs" }]</pre> EIR Payload: <pre>[{ "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "N5g-eir_GetEquipmentStatus" }]</pre> UDR Payload <pre>[{ "defaultPriority":</pre>	NA

Table 5-20 (Cont.) Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre> 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_ReadAccessAndMobilityPolicyData" }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_ReadSessionManagementPolicyData" }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_UpdateSessionManagementPolicyData" }, { </pre>	

Table 5-20 (Cont.) Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre> "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_CreateOrReplaceUEPolicySet" }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_ReadUEPolicySet" }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_UpdateUEPolicySet" }, { </pre>	

Table 5-20 (Cont.) Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre> "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_CreateUsageMonitoringResource" }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_ReadUsageMonitoringInformation" }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_DeleteUsageMonitoringInformation" </pre>	

Table 5-20 (Cont.) Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre> }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_ CreateIndividualPolicyDataSubscription" }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_ ReplaceIndividualPolicyDataSubscription" }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_ </pre>	

Table 5-20 (Cont.) Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre> DeleteIndividualPolicyDataSubscription" }, { "defaultPriority": 23, "initiatedRequestPriorityRule": "mapping_rule_2", "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": "Nudr_DM_Notify" }] </pre>	

Table 5-20 (Cont.) Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
PUT	http://<nudr-config-svc>:<PORT>/udr/nf-common-component/v1/global-configuration/sbiserviceoperations	Result Code: 200 OK SLF Payload <pre>[{ "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_GetNfGroupIDs" }]</pre> EIR Payload: <pre>[{ "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "N5g-eir_GetEquipmentStatus" }]</pre> UDR Payload <pre>[{ "defaultPriority":</pre>	Possible error codes 400 Bad Request : Could not validate Json

Table 5-20 (Cont.) Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre> 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_ReadAccessAndMobilityPolicyData" }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_ReadSessionManagementPolicyData" }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_UpdateSessionManagementPolicyData" }, { </pre>	

Table 5-20 (Cont.) Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre> "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_CreateOrReplaceUEPolicySet" }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_ReadUEPolicySet" }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_UpdateUEPolicySet" }, { </pre>	

Table 5-20 (Cont.) Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre> "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_CreateUsageMonitoringResource" }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_ReadUsageMonitoringInformation" }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_DeleteUsageMonitoringInformation" </pre>	

Table 5-20 (Cont.) Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre> }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_ CreateIndividualPolicyDataSubscription" }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_ ReplaceIndividualPolicyDataSubscription" }, { "defaultPriority": 23, "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": : "Nudr_DataRepository_ </pre>	

Table 5-20 (Cont.) Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
		DeleteIndividualPolicyDataSubscription" }, { "defaultPriority": 23, "initiatedRequestPriorityRule": "mapping_rule_2", "preferReceivedPriority": true, "responsePriorityRule": "mapping_rule_1", "sbiServiceOperation": "Nudr_DM_Notify" }]	
GET	http://<nudr-config-svc>:<PORT>/udr/nf-common-component/v1/global-configuration/sbimessagepriority	Result Code: 200 OK Payload: { "enabled": false }	NA
PUT	http://<nudr-config-svc>:<PORT>/udr/nf-common-component/v1/global-configuration/sbimessagepriority	Result Code: 200 OK Payload: { "enabled": false }	Possible error codes 400 Bad Request : Could not validate Json

Table 5-20 (Cont.) Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	http://<nudr-config-svc>:<PORT>/udr/nf-common-component/v1/global-configuration/requestsmphheaders	Result Code: 200 OK Payload: ["3gpp-sbi-message-priority", "message-priority11", "message-priority22", "triangl-1", "trainanlge-1"]	NA
PUT	http://<nudr-config-svc>:<PORT>/udr/nf-common-component/v1/global-configuration/requestsmphheaders	Result Code: 200 OK Payload: ["3gpp-sbi-message-priority", "message-priority11", "message-priority22", "triangl-1", "trainanlge-1"]	Possible error codes 400 Bad Request : Could not validate Json

Table 5-20 (Cont.) Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
GET	http://<nudr-config-svc>:<PORT>/udr/nf-common-component/v1/global-configuration/prioritymappingrules	Result Code: 200 OK Payload: <pre>[{ "defaultSmpHeaderName": "3gpp-sbi-message-priority", "name": "mapping_rule_1", "rules": [{ "received": "0-1", "used": "0" }, { "received": "2-23", "used": "-1" }, { "received": "24-31", "used": "22" }, { "received": "*", "used": "22" }] }, { "defaultSmpHeaderName": "3gpp-sbi-message-priority", "name": "mapping_rule_2", "rules": [{ "received": "0-31",</pre>	NA

Table 5-20 (Cont.) Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre>"used": "23" }] }</pre>	

Table 5-20 (Cont.) Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
PUT	http://<nudr-config-svc>:<PORT>/udr/nf-common-component/v1/global-configuration/prioritymappingrules	Result Code: 200 OK Payload: <pre>[{ "defaultSmpHeaderName": "3gpp-sbi-message-priority", "name": "mapping_rule_1", "rules": [{ "received": "0-1", "used": "0" }, { "received": "2-23", "used": "-1" }, { "received": "24-31", "used": "22" }, { "received": "*", "used": "22" }] }, { "defaultSmpHeaderName": "3gpp-sbi-message-priority", "name": "mapping_rule_2", "rules": [{ "received": "0-31",</pre>	Possible error codes 400 Bad Request : Could not validate Json

Table 5-20 (Cont.) Configuration APIs for SBI Message Priority Header

HTTP Method	Sample Request REST URL	Sample Response	Notes
		<pre>"used": "23" }] }</pre>	

5.7 Configuration APIs for NRF Client

The following table describes the configuration APIs for NRF Client

Table 5-21 Configuration APIs for NRF Client

Method	Request	Response	Notes
PUT	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/nrf-client-nfmanagement/dynamicLoadAndCapacity Request body: <pre>{ "nfProfileCapacity": true, "nfProfileLoad": true, "nfServiceCapacity": true, "nfServiceLoad": true }</pre>	200 OK	Possible error codes: 400 Bad Request Could not Validate Json. 404 Not Found Configuration does not exist. Service, resource, or key not found. 500 Internal Server Error Internal error while reading or updating the common configuration.
PATCH	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/nrf-client-nfmanagement/dynamicLoadAndCapacity Request body: <pre>{ "nfProfileCapacity": true, "nfProfileLoad": true, "nfServiceCapacity": true, "nfServiceLoad": true }</pre>	200 OK	Possible error codes: 400 Bad Request Could not Validate Json. 404 Not Found Configuration does not exist. Service, resource, or key not found. 500 Internal Server Error Internal error while reading or updating the common configuration.

Table 5-21 (Cont.) Configuration APIs for NRF Client

Method	Request	Response	Notes
GET	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/nrf-client-nfmanagement/dynamicLoadAndCapacity	200 OK Response body: { "nfProfileCapacity": true, "nfProfileLoad": true, "nfServiceCapacity": true, "nfServiceLoad": true }	Possible error codes: 404 Not Found Configuration does not exist. Service, resource, or key not found. 500 Internal Server Error Internal error while reading or updating the common configuration.
PUT	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/nrf-client-nfmanagement/generalOptions Request body: { "nfProfileUpdateMode": "CompleteUpdate", "triggerNfRegistration": true }	200 OK	Possible error codes: 400 Bad Request Could not Validate Json. 404 Not Found Configuration does not exist. Service, resource, or key not found. 500 Internal Server Error Internal error while reading or updating the common configuration.
PATCH	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/nrf-client-nfmanagement/generalOptions Request body: { "nfProfileUpdateMode": "CompleteUpdate", "triggerNfRegistration": true }	200 OK	Possible error codes: 400 Bad Request Could not Validate Json. 404 Not Found Configuration does not exist. Service, resource, or key not found. 500 Internal Server Error Internal error while reading or updating the common configuration.

Table 5-21 (Cont.) Configuration APIs for NRF Client

Method	Request	Response	Notes
GET	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/nrf-client-nfmanagement/generalOptions	200 OK Response body: { "nfProfileUpdateMode" : "CompleteUpdate", "triggerNfRegistration": true }	Possible error codes: 404 Not Found Configuration does not exist. Service, resource, or key not found. 500 Internal Server Error Internal error while reading or updating the common configuration.

Table 5-21 (Cont.) Configuration APIs for NRF Client

Method	Request	Response	Notes
PUT	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/nrf-client-nfmanagement/nfProfileList Request body: <pre>[{ "fqdn": "ocudr-ingressgateway.myudr.svc.cluster.local", "load": 0, "nfType": "UDR", "udrInfo": { "groupId": "udr-1", "gpsiRanges": [{ "end": "200000000000", "start": "100000000000" }], "supiRanges": [{ "end": "200000000000", "start": "100000000000" }], "supportedDataSets": ["POLICY", "SUBSCRIPTION"], "externalGroupIdentifiersRanges": [{ "end": "200000000000", "start": "100000000000" }], "capacity": 500, } }]</pre>	200 OK	Possible error codes: 400 Bad Request Could not Validate Json. 404 Not Found Configuration does not exist. Service, resource, or key not found. 500 Internal Server Error Internal error while reading or updating the common configuration.

Table 5-21 (Cont.) Configuration APIs for NRF Client

Method	Request	Response	Notes
	<pre> "locality": "bangalore", "nfStatus": "REGISTERED", "plmnList": [{ "mcc": "310", "mnc": "14" }], "priority": 10, "nfServices": [{ "fqdn": "ocudr- ingressgateway.myudr.svc.clus ter.local", "load": 0, "scheme": "http", "capacity": 500, "priority": 10, "versions": [{ "apiFullVersion": "2.1.0.alpha-3", "apiVersionInUri": "v1" }], "ipEndPoints": [{ "port": "80", "transport": "TCP", "ipv4Address": "10.0.0.0" }], "serviceName": "nudr-dr", "allowedNfTypes": ["PCF", </pre>		

Table 5-21 (Cont.) Configuration APIs for NRF Client

Method	Request	Response	Notes
	<pre> "UDM"], "nfServiceStatus": "REGISTERED", "serviceInstanceId": "ae870316-384d-458a- bd45-025c9e748976" }, { "fqdn": "ocudr- ingressgateway.myudr.svc.clus ter.local", "load": 0, "scheme": "http", "capacity": 500, "priority": 10, "versions": [{ "apiFullVersion": "2.1.0.alpha-3", "apiVersionInUri": "v1" }], "ipEndPoints": [{ "port": "80", "transport": "TCP", "ipv4Address": "10.0.0.0" }], "serviceName": "nudr-group- id-map", "allowedNfTypes": ["NRF"], </pre>		

Table 5-21 (Cont.) Configuration APIs for NRF Client

Method	Request	Response	Notes
	<pre> "nfServiceStatus": "REGISTERED", "serviceInstanceId": "547d42af-628a-4d5d- a8bd-38c4ba672682" }], "nfSetIdList": ["setxyz.udrset.5gc.mnc012.mcc 345"], "nfInstanceId": "5a7bd676-ceeb-44bb-95e0- f6a55a328b13", "allowedNfTypes": ["PCF", "UDM", "NRF"], "heartBeatTimer": 90, "nfServicePersistence": false, "nfProfileChangesSupportInd": false }] </pre>		

Table 5-21 (Cont.) Configuration APIs for NRF Client

Method	Request	Response	Notes
PATCH	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/nrf-client-nfmanagement/nfProfileList Request body: <pre>[{ "fqdn": "ocudr-ingressgateway.myudr.svc.cluster.local", "load": 0, "nfType": "UDR", "udrInfo": { "groupId": "udr-1", "gpsiRanges": [{ "end": "20000000000", "start": "10000000000" }], "supiRanges": [{ "end": "20000000000", "start": "10000000000" }], "supportedDataSets": ["POLICY", "SUBSCRIPTION"], "externalGroupIdentifiersRanges": [{ "end": "20000000000", "start": "10000000000" }], "capacity": 500, } }]</pre>	200 OK	Possible error codes: 400 Bad Request Could not Validate Json. 404 Not Found Configuration does not exist. Service, resource, or key not found. 500 Internal Server Error Internal error while reading or updating the common configuration.

Table 5-21 (Cont.) Configuration APIs for NRF Client

Method	Request	Response	Notes
	<pre> "locality": "bangalore", "nfStatus": "REGISTERED", "plmnList": [{ "mcc": "310", "mnc": "14" }], "priority": 10, "nfServices": [{ "fqdn": "ocudr- ingressgateway.myudr.svc.clus ter.local", "load": 0, "scheme": "http", "capacity": 500, "priority": 10, "versions": [{ "apiFullVersion": "2.1.0.alpha-3", "apiVersionInUri": "v1" }], "ipEndPoints": [{ "port": "80", "transport": "TCP", "ipv4Address": "10.0.0.0" }], "serviceName": "nudr-dr", "allowedNfTypes": ["PCF", </pre>		

Table 5-21 (Cont.) Configuration APIs for NRF Client

Method	Request	Response	Notes
	<pre> "UDM"], "nfServiceStatus": "REGISTERED", "serviceInstanceId": "ae870316-384d-458a- bd45-025c9e748976" }, { "fqdn": "ocudr- ingressgateway.myudr.svc.clus ter.local", "load": 0, "scheme": "http", "capacity": 500, "priority": 10, "versions": [{ "apiFullVersion": "2.1.0.alpha-3", "apiVersionInUri": "v1" }], "ipEndPoints": [{ "port": "80", "transport": "TCP", "ipv4Address": "10.0.0.0" }], "serviceName": "nudr-group- id-map", "allowedNfTypes": ["NRF"], </pre>		

Table 5-21 (Cont.) Configuration APIs for NRF Client

Method	Request	Response	Notes
	<pre> "nfServiceStatus": "REGISTERED", "serviceInstanceId": "547d42af-628a-4d5d- a8bd-38c4ba672682" }], "nfSetIdList": ["setxyz.udrset.5gc.mnc012.mcc 345"], "nfInstanceId": "5a7bd676-ceeb-44bb-95e0- f6a55a328b13", "allowedNfTypes": ["PCF", "UDM", "NRF"], "heartBeatTimer": 90, "nfServicePersistence": false, "nfProfileChangesSupportInd": false }] </pre>		

Table 5-21 (Cont.) Configuration APIs for NRF Client

Method	Request	Response	Notes
GET	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/nrf-client-nfmanagement/nfProfileList	200 OK Response body: <pre>[{ "fqdn": "ocudr- ingressgateway.myudr. svc.cluster.local", "load": 0, "nfType": "UDR", "udrInfo": { "groupId": "udr-1", "gpsiRanges": [{ "end": "200000000000", "start": "100000000000" }], "supiRanges": [{ "end": "200000000000", "start": "100000000000" }], "supportedDataSets": ["POLICY", "SUBSCRIPTION"], "externalGroupIdentif iersRanges": [{ "end": "200000000000",</pre>	Possible error codes: 404 Not Found Configuration does not exist. Service, resource, or key not found. 500 Internal Server Error Internal error while reading or updating the common configuration.

Table 5-21 (Cont.) Configuration APIs for NRF Client

Method	Request	Response	Notes
		<pre> "start": "100000000000" }] }, "capacity": 500, "locality": "bangalore", "nfStatus": "REGISTERED", "plmnList": [{ "mcc": "310", "mnc": "14" }], "priority": 10, "nfServices": [{ "fqdn": "ocudr- ingressgateway.myudr. svc.cluster.local", "load": 0, "scheme": "http", "capacity": 500, "priority": 10, "versions": [{ "apiFullVersion": "2.1.0.alpha-3", "apiVersionInUri": "v1" }], </pre>	

Table 5-21 (Cont.) Configuration APIs for NRF Client

Method	Request	Response	Notes
		<pre> "ipEndpoints": [{ "port": "80", "transport": "TCP", "ipv4Address": "10.0.0.0" }], "serviceName": "nudr- dr", "allowedNfTypes": ["PCF", "UDM"], "nfServiceStatus": "REGISTERED", "serviceInstanceId": "ae870316-384d-458a- bd45-025c9e748976" }, { "fqdn": "ocudr- ingressgateway.myudr. svc.cluster.local", "load": 0, "scheme": "http", "capacity": 500, "priority": 10, "versions": [{ "apiFullVersion": "2.1.0.alpha-3", </pre>	

Table 5-21 (Cont.) Configuration APIs for NRF Client

Method	Request	Response	Notes
		<pre> "apiVersionInUri": "v1" },], "ipEndPoints": [{ "port": "80", "transport": "TCP", "ipv4Address": "10.0.0.0" }], "serviceName": "nudr- group-id-map", "allowedNfTypes": ["NRF"], "nfServiceStatus": "REGISTERED", "serviceInstanceId": "547d42af-628a-4d5d- a8bd-38c4ba672682" },], "nfSetIdList": ["setxyz.udrset.5gc.mn c012.mcc345"], "nfInstanceId": "5a7bd676- ceeb-44bb-95e0- f6a55a328b13", "allowedNfTypes": [</pre>	

Table 5-21 (Cont.) Configuration APIs for NRF Client

Method	Request	Response	Notes
		<pre> "PCF", "UDM", "NRF"], "heartBeatTimer": 90, "nfServicePersistence": false, "nfProfileChangesSupportInd": false }] </pre>	
PUT	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/nrf-client-nfmanagement/nrfRouteList Request body: <pre> { "nrfApi": "nrfDeployName-nrf-1:8080", "scheme": "http", "weight": 100, "priority": 1 } </pre>	200 OK	Possible error codes: 400 Bad Request Could not Validate Json. 404 Not Found Configuration does not exist. Service, resource, or key not found. 500 Internal Server Error Internal error while reading or updating the common configuration.
PATCH	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/nrf-client-nfmanagement/nrfRouteList Request body: <pre> { "nrfApi": "nrfDeployName-nrf-1:8080", "scheme": "http", "weight": 100, "priority": 1 } </pre>	200 OK	Possible error codes: 400 Bad Request Could not Validate Json. 404 Not Found Configuration does not exist. Service, resource, or key not found. 500 Internal Server Error Internal error while reading or updating the common configuration.

Table 5-21 (Cont.) Configuration APIs for NRF Client

Method	Request	Response	Notes
GET	http://<nudr-config svc IP>:\<port>/udr/nf-common-component/v1/nrf-client-nfmanagement/nrfRouteList	200 OK Response body: <pre>{ "nrfApi": "nrfDeployName- nrf-1:8080", "scheme": "http", "weight": 100, "priority": 1 }</pre>	Possible error codes: 404 Not Found Configuration does not exist. Service, resource, or key not found. 500 Internal Server Error Internal error while reading or updating the common configuration.

5.8 List of Errors and their Details

The list of errors and their details are as follows:

Table 5-22 Error Code Catalogue

Error Details	Possible Causes	Corrective Actions
Error Code: E550 HTTP Response Code: 404 Category: CFG Error Description: The import or export ResourceId or report not found	Provided import or export ResourceId is incorrect. The import or export report with the provided ResourceId is not found.	Check if the provided import or export ResourceId is correct.
Error Code: E551 HTTP Response Code: 500 Category: CFG Error Description: Retrieving the report or status of import or export when the operation is still in progress.	Retrieving the report or status of import or export when the operation is still in progress.	Try after the existing import or export is completed.
Error Code: E552 HTTP Response Code: 500 Category: CFG Error Description: The import or export report is not generated.	The import or export report creation failed.	NA
Error Code: E553 HTTP Response Code: 400 Category: CFG Error Description: Empty or incorrect MO passed.	Empty MO value passed or the passed MO value is incorrect.	Provide a valid MO value.

Table 5-22 (Cont.) Error Code Catalogue

Error Details	Possible Causes	Corrective Actions
Error Code: E554 HTTP Response Code: 400 Category: CFG Error Description: The file provided for the import has unsupported file format or file content.	Import file other than ZIP file format is provided. Error reading zip stream or unable to extract contents of file.	Check and upload the file with supported format and file content.
Error Code: E555 HTTP Response Code: 500 Category: CFG Error Description: Another import or export operation request is in progress.	Another import or export request is in progress.	You must wait for previous requests to complete before performing another import or export operation.
Error Code: E556 HTTP Response Code: 500 Category: CFG Error Description: Unable to download exported data	Could not create exported JSON files.	NA
Error Code: E557 HTTP Response Code: 400 Category: CFG Error Description: Controlled Shutdown feature is disabled	Controlled shutdown feature is disabled when updating OperationalStatus.	Enable the controlled shutdown feature.
Error Code: E558 HTTP Response Code: 400 Category: CFG Error Description: Invalid OperationalState	Invalid OperationalState provided.	Provide operationalState with "NORMAL" or "COMPLETE_SHUTDOWN"
Error Code: E559 HTTP Response Code: 403 Category: CFG Error Description: Read only field can not be modified.	Tried to modify a read only field.	NA
Error Code: E560 HTTP Response Code: 400 Category: CFG Error Description: Invalid URI sent from client.	The URI in the request is invalid or does not comply to the specification.	Check the specification for the correct URI.
Error Code: E561 HTTP Response Code: 415 Category: CFG Error Description: Unsupported Media Type Header	The handleHttpMediaType is not supported.	Content type header is incorrect.

Table 5-22 (Cont.) Error Code Catalogue

Error Details	Possible Causes	Corrective Actions
Error Code: E562 HTTP Response Code: 406 Category: CFG Error Description: Media type header not acceptable.	The handleHttpMediaType is not supported.	Accept header is incorrect.
Error Code: E564 HTTP Response Code: 400 Category: CFG Error Description: Invalid schema content supplied or schema validation failed.	Schema update request payload, json content is invalid. The request payload json content does not comply to schema defined.	Check the schema for correctness and formatting issues.
Error Code: E565 HTTP Response Code: 404 Category: CFG Error Description: Data field does not exist.	The request sent for unavailable service configuration data.	Check if the service key or id used is valid.
Error Code: E566 HTTP Response Code: 404 Category: CFG Error Description: NF Operational State not found.	NF Operational status is not found.	NA
Error Code: E567 HTTP Response Code: 404 Category: CFG Error Description: Operational State History not present for the limit.	Operational State History for the limit is not found.	NA
Error Code: E568 HTTP Response Code: 404 Category: CFG Error Description: NF score not available.	NF score not available.	NA
Error Code: E569 HTTP Response Code: 400 Category: CFG Error Description: Peer identity must be unique	Multiple peers with same identity is received.	Make sure to use unique for every diam serverpeer.
Error Code: E570 HTTP Response Code: 500 Category: DB Error Description: SQL Command Grammar Error	SQL statement syntax issues.	Check the logs for more details.

Table 5-22 (Cont.) Error Code Catalogue

Error Details	Possible Causes	Corrective Actions
Error Code: E571 HTTP Response Code: 500 Category: DB Error Description: Resource accessed in an invalid fashion.	Database fetch failure.	Check the logs for more details.
Error Code: E572 HTTP Response Code: 500 Category: DB Error Description: Permission denied to requested resource on the database.	Database access failed due to permission issues.	Check the logs for more details.
Error Code: E573 HTTP Response Code: 503 Category: DB Error Description: Database table or resource not accessible.	Data retrieval from database failed.	Check the database availability and connectivity. Check the logs for more information on SQL state.
Error Code: E574 HTTP Response Code: 503 Category: DB Error Description: Transient database access issue.	Data retrieval from database failed.	Check the database availability and connectivity. Check the logs for more information on SQL state.
Error Code: E575 HTTP Response Code: 503 Category: DB Error Description: Cannot acquire lock on database resource.	Data retrieval from database failed.	Check the database state and database. Check the logs for more information on SQL state.
Error Code: E576 HTTP Response Code: 400 Category: CFG Error Description: Insertion or update of invalid records to database.	Internal SQL transaction failures due to invalid records not matching table schema.	Check the content shared in payload from where the content is formed for insertion or update.
Error Code: E577 HTTP Response Code: 404 Category: CFG Error Description: Resource fetch from database failed.	Exception occurred during resource fetch from database.	Check the logs for more information on failures.
Error Code: E578 HTTP Response Code: 400 Category: CFG Error Description: Invalid payload.	Internal JSON format data formation failure or invalid parameters passed, or, empty payload is passed.	Check for any missing required parameters in the payload or check for provided empty payload.

Table 5-22 (Cont.) Error Code Catalogue

Error Details	Possible Causes	Corrective Actions
Error Code: E579 HTTP Response Code: 400 Category: CFG Error Description: Invalid format of data	Invalid payload. Parameter with number type is not set correctly.	Check the number or integer parameters are correct in the payload.
Error Code: E580 HTTP Response Code: 405 Category: CFG Error Description: Operation not allowed.	REST API used does not support the requested operation type.	Check the specification for the allowed operations for provided REST API in request.
Error Code: E581 HTTP Response Code: 500 Category: CFG Error Description: Internal server error	Unidentified internal server errors.	Check the logs for more details.
Error Code: E582 HTTP Response Code: 400 Category: CFG Error Description: Subscriber export ranges are not valid.	The provided start range value is greater than the end range value.	Provide the correct values for start range and end range.

6

Payload References

This appendix describes Payload Reference details.

6.1 Log Attribute Details

The following table lists the log attribute details for UDR. These details are applicable to Provisioning Gateway.

Table 6-1 Log Attribute Details

Log Attribute	Details	Example Value	Data Type	Source
thread	Thread Name Internal by Spring boot	XNIO-1 task-1	String	log4j
level	Log Level of the log printed	WARN	String	log4j
loggerName	Class which printed the log	ocudr.udr.services.service.DbHandler	String	log4j
message	Outputs the application supplied message	Subscriber does not exist	String	Application
endOfBatch	Log4j2 Internal	false	boolean	log4j
loggerFqcn	Log4j2 Internal	org.apache.logging.slf4j.Log4jLogger	String	log4j
instant	Epoch time	{"epochSecond":1599703750,"nanoOfSecond":210064000}	Object	log4j
threadId	Outputs the ID of the thread that generated the logging event, set internally by Log4j2	23	Integer	log4j
threadPriority	Thread Priority set internally by Log4j2	5	Integer	log4j
messageTimestamp	Timestamp when log was printed	21-02-17 07:36:06.343+0000	String	Application
application	NF application name	ocudr	String	Application
engVersion	Engineering version of software	1.10.20	String	Application
mktgVersion	Marketing version of software	1.10.20.0.0	String	Application
microservice	Microservice name	ocudr-nudr-drservice	String	Application
vendor	Vendor name	Oracle	String	Application

Table 6-1 (Cont.) Log Attribute Details

Log Attribute	Details	Example Value	Data Type	Source
subscriberId	SubscriberId for which request received	msisdn-1111111113	String	Application
resourceId	Request Uri	nudr-group-id-map/v1/nf-group-ids	String	Application
resultCode	Response statusCode	404	String	Application
ocLogId	Inter NF logId for tracing	1613547369374_225_ocudr-ingressgateway-6f585c76d4-tp622	String	Application
sbiCorrelationHeader	SBI Correlation Header for request received	msisdn-1111111113	String	Application
requestType	request type received	GET	String	Application
kubernetes.container_name	Container name generating log	nudr-dr-service	String	fluentd
kubernetes.namespace_name	Namespace of service	ocudr	String	fluentd
kubernetes.pod_name	Pod name	ocudr-nudr-dr-service-7f8c47f5c9-flkmz	String	fluentd
kubernetes.container_image	Container image	cne-170-ga-bastion-1:5000/ocudr/nudr_datarepository_service:1.9.50	String	fluentd
kubernetes.container_image_id	Container image ID	cne-170-ga-bastion-1:5000/ocudr/nudr_datarepository_service@sha256:1141f245a3a437f1423496aebf616a6d3315e22ad09904a868bf1b471759b616	String	fluentd
kubernetes.pod_id	POD id	6dfa91f8-2d0a-4d8c-a339-381ce98264df	String	fluentd
kubernetes.host	Worker node name	cne-170-ga-k8s-node-8	String	fluentd
kubernetes.namespace_id	Unique namespace ID assigned by K8	d932a8ae-54e9-4df1-8e30-e0335f0b1303	String	fluentd

Table 6-1 (Cont.) Log Attribute Details

Log Attribute	Details	Example Value	Data Type	Source
labels	All the labels on pod that generate the logs	"labels": { "pod-template-hash": "7f8c47f5c9", "app_kubernetes_io/instance": "ocudr", "app_kubernetes_io/managed-by": "Tiller", "app_kubernetes_io/name": "nuds-dr-service", "app_kubernetes_io/part-of": "ocudr", "app_kubernetes_io/version": "1.6.0.0", "helm_sh/chart": "nuds-dr-service-1.9.50", "io_kompose_service": "nuds-dr-service" }	object	fluentd
originHost	Diameter client fqdn	diamcli1.oracle.com	String	Application Note: Only in diameterproxy and diameter-gateway
originRealm	Diameter client realm	oracle.com	String	Application Note: Only in diameter-gateway
serviceIndications	Diameter service indications for GET operations	"serviceIndications": ["CamiantUserData", "CamiantStateData"]	Array	Application Note: Only in diameterproxy

Example: Log Under Analysis

```

{"instant":
{"epochSecond":1613547366,"nanoOfSecond":343417698},"thread":"XNIO-1
task-1","level":"WARN","loggerName":"ocudr.udr.services.service.DbHandler","me
ssage":"Subscriber does not
exist","endOfBatch":false,"loggerFqcn":"org.apache.logging.slf4j.Log4jLogger",
"threadId":46,"threadPriority":5,"messageTimestamp":"21-02-17
07:36:06.343+0000","application":"ocudr","sbiCorrelationHeader":"msisdn-111111
1113","engVersion":"1.10.20","mktgVersion":"1.10.20.0.0","microservice":"ocudr-
nuds-

```

```
drservice", "vendor": "Oracle", "subscriberId": "msisdn-1111111113", "resourceId": "nudur-group-id-map/v1/nf-group-ids", "resultCode": "404", "ocLogId": "1613547369374_225_ocudr-ingressgateway-6f585c76d4-tp622", "requestType": "GET"}
```

Example: Log From Kibana

```
{
  "_index": "logstash-2021-02-19",
  "_type": "_doc",
  "_id": "yyQXuHcBwFjE8wmhickN",
  "_version": 1,
  "_score": 0,
  "_source": {
    "stream": "stdout",
    "docker": {
      "container_id": "b1b78faa1043132f77148f16777e60b1db8ae30e9e6b5c2f5af45248063f7d6a"
    },
    "kubernetes": {
      "container_name": "nudur-drservice",
      "namespace_name": "bharathudr1",
      "pod_name": "bharathudr1-nudur-drservice-7bd66864c6-fw7cq",
      "container_image": "cne-172-bastion-1:5000/ocudr/nudur_datarepository_service:ocLogIdTest1",
      "container_image_id": "cne-172-bastion-1:5000/ocudr/nudur_datarepository_service@sha256:24875dad7fd363bcb8ec300b007491b2259796e152446fd3d707b17f62fcd6b4",
      "pod_id": "ea92c753-48af-4b31-9356-1ce24f27025e",
      "host": "cne-172-k8s-node-10",
      "labels": {
        "pod-template-hash": "7bd66864c6",
        "app_kubernetes_io/instance": "bharathudr1",
        "app_kubernetes_io/managed-by": "Helm",
        "app_kubernetes_io/name": "nudur-drservice",
        "app_kubernetes_io/part-of": "ocudr",
        "app_kubernetes_io/version": "1.6.0.0.0",
        "helm_sh/chart": "nudur-drservice-1.10.20",
        "io_kompose_service": "nudur-drservice"
      },
      "master_url": "https://10.233.0.1:443/api",
      "namespace_id": "260e3d4a-d455-4afc-9cff-9aaf8eba79d1"
    },
    "instant": {
      "epochSecond": 1613701232,
      "nanoOfSecond": 431593919
    },
    "thread": "XNIO-1 task-1",
    "level": "WARN",
    "loggerName": "ocudr.udr.services.service.DbHandler",
    "message": "Subscriber does not exist",
    "endOfBatch": false,
    "loggerFqcn": "org.apache.logging.slf4j.Log4jLogger",
    "threadId": 46,
    "threadPriority": 5,
  }
}
```



```

"messageTimestamp": "21-02-19 02:20:32.431+0000",
"application": "bharathudr1",
"engVersion": "1.10.20",
"mktgVersion": "1.6.0.0.0",
"microservice": "bharathudr1-nudr-drservice",
"vendor": "Oracle",
"subscriberId": "imsi-1000000002",
"sbiCorrelationHeader": "imsi-1000000002",
"resourceId": "nudr-group-id-map-prov/v1/slf-group",
"resultCode": "404",
"ocLogId": "1613701211520_2220_bharathudr1-
ingressgateway-7d7659c58b-5k6b2",
"requestType": "GET",
"@timestamp": "2021-02-19T02:20:32.432795705+00:00",
>tag": "kubernetes.var.log.containers.bharathudr1-nudr-
drservice-7bd66864c6-fw7cq_bharathudr1_nudr-drservice-
b1b78faa1043132f77148f16777e60b1db8ae30e9e6b5c2f5af45248063f7d6a.log"
},
"fields": {
"@timestamp": [
"2021-02-19T02:20:32.432Z"
],
"timestamp": []
},
"highlight": {
"resultCode": [
"@kibana-highlighted-field@404@/kibana-highlighted-field@"
],
"message": [
"@kibana-highlighted-field@Subscriber@/kibana-highlighted-field@
@kibana-highlighted-field@does@/kibana-highlighted-field@ @kibana-highlighted-
field@not@/kibana-highlighted-field@ @kibana-highlighted-field@exist@/kibana-
highlighted-field@"
],
"kubernetes.namespace_name": [
"@kibana-highlighted-field@bharathudr1@/kibana-highlighted-field@"
]
}
}

```

6.1.1 PATCH-SessionManagementPolicyData

sm-patch

```

{
  "umData": {
    "mk1": {
      "scopes": {
        "11-abc123": {
          "dnn": [
            "dnn1"
          ],
          "snssai": {
            "sd": "abc123",
            "sst": 11
          }
        }
      }
    }
  }
}

```

```

    }
  },
  "limitId": "mk1",
  "umLevel": "SERVICE_LEVEL",
  "resetTime": "2018-01-02T08:17:14.090Z",
  "allowedUsage": {
    "duration": 9000,
    "totalVolume": 8888,
    "uplinkVolume": 6666,
    "downlinkVolume": 7777
  }
},
"smPolicySnssaiData": {
  "11-abc123": {
    "snssai": {
      "sd": "abc123",
      "sst": 11
    },
    "smPolicyDnnData": {
      "dnn1": {
        "dnn": "dnn1",
        "bdtRefIds": {
          "abc": "bdtRefIds",
          "xyz": "PCF"
        }
      }
    }
  }
}
}
}
}
}

```

VSA patch payload

```

{
  "umData": {
    "mk1": {
      "scopes": {
        "11-abc123": {
          "dnn": [
            "dnn1"
          ],
          "snssai": {
            "sd": "abc123",
            "sst": 11
          }
        }
      }
    },
    "limitId": "mk1",
    "name": "customQuota",
    "umLevel": "SERVICE_LEVEL",
    "resetTime": "2018-01-02T08:17:14.090Z",
    "allowedUsage": {

```

```

        "duration": 9000,
        "totalVolume": 8888,
        "uplinkVolume": 6666,
        "downlinkVolume": 7777
    },
    "customAllowedUsage": {
        "duration": 9000,
        "totalVolume": 8888,
        "downlinkVolume": 6666,
        "uplinkVolume": 7777
    },
    "serviceSpecific": 7777,
    "type": "",
    "grantedUsage": {
        "totalVolume": 8888,
        "downlinkVolume": 6666,
        "uplinkVolume": 7777,
        "duration": 3000
    },
    "grantedServiceSpecific": "",
    "quotaState": "",
    "refInstanceId": ""
    }
},
"smPolicySnssaiData": {
    "21-abc123": {
        "snssai": {
            "sd": "abc123",
            "sst": 11
        },
        "smPolicyDnnData": {
            "dnn1": {
                "dnn": "dnn1",
                "bdtRefIds": {
                    "abc": "bdtRefIds",
                    "xyz": "PCF"
                }
            }
        }
    }
}
},
"VendorSpecific-000111": {
    "subscriber": {
        "IMSI": ["302370123456789"],
        "ACCOUNTID": ["178322212122"],
        "MSISDN": ["15145551234", "15141234567"],
        "BillingDay": 6,
        "Entitlement": ["DayPass", "DayPassPlus", "DayPassPro"]
    },
    "state": {
        "property": [{
            "name": "mcc",
            "value": "123"
        }, {
            "name": "expire",

```

```

        "value": "201402-09T11:20:32"
      }],
      "version": 1
    }
  }
}

```

6.1.2 PUT-UEPolicySet

```

{
  "praInfos": {
    "p1": {
      "praId": "p1",
      "trackingAreaList": [{
        "plmnId": {
          "mcc": "976",
          "mnc": "32"
        },
        "tac": "5CB6"
      },
      {
        "plmnId": {
          "mcc": "977",
          "mnc": "33"
        },
        "tac": "5CB7"
      }
    ],
    "ecgiList": [{
      "plmnId": {
        "mcc": "976",
        "mnc": "32"
      },
      "eutraCellId": "92FFdBE"
    },
    {
      "plmnId": {
        "mcc": "977",
        "mnc": "33"
      },
      "eutraCellId": "8F868C4"
    }
  ],
  "ncgiList": [{
    "plmnId": {
      "mcc": "976",
      "mnc": "32"
    },
    "nrCellId": "b2fB6fE9D"
  },
  {
    "plmnId": {
      "mcc": "977",
      "mnc": "33"
    }
  },

```

```

        "nrCellId": "5d1B4127b"
      },
    ],
    "globalRanNodeIdList": [{
      "plmnId": {
        "mcc": "965",
        "mnc": "235"
      },
      "n3IwfId": "FFf0f2AFbFa16CEfE7"
    },
    {
      "plmnId": {
        "mcc": "967",
        "mnc": "238"
      },
      "gNbId": {
        "bitLength": 25,
        "gNbValue": "1A8F1D"
      }
    }
  ]
},
"subscCats": ["cat1", "cat2"],
"uePolicySections": {
  "111": {
    "upsi": "111",
    "uePolicySectionInfo": "MQ=="
  },
  "33": {
    "upsi": "33",
    "uePolicySectionInfo": "Mg0K"
  }
},
"upsis": ["111", "33"],
"allowedRouteSelDescs": {
  "965-235": {
    "servingPlmn": {
      "mcc": "965",
      "mnc": "235"
    },
    "snssaiRouteSelDescs": [{
      "snssai": {
        "sd": "abc123",
        "sst": 11
      },
      "dnnRouteSelDescs": [{
        "dnn": "dnn1",
        "sscModes": ["SSC_MODE_1", "SSC_MODE_2"],
        "pduSessTypes": ["IPV4"]
      }
    ]
  }
}]
},

```

```

    "andspInd": true,
    "pei": "imei-355375345274757",
    "osIds": ["bceafb30-31bd-4b8d-b3c2-ed79d029531a",
    "cc9d9f97-0127-497c-9bca-79e8e9080ea8"]
  }

```

6.1.3 PATCH-UEPolicySet

```

{
  "praInfos": {
    "p1": {
      "praId": "p1",
      "trackingAreaList": [{
        "plmnId": {
          "mcc": "976",
          "mnc": "32"
        },
        "tac": "5CB6"
      },
      {
        "plmnId": {
          "mcc": "977",
          "mnc": "33"
        },
        "tac": "5CB7"
      }
    ],
    "ecgiList": [{
      "plmnId": {
        "mcc": "976",
        "mnc": "32"
      },
      "eutraCellId": "92FFdBE"
    },
    {
      "plmnId": {
        "mcc": "977",
        "mnc": "33"
      },
      "eutraCellId": "8F868C4"
    }
  ],
  "ncgiList": [{
    "plmnId": {
      "mcc": "976",
      "mnc": "32"
    },
    "nrCellId": "b2fB6fE9D"
  },
  {
    "plmnId": {
      "mcc": "977",
      "mnc": "33"
    },
    "nrCellId": "5d1B4127b"
  }
]
}

```

```

    },
    ],
    "globalRanNodeIdList": [{
        "plmnId": {
            "mcc": "965",
            "mnc": "235"
        },
        "n3IwfId": "fFf0f2AFbFa16CEfE7"
    },
    {
        "plmnId": {
            "mcc": "967",
            "mnc": "238"
        },
        "gNbId": {
            "bitLength": 25,
            "gNbValue": "1A8F1D"
        }
    }
    ],
    },
    "subscCats": ["cat1", "cat2"],
    "uePolicySections": {
        "111": {
            "upsi": "111",
            "uePolicySectionInfo": "MQ=="
        },
        "33": {
            "upsi": "33",
            "uePolicySectionInfo": "Mg0K"
        }
    },
    "upsis": ["111", "33"],
    "allowedRouteSelDescs": {
        "965-235": {
            "servingPlmn": {
                "mcc": "965",
                "mnc": "235"
            },
            "snssaiRouteSelDescs": [{
                "snssai": {
                    "sd": "abc123",
                    "sst": 11
                }
            }
        ]
    },
    },
    "andspInd": true,
    "pei": "imei-355375345274757",
    "osIds": ["bceafb30-31bd-4b8d-b3c2-ed79d029531a",
    "cc9d9f97-0127-497c-9bca-79e8e9080ea8"]
}

```

6.1.4 PUT-UsageMonitoringInformation

```
{
  "scopes": {
    "11-abc123": {
      "dnn": [
        "dnn1"
      ],
      "snssai": {
        "sd": "abc123",
        "sst": 11
      }
    }
  },
  "limitId": "mk1",
  "umLevel": "SERVICE_LEVEL",
  "resetTime": "2018-01-02T08:17:14.090Z",
  "allowedUsage": {
    "duration": 9000,
    "totalVolume": 8888,
    "uplinkVolume": 6666,
    "downlinkVolume": 7777
  }
}
```

6.1.5 PUT-AM SM UEPolicyData

To add the AM, SM, UEPolicySet information.

```
{
  "am-data": {
    "praInfos": {
      "p1": {
        "praId": "p1",
        "trackingAreaList": [{
          "plmnId": {
            "mcc": "976",
            "mnc": "32"
          },
          "tac": "5CB6"
        }],
        {
          "plmnId": {
            "mcc": "977",
            "mnc": "33"
          },
          "tac": "5CB7"
        }
      ],
      "ecgiList": [{
        "plmnId": {
          "mcc": "976",
          "mnc": "32"
        }
      ]
    }
  }
}
```



```

        },
        "eutraCellId": "92FFdBE"
    },
    {
        "plmnId": {
            "mcc": "977",
            "mnc": "33"
        },
        "eutraCellId": "8F868C4"
    }
],
"ncgiList": [{
    "plmnId": {
        "mcc": "976",
        "mnc": "32"
    },
    "nrCellId": "b2fB6fE9D"
},
{
    "plmnId": {
        "mcc": "977",
        "mnc": "33"
    },
    "nrCellId": "5d1B4127b"
}
],
"globalRanNodeIdList": [{
    "plmnId": {
        "mcc": "965",
        "mnc": "235"
    },
    "n3IwfId": "fFf0f2AFbFa16CEfE7"
},
{
    "plmnId": {
        "mcc": "967",
        "mnc": "238"
    },
    "gNbId": {
        "bitLength": 25,
        "gNbValue": "1A8F1D"
    }
}
]
},
"subscCats": [
    "cat1",
    "cat2"
]
},
"sm-data": {
    "umData": {
        "mk1": {
            "scopes": {
                "11-abc123": {

```

```

        "dnn": [
            "dnn1"
        ],
        "snssai": {
            "sd": "abc123",
            "sst": 11
        }
    },
    "limitId": "mk1",
    "umLevel": "SERVICE_LEVEL",
    "resetTime": "2018-01-02T08:17:14.090Z",
    "allowedUsage": {
        "duration": 9000,
        "totalVolume": 8888,
        "uplinkVolume": 6666,
        "downlinkVolume": 7777
    }
},
"umDataLimits": {
    "mk1": {
        "scopes": {
            "11-abc123": {
                "dnn": [
                    "dnn1"
                ],
                "snssai": {
                    "sd": "abc123",
                    "sst": 11
                }
            }
        },
        "endDate": "2018-11-05T08:17:14.090Z",
        "limitId": "mk1",
        "umLevel": "SESSION_LEVEL",
        "startDate": "2018-09-05T08:17:14.090Z",
        "usageLimit": {
            "duration": 6000,
            "totalVolume": 9000,
            "uplinkVolume": 5000,
            "downlinkVolume": 4000
        },
        "resetPeriod": {
            "period": "YEARLY"
        }
    }
},
"smPolicySnssaiData": {
    "11-abc123": {
        "snssai": {
            "sd": "abc123",
            "sst": 11
        }
    },
    "smPolicyDnnData": {
        "dnn1": {

```

```

"dnn": "dnn1",
"bdtRefIds": {

    "xyz": "bdtRefIds",
    "abc": "xyz"
},
"gbrDL": "7788 Kbps",
"gbrUL": "5566 Kbps",
"online": true,
"chfInfo": {
    "primaryChfAddress": "1.1.1.1",
    "secondaryChfAddress": "2.2.2.2"
},
"offline": true,
"praInfos": {
    "p1": {
        "praId": "p1",
        "trackingAreaList": [{
            "plmnId": {
                "mcc": "976",
                "mnc": "32"
            },
            "tac": "5CB6"
        },
        {
            "plmnId": {
                "mcc": "977",
                "mnc": "33"
            },
            "tac": "5CB7"
        }
    ],
    "ecgiList": [{
        "plmnId": {
            "mcc": "976",
            "mnc": "32"
        },
        "eutraCellId": "92FFdBE"
    },
    {
        "plmnId": {
            "mcc": "977",
            "mnc": "33"
        },
        "eutraCellId": "8F868C4"
    }
    ],
    "ncgiList": [{
        "plmnId": {
            "mcc": "976",
            "mnc": "32"
        },
        "nrCellId": "b2fB6fE9D"
    },
    {
        "plmnId": {

```

```

        "mcc": "977",
        "mnc": "33"
      },
      "nrCellId": "5d1B4127b"
    }
  ],
  "globalRanNodeIdList": [{
    "plmnId": {
      "mcc": "965",
      "mnc": "235"
    },
    "n3IwfId": "fFf0f2AFbFa16CEfE7"
  },
  {
    "plmnId": {
      "mcc": "967",
      "mnc": "238"
    },
    "gNbId": {
      "bitLength": 25,
      "gNbValue": "1A8F1D"
    }
  }
]
},
"ipv4Index": 0,
"ipv6Index": 0,
"subscCats": [
  "cat1",
  "cat2"
],
"adcSupport": true,
"mpsPriority": true,
"allowedServices": [
  "ser1",
  "ser2"
],
"mpsPriorityLevel": 2,
"imsSignallingPrio": true,
"refUmDataLimitIds": {
  "mk1": {
    "monkey": [
      "monkey1"
    ],
    "limitId": "mk1"
  }
},
"subscSpendingLimits": true
}
}
}
},

```

```

"ue-policy-set": {
  "praInfos": {
    "p1": {
      "praId": "p1",
      "trackingAreaList": [{
        "plmnId": {
          "mcc": "976",
          "mnc": "32"
        },
        "tac": "5CB6"
      },
      {
        "plmnId": {
          "mcc": "977",
          "mnc": "33"
        },
        "tac": "5CB7"
      }
    ],
    "ecgiList": [{
      "plmnId": {
        "mcc": "976",
        "mnc": "32"
      },
      "eutraCellId": "92FFdBE"
    },
    {
      "plmnId": {
        "mcc": "977",
        "mnc": "33"
      },
      "eutraCellId": "8F868C4"
    }
  ],
  "ncgiList": [{
    "plmnId": {
      "mcc": "976",
      "mnc": "32"
    },
    "nrCellId": "b2fB6fE9D"
  },
  {
    "plmnId": {
      "mcc": "977",
      "mnc": "33"
    },
    "nrCellId": "5d1B4127b"
  }
],
  "globalRanNodeIdList": [{
    "plmnId": {
      "mcc": "965",
      "mnc": "235"
    },
    "n3IwfId": "fFf0f2AFbFa16CEfE7"
  },

```

```

        {
            "plmnId": {
                "mcc": "967",
                "mnc": "238"
            },
            "gNbId": {
                "bitLength": 25,
                "gNbValue": "1A8F1D"
            }
        }
    ],
    },
    "subscCats": [
        "cat1",
        "cat2"
    ],
    "uePolicySections": {
        "33": {
            "upsi": "33",
            "uePolicySectionInfo": "MQ=="
        },
        "111": {
            "upsi": "111",
            "uePolicySectionInfo": "Mg0K"
        }
    },
    "upsis": [
        "111",
        "33"
    ],
    "allowedRouteSelDescs": {
        "965-235": {
            "servingPlmn": {
                "mcc": "965",
                "mnc": "235"
            },
            "snssaiRouteSelDescs": [{
                "snssai": {
                    "sd": "abc123",
                    "sst": 11
                },
                "dnnRouteSelDescs": [{
                    "dnn": "dnn1",
                    "sscModes": [
                        "SSC_MODE_1",
                        "SSC_MODE_2"
                    ],
                    "pduSessTypes": [
                        "IPV4"
                    ]
                }
            ]
        }
    ]
    },
    "andspInd": true,

```

```

        "pei": "imei-355375345274757",
        "osIds": [
            "bceafb30-31bd-4b8d-b3c2-ed79d029531a",
            "cc9d9f97-0127-497c-9bca-79e8e9080ea8"
        ]
    }
}

```

6.1.6 PUT-Policy Data with VSA Data

```

{
    "am-data": {
        "praInfos": {
            "p1": {
                "praId": "p1",
                "trackingAreaList": [{
                    "plmnId": {
                        "mcc": "976",
                        "mnc": "32"
                    },
                    "tac": "5CB6"
                },
                {
                    "plmnId": {
                        "mcc": "977",
                        "mnc": "33"
                    },
                    "tac": "5CB7"
                }
            ],
            "ecgiList": [{
                "plmnId": {
                    "mcc": "976",
                    "mnc": "32"
                },
                "eutraCellId": "92FFdBE"
            },
            {
                "plmnId": {
                    "mcc": "977",
                    "mnc": "33"
                },
                "eutraCellId": "8F868C4"
            }
        ],
        "ncgiList": [{
            "plmnId": {
                "mcc": "976",
                "mnc": "32"
            },
            "nrCellId": "b2fB6fE9D"
        },
        {
            "plmnId": {
                "mcc": "977",
            }
        ]
    }
}

```

```

        "mnc": "33"
      },
      "nrCellId": "5d1B4127b"
    }
  ],
  "globalRanNodeIdList": [{
    "plmnId": {
      "mcc": "965",
      "mnc": "235"
    },
    "n3IwfId": "fFf0f2AFbFa16CEfE7"
  },
  {
    "plmnId": {
      "mcc": "967",
      "mnc": "238"
    },
    "gNbId": {
      "bitLength": 25,
      "gNbValue": "1A8F1D"
    }
  }
]
},
"subscCats": [
  "cat1",
  "cat2"
]
},
"sm-data": {
  "umData": {
    "mk1": {
      "scopes": {
        "11-abc123": {
          "dnn": [
            "dnn1"
          ],
          "snssai": {
            "sd": "abc123",
            "sst": 11
          }
        }
      }
    },
    "limitId": "mk1",
    "name": "Weekend",
    "umLevel": "SERVICE_LEVEL",
    "resetTime": "2018-01-02T08:17:14.090Z",
    "allowedUsage": {
      "duration": 9000,
      "totalVolume": 8888,
      "uplinkVolume": 6666,
      "downlinkVolume": 7777
    },
    "customAllowedUsage": {
      "duration": 9000,

```



```

        "totalVolume": 8888,
        "downlinkVolume": 6666,
        "uplinkVolume": 7777
    },
    "serviceSpecific": 7777,
    "type": "",
    "grantedUsage": {
        "totalVolume": 8888,
        "downlinkVolume": 6666,
        "uplinkVolume": 7777,
        "duration": 3000
    },
    "grantedServiceSpecific": "",
    "quotaState": "",
    "refInstanceId": ""
    }
},
"umDataLimits": {
    "mk1": {
        "scopes": {
            "11-abc123": {
                "dnn": [
                    "dnn1"
                ],
                "snssai": {
                    "sd": "abc123",
                    "sst": 11
                }
            }
        }
    },
    "endDate": "2018-11-05T08:17:14.090Z",
    "limitId": "mk1",
    "umLevel": "SESSION_LEVEL",
    "startDate": "2018-09-05T08:17:14.090Z",
    "usageLimit": {
        "duration": 6000,
        "totalVolume": 9000,
        "uplinkVolume": 5000,
        "downlinkVolume": 4000
    },
    "resetPeriod": {
        "period": "YEARLY"
    },
    "Type": "",
    "name": "DynamicAggregateLimit",
    "priority": "",
    "initialServiceSpecific": 4000,
    "activationdatetime": "2021-09-05T08:17:14.090Z",
    "validityDuration": 300,
    "InterimReportingInterval": ""
    }
},
"smPolicySnssaiData": {
    "11-abc123": {
        "snssai": {
            "sd": "abc123",

```

```

"sst": 11
},
"smPolicyDnnData": {
  "dnn1": {
    "dnn": "dnn1",
    "bdtRefIds": {
      "xyz": "bdtRefIds",
      "abc": "xyz"
    },
    "gbrDL": "7788 Kbps",
    "gbrUL": "5566 Kbps",
    "online": true,
    "chfInfo": {
      "primaryChfAddress": "1.1.1.1",
      "secondaryChfAddress": "2.2.2.2"
    },
    "offline": true,
    "praInfos": {
      "p1": {
        "praId": "p1",
        "trackingAreaList": [{
          "plmnId": {
            "mcc": "976",
            "mnc": "32"
          },
          "tac": "5CB6"
        },
        {
          "plmnId": {
            "mcc": "977",
            "mnc": "33"
          },
          "tac": "5CB7"
        }
      ],
      "ecgiList": [{
        "plmnId": {
          "mcc": "976",
          "mnc": "32"
        },
        "eutraCellId": "92FFdBE"
      },
      {
        "plmnId": {
          "mcc": "977",
          "mnc": "33"
        },
        "eutraCellId": "8F868C4"
      }
    ],
    "ncgiList": [{
      "plmnId": {
        "mcc": "976",
        "mnc": "32"
      },
      "nrCellId": "b2fB6fE9D"
    }
  ]
}

```

```

    },
    {
      "plmnId": {
        "mcc": "977",
        "mnc": "33"
      },
      "nrCellId": "5d1B4127b"
    }
  ],
  "globalRanNodeIdList": [{
    "plmnId": {
      "mcc": "965",
      "mnc": "235"
    },
    "n3IwfId": "fFf0f2AFbFa16CEfE7"
  },
  {
    "plmnId": {
      "mcc": "967",
      "mnc": "238"
    },
    "gNbId": {
      "bitLength": 25,
      "gNbValue": "1A8F1D"
    }
  }
]
},
"ipv4Index": 0,
"ipv6Index": 0,
"subscCats": [
  "cat1",
  "cat2"
],
"adcSupport": true,
"mpsPriority": true,
"allowedServices": [
  "ser1",
  "ser2"
],
"mpsPriorityLevel": 2,
"imsSignallingPrio": true,
"refUmDataLimitIds": {
  "mk1": {
    "monkey": [
      "monkey1"
    ],
    "limitId": "mk1"
  }
},
"subscSpendingLimits": true
},
}
},
}
},
}

```

```

"VendorSpecific-000111": {
  "subscriber": {
    "IMSI": ["302370123456789"],
    "ACCOUNTID": ["178322212122"],
    "MSISDN": ["15145551234", "15141234567"],
    "BillingDay": 6,
    "Entitlement": ["DayPass", "DayPassPlus"],
    "custom2": "abc",
    "custom3": "abc123"
  },
  "state": {
    "property": [{
      "name": "mcc",
      "value": "123"
    }, {
      "name": "expire",
      "value": "201402-09T11:20:32"
    }],
    "version": 1
  }
},
"ue-policy-set": {
  "praInfos": {
    "p1": {
      "praId": "p1",
      "trackingAreaList": [{
        "plmnId": {
          "mcc": "976",
          "mnc": "32"
        },
        "tac": "5CB6"
      },
      {
        "plmnId": {
          "mcc": "977",
          "mnc": "33"
        },
        "tac": "5CB7"
      }
    ],
    "ecgiList": [{
      "plmnId": {
        "mcc": "976",
        "mnc": "32"
      },
      "eutraCellId": "92FFdBE"
    },
    {
      "plmnId": {
        "mcc": "977",
        "mnc": "33"
      },
      "eutraCellId": "8F868C4"
    }
  ],

```

```

        "ncgiList": [{
            "plmnId": {
                "mcc": "976",
                "mnc": "32"
            },
            "nrCellId": "b2fB6fE9D"
        },
        {
            "plmnId": {
                "mcc": "977",
                "mnc": "33"
            },
            "nrCellId": "5d1B4127b"
        }
    ],
    "globalRanNodeIdList": [{
        "plmnId": {
            "mcc": "965",
            "mnc": "235"
        },
        "n3IwfId": "fFf0f2AFbFa16CEfE7"
    },
    {
        "plmnId": {
            "mcc": "967",
            "mnc": "238"
        },
        "gNbId": {
            "bitLength": 25,
            "gNbValue": "1A8F1D"
        }
    }
    ]
},
"subscCats": [
    "cat1",
    "cat2"
],
"uePolicySections": {
    "33": {
        "upsi": "33",
        "uePolicySectionInfo": "MQ=="
    },
    "111": {
        "upsi": "111",
        "uePolicySectionInfo": "Mg0K"
    }
},
"upsis": [
    "111",
    "33"
],
"allowedRouteSelDescs": {
    "965-235": {
        "servingPlmn": {

```

```

        "mcc": "965",
        "mnc": "235"
    },
    "snssaiRouteSelDescs": [{
        "snssai": {
            "sd": "abc123",
            "sst": 11
        },
        "dnnRouteSelDescs": [{
            "dnn": "dnn1",
            "sscModes": [
                "SSC_MODE_1",
                "SSC_MODE_2"
            ],
            "pduSessTypes": [
                "IPV4"
            ]
        }
    ]
    }
},
"andspInd": true,
"pei": "imei-355375345274757",
"osIds": [
    "bceafb30-31bd-4b8d-b3c2-ed79d029531a",
    "cc9d9f97-0127-497c-9bca-79e8e9080ea8"
]
}
}

```

6.1.7 PUT - update am-data and delete sm-data

```

{
    "am-data": {
        "praInfos": {
            "p1": {
                "praId": "p1",
                "trackingAreaList": [{
                    "plmnId": {
                        "mcc": "976",
                        "mnc": "31"
                    },
                    "tac": "5CB6"
                },
                {
                    "plmnId": {
                        "mcc": "977",
                        "mnc": "33"
                    },
                    "tac": "5CB7"
                }
            ],
            "ecgiList": [{
                "plmnId": {
                    "mcc": "976",

```

```

        "mnc": "32"
      },
      "eutraCellId": "92FFdBE"
    },
    {
      "plmnId": {
        "mcc": "977",
        "mnc": "33"
      },
      "eutraCellId": "8F868C4"
    }
  ],
  "ncgiList": [{
    "plmnId": {
      "mcc": "976",
      "mnc": "32"
    },
    "nrCellId": "b2fB6fE9D"
  },
  {
    "plmnId": {
      "mcc": "977",
      "mnc": "33"
    },
    "nrCellId": "5d1B4127b"
  }
],
  "globalRanNodeIdList": [{
    "plmnId": {
      "mcc": "965",
      "mnc": "235"
    },
    "n3IwfId": "fFf0f2AFbFa16CEfE7"
  },
  {
    "plmnId": {
      "mcc": "967",
      "mnc": "238"
    },
    "gNbId": {
      "bitLength": 25,
      "gNbValue": "1A8F1D"
    }
  }
]
},
  "subscCats": [
    "cat1",
    "cat2"
  ]
},
  "sm-data": null
}

```

Delete all PCF data

```
{
  "sm-data": null,
  "am-data": null,
  "ue-policy-set": null
}
```

6.1.8 POST-Subscription Operations

```
"notificationUri":"http://mlu-pcf-api-gateway.mlu-pcf.svc/user-service/
userservice/notification/msisdn-1871587819", "monitoredResourceUris":
[ "https://localhost:9443/nudr-dr-prov/v1/policy-data/msisdn-1111111111/sm-
data" ], "supportedFeatures":"f", "expires": "2022-04-23T18:25:43.511Z"
}
```

6.1.9 PUT-Subscription Operations

```
{ "notificationUri":"http://mlu-pcf-api-gateway.mlu-pcf.svc/user-service/
userservice/notification/msisdn-1871587819", "monitoredResourceUris":
[ "https://localhost:9443/nudr-dr-prov/v1/policy-data/msisdn-1111111111/sm-
data" ], "supportedFeatures":"f", "expires": "2022-04-23T18:25:43.511Z" }
```

6.1.10 GET-Subscription Operations

```
{ "subscribedResources": [ "policy-data/msisdn-819191945001/am-data" ],
"expires": "2022-04-23T18:25:43.511Z", "supportedFeatures": "f",
"notificationUri": "http://http2-service.default.svc.cluster.local/policy-
data/uri1/" }
```

6.1.11 PUT or PATCH - Subscription Notification

```
[{'ue-id': 'msisdn-7777777779', 'smPolicyData': {'umData': {'mk1':
{'scopes': {'11-abc123': {'dnn': ['dnn1'], 'snssai': {'sd': 'abc123',
'sst': 11}}, '22-abc123': {'dnn': ['dnn2'], 'snssai': {'sd': 'abc123',
'sst': 22}}, '33-abc123': {'dnn': ['dnn1', 'dnn2'], 'snssai': {'sd':
'abc123', 'sst': 33}}}, 'limitId': 'mk1', 'umLevel': 'SERVICE_LEVEL',
'resetTime': {'period': 'YEARLY'}, 'allowedUsage': {'duration': 9000,
'totalVolume': 8888, 'uplinkVolume': 6666, 'downlinkVolume': 7777}}},
'umDataLimits': {'mk1': {'scopes': {'11-abc123': {'dnn': ['dnn1'],
'snssai': {'sd': 'abc123', 'sst': 11}}, '22-abc123': {'dnn': ['dnn2'],
'snssai': {'sd': 'abc123', 'sst': 22}}, '33-abc123': {'dnn': ['dnn1',
'dnn2'], 'snssai': {'sd': 'abc123', 'sst': 33}}}, 'endDate':
'2018-11-05T08:17:14.090Z', 'limitId': 'mk1', 'umLevel': 'SESSION_LEVEL',
'startDate': '2018-09-05T08:17:14.090Z', 'usageLimit': {'duration': 6000,
'totalVolume': 9000, 'uplinkVolume': 5000, 'downlinkVolume': 4000},
'resetPeriod': '2018-01-02T08:17:14.090Z'}}, 'smPolicySnssaiData':
{'11-abc123': {'snssai': {'sd': 'abc123', 'sst': 11}, 'smPolicyDnnData':
{'dnn1': {'dnn': 'dnn1', 'gbrDL': '7788 Kbps', 'gbrUL': '5566 Kbps',
```



```

'online': True, 'chfInfo': {'primaryChfAddress': '1.1.1.1',
'secondaryChfAddress': '2.2.2.2'}, 'offline': True, 'praInfos':
{'p1': {'praId': 'p1', 'ecgiList': [{'plmnId': {'mcc': '976', 'mnc': '32'},
'eutraCellId': '92FFdBE'}, {'plmnId': {'mcc': '977', 'mnc': '33'},
'eutraCellId': '8F868C4'}]}, 'ncgiList': [{'plmnId': {'mcc': '976', 'mnc':
'32'}, 'nrCellId': 'b2fB6fE9D'}, {'plmnId': {'mcc': '977', 'mnc': '33'},
'nrCellId': '5d1B4127b'}]}, 'trackingAreaList': [{'tac': '5CB6', 'plmnId':
{'mcc': '976', 'mnc': '32'}}, {'tac': '5CB7', 'plmnId': {'mcc': '977',
'mnc': '33'}}]}, 'globalRanNodeIdList': [{'plmnId': {'mcc': '965', 'mnc':
'235'}, 'n3IwfId': 'fFf0f2AFbFa16CEfE7'}, {'gNbId': {'gNBValue': '1A8F1D',
'bitLength': 25}, 'plmnId': {'mcc': '967', 'mnc': '238'}}]}], 'bdtRefIds':
{'abc': 'xyz', 'xyz': 'bdtRefIds'}, 'ipv4Index': 0, 'ipv6Index': 0,
'subscCats': ['cat1', 'cat2'], 'adcSupport': True, 'mpsPriority': True,
'allowedServices': ['ser1', 'ser2'], 'mpsPriorityLevel': 2,
'imsSignallingPrio': True, 'refUmDataLimitIds': {'mk1': {'monkey':
['monkey1'], 'limitId': 'mk1'}}, 'subscSpendingLimits': True}},
'22-abc123': {'snssai': {'sd': 'abc123', 'sst': 22}, 'smPolicyDnnData':
{'dnn2': {'dnn': 'dnn2', 'gbrDL': '7788 Kbps', 'gbrUL': '5566 Kbps',
'online': True, 'chfInfo': {'primaryChfAddress':
'1.1.1.1', 'secondaryChfAddress': '2.2.2.2'}, 'offline': True,
'praInfos': {'p1': {'praId': 'p1', 'ecgiList': [{'plmnId': {'mcc': '976',
'mnc': '32'}, 'eutraCellId': '92FFdBE'}, {'plmnId': {'mcc': '977', 'mnc':
'33'}, 'eutraCellId': '8F868C4'}]}, 'ncgiList':
[{'plmnId': {'mcc': '976', 'mnc': '32'}, 'nrCellId': 'b2fB6fE9D'},
{'plmnId': {'mcc': '977', 'mnc': '33'}, 'nrCellId': '5d1B4127b'}]},
'trackingAreaList': [{'tac': '5CB6', 'plmnId': {'mcc': '976', 'mnc': '32'}},
{'tac': '5CB7', 'plmnId': {'mcc': '977', 'mnc': '33'}}]},
'globalRanNodeIdList': [{'plmnId': {'mcc': '965', 'mnc': '235'},
'n3IwfId': 'fFf0f2AFbFa16CEfE7'}, {'gNbId': {'gNBValue': '1A8F1D',
'bitLength': 25}, 'plmnId': {'mcc': '967', 'mnc': '238'}}]}],
'ipv4Index': 0, 'ipv6Index': 0, 'subscCats': ['cat1', 'cat2'],
'adcSupport': True, 'mpsPriority': True, 'allowedServices':
['ser1', 'ser2'], 'mpsPriorityLevel': 2, 'imsSignallingPrio': True,
'refUmDataLimitIds': {'mk1': {'monkey': ['monkey1'], 'limitId': 'mk1'}},
'subscSpendingLimits': True}}, '33-abc123': {'snssai': {'sd': 'abc123',
'sst': 33}, 'smPolicyDnnData': {'dnn1': {'dnn': 'dnn1', 'gbrDL':
'7788 Kbps', 'gbrUL': '5566 Kbps', 'online': True, 'chfInfo':
{'primaryChfAddress': '1.1.1.1', 'secondaryChfAddress': '2.2.2.2'},
'offline': True, 'praInfos': {'p1': {'praId': 'p1', 'ecgiList':
[{'plmnId': {'mcc': '976', 'mnc': '32'}, 'eutraCellId': '92FFdBE'},
{'plmnId': {'mcc': '977', 'mnc': '33'}, 'eutraCellId': '8F868C4'}]},
'ncgiList': [{'plmnId': {'mcc': '976', 'mnc': '32'}, 'nrCellId':
'b2fB6fE9D'}, {'plmnId': {'mcc': '977', 'mnc': '33'}, 'nrCellId':
'5d1B4127b'}]}, 'trackingAreaList': [{'tac': '5CB6', 'plmnId':
{'mcc': '976', 'mnc': '32'}}, {'tac': '5CB7', 'plmnId':
{'mcc': '977', 'mnc': '33'}}]}, 'globalRanNodeIdList': [{'plmnId':
{'mcc': '965', 'mnc': '235'}, 'n3IwfId': 'fFf0f2AFbFa16CEfE7'}, {'gNbId':
{'gNBValue': '1A8F1D', 'bitLength': 25}, 'plmnId': {'mcc': '967',
'mnc': '238'}}]}], 'ipv4Index': 0, 'ipv6Index': 0, 'subscCats':
['cat1', 'cat2'], 'adcSupport': True, 'mpsPriority': True,
'allowedServices': ['ser1', 'ser2'], 'mpsPriorityLevel': 2,
'imsSignallingPrio': True, 'refUmDataLimitIds': {'mk1': {'monkey':
['monkey1'], 'limitId': 'mk1'}}, 'subscSpendingLimits': True}, 'dnn2':
{'dnn': 'dnn2', 'gbrDL': '7788 Kbps', 'gbrUL': '5566 Kbps', 'online':
True, 'chfInfo': {'primaryChfAddress': '1.1.1.1', 'secondaryChfAddress':
'2.2.2.2'}, 'offline': True, 'praInfos': {'p1': {'praId': 'p1',

```

```
'ecgiList': [{ 'plmnId': { 'mcc': '976', 'mnc': '32'}, 'eutraCellId':
'92FFdBE'}, { 'plmnId': { 'mcc': '977', 'mnc': '33'}, 'eutraCellId':
'8F868C4'}], 'ncgiList': [{ 'plmnId': { 'mcc': '976', 'mnc': '32'},
'nrCellId': 'b2fB6fE9D'}, { 'plmnId': { 'mcc': '977', 'mnc': '33'},
'nrCellId': '5d1B4127b'}], 'trackingAreaList': [{ 'tac': '5CB6',
'plmnId': { 'mcc': '976', 'mnc': '32'}},
{ 'tac': '5CB7', 'plmnId': { 'mcc': '977', 'mnc': '33'}}],
'globalRanNodeIdList': [{ 'plmnId': { 'mcc': '965', 'mnc': '235'},
'n3IwfId': 'fFf0f2AFbFa16CEfE7'}, { 'gNbId': { 'gNBValue': '1A8F1D',
'bitLength': 25}, 'plmnId': { 'mcc': '967', 'mnc': '238'}}]}],
'ipv4Index': 0, 'ipv6Index': 0, 'subscCats': ['cat1', 'cat2'],
'adcSupport': True, 'mpsPriority': True, 'allowedServices':
['ser1', 'ser2'], 'mpsPriorityLevel': 2, 'imsSignallingPrio': True,
'refUmDataLimitIds': { 'mk1': { 'monkey': ['monkey1'],
'limitId': 'mk1'}}}, 'subscSpendingLimits':
True}}}}}]
```

6.1.12 DELETE DATA - Subscription Notification

```
[{ 'ueId': 'msisdn-7777777779', 'smPolicyData': None}]
```

6.1.13 DELETE SUBSCRIBER - Subscription Notification

```
[{ 'ueId': 'msisdn-7777777779', 'uePolicySet': None,
'amPolicyData': None, 'smPolicyData': None, 'usageMonData':
: None}]
```

6.2 Payload Reference for Provisioning System

This section provides payload details for the following Provisioning System Operations.

- [POST - NEF Data](#)
- [POST-ProfileData](#)
- [Adding Custom Fields under Profile Data](#)
- [PUT-ProfileData](#)

6.2.1 POST-ProfileData

```
{
  "profile-data": {
    "MSISDN": ["1111111112", "1111111113"],
    "IMSI": ["2222222221", "2222222222", "2222222223"],
    "NAI": ["3333333331", "3333333332", "3333333333"]
  }
}
```

6.2.2 Adding Custom Fields under Profile Data

To add custom fields under profile data during initial subscriber provisioning (create subscriber):

```
{
  "profile-data": {
    "MSISDN": [
      "1111111112",
      "1111111113"
    ],
    "imsi": [
      "2222222221"
    ],
    "profile-fields": {
      "customFieldKey": "CustomValue"
    }
  }
}
```

6.2.3 PUT-ProfileData

```
{
  "profile-data": {
    "MSISDN": ["1111111112", "1111111113", "1111111114", "1111111115",
      "1111111116"],
    "IMSI": ["2222222221", "2222222222", "2222222223"],
    "NAI": ["3333333331", "3333333332", "3333333333"]
  }
}
```

6.2.4 POST - NEF Data

```
{
  "profile-data": {
    "MSISDN": [
      "9111111111",
      "9211111111",
      "1111111113"
    ],
    "profile-fields": {
      "customFieldKey": "CustomValue"
    }
  },
  "exposure-data": {
    "am-data": {},
    "pdu-sm-data": {}
  }
}
```

6.3 Payload Reference for UDM APIs

This section provides payload details for the following UDM APIs Operations.

- [PATCH-Amf3GppAccessRegistration](#)
- [PUT-Amf3GppAccessRegistration](#)
- [PUT-AmfNon3GppAccessRegistration](#)
- [PUT-SessionManagementSubscriptionData](#)
- [POST-SDMSubscriptions](#)
- [Post-SubscriptionDataSubscriptions](#)
- [PUT - SDMSubscriptions](#)

6.3.1 PATCH-Amf3GppAccessRegistration

```
case 1: REPLACE
[
  {
    "op" : "replace",
    "path" : "/mnc-mcc-amfId/backupAmfInfo/0/guamiList/0/plmnId/mcc",
    "value" : "998"
  }
]

case2: ADD
[
  {
    "op" : "add",
    "path" : "/mnc-mcc-amfId/backupAmfInfo/0/guamiList/1",
    "value" : {
      "amfId": "5678AA",
      "plmnId": {
        "mcc": "666",
        "mnc": "456"
      }
    }
  }
]

case3: REMOVE
[
  {
    "op" : "remove",
    "path" : "/mnc-mcc-amfId/backupAmfInfo/0/guamiList/2"
  }
]
```

6.3.2 PUT-Amf3GppAccessRegistration

```
{
  "amfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9",
  "supportedFeatures": "AF",
  "purgeFlag": true,
  "pei": "imei-1000000000000001",
```

```

    "imsVoPs": "HOMOGENEOUS_SUPPORT",
    "deregCallbackUri": "http://ocnrf-ambassador.default.svc.cluster.local/
nnrf-nfm/v1/nf-instances",
    "amfServiceNameDereg": "nudm-sdm",
    "pcscfRestorationCallbackUri": "http://ocnrf-
ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances",
    "amfServiceNamePcscfRest": "nausf-auth",
    "initialRegistrationInd": true,
    "guami": {
      "plmnId": {
        "mcc": "001",
        "mnc": "123"
      },
      "amfId": "1234AA"
    },
    "backupAmfInfo": [
      {
        "backupAmf":
"amf1.cluster1.net2.amf.5gc.mnc012.mcc345.3gppnetwork.org",
        "guamiList": [
          {
            "plmnId": {
              "mcc": "002",
              "mnc": "456"
            },
            "amfId": "5678AA"
          },
          {
            "plmnId": {
              "mcc": "003",
              "mnc": "789"
            },
            "amfId": "9876AA"
          }
        ]
      }
    ],
    "drFlag": true,
    "ratType": "WLAN",
    "urrrpIndicator": true,
    "amfEeSubscriptionId": "subscriptionId",
    "epsInterworkingInfo": {
      "dnn1": {
        "pgwFqdn": "hijklm",
        "smfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9"
      },
      "dnn2": {
        "pgwFqdn": "abcdefgh",
        "smfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b7"
      }
    }
  }
}

```

6.3.3 PUT-AmfNon3GppAccessRegistration

```
{
  "amfInstanceId" : "abae35e5-cc45-4016-8dd4-89598e5311b9",
  "supportedFeatures" : "AF",
  "purgeFlag" : true,
  "pei" : "imei-1000000000000001",
  "imsVoPs" : "HOMOGENEOUS_SUPPORT",
  "deregCallbackUri" : "http://ocnrf-ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances",
  "amfServiceNameDereg" : "nudm-sdm",
  "pcscfRestorationCallbackUri" : "http://ocnrf-ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances",
  "amfServiceNamePcscfRest" : "nausf-auth",
  "guami" : {
    "plmnId" : {
      "mcc" : "001",
      "mnc" : "123"
    },
    "amfId" : "1234AA"
  },
  "backupAmfInfo" : [
    {
      "backupAmf" : "amf1.cluster1.net2.amf.5gc.mnc012.mcc345.3gppnetwork.org",
      "guamiList" : [
        {
          "plmnId" : {
            "mcc" : "002",
            "mnc" : "456"
          },
          "amfId" : "5678AA"
        },
        {
          "plmnId" : {
            "mcc" : "003",
            "mnc" : "789"
          },
          "amfId" : "9876AA"
        }
      ]
    }
  ],
  "ratType" : "WLAN",
  "amfEeSubscriptionId" : "subscriptionId",
  "urrrIndicator" : true
}
```

6.3.4 PUT-SessionManagementSubscriptionData

```
{
  "singleNssai": {
    "sd": "ABC654",
    "sst": 1
  },
  "internalGroupIds": [
    "9ABAB803-203-299-95A9",
    "9ABAB803-203-299-95A2",
    "79e0c480-719-085-f2A55e6DDc91Df802438"
  ],
  "dnnConfigurations": {
    "dnn1": {
      "sscModes": {
        "defaultSscMode": "SSC_MODE_1",
        "allowedSscModes": [
          "SSC_MODE_2",
          "SSC_MODE_3"
        ]
      },
      "iwkEpsInd": true,
    }
  }
}
```

```

        "upSecurity": {
            "upConfid": "REQUIRED",
            "upIntegr": "REQUIRED"
        },
        "sessionAmbr": {
            "uplink": "125 Mbps",
            "downlink": "25 Mbps"
        },
        "5gQosProfile": {
            "5qi": 123,
            "arp": {
                "preemptCap": "MAY_PREEMPT",
                "preemptVuln": "PREEMPTABLE",
                "priorityLevel": 1
            },
            "priorityLevel": 79
        },
        "pduSessionTypes": {
            "defaultSessionType": "IPv4",
            "allowedSessionTypes": [
                "IPv6",
                "IPv4V6",
                "UNSTRUCTURED",
                "ETHERNET"
            ]
        },
        "staticIpAddress": [
            {
                "ipv4Addr": "11.11.11.1"
            },
            {
                "ipv4Addr": "11.11.11.2"
            }
        ],
        "3gppChargingCharacteristics": "123A"
    },
    "sharedDnnConfigurationsId": "85868-mZE$cy",
    "odbPacketServices": "ALL_PACKET_SERVICES"
}

```

6.3.5 POST-SDMSubscriptions

```

{
    "nfInstanceId": "cb59c48c-a2fa-11e9-a2a3-2a2ae2dbcce4",
    "expires": "2012-04-23T18:25:43.511Z",
    "implicitUnsubscribe": true,
    "dnn": "sasa",
    "singleNssai": {
        "sd": "651Bf9",
        "sst": 23
    },
    "callbackReference": "udr",
    "amfServiceName": "nnrf-nfm",
    "monitoredResourceUris": [

```

```

        "http://sims-udr-2-udr-simulator.sims-udr-2:5807/nudr-dr/v2/
subscription-data/nai-990991@nai/context-data/amf-3gpp-access"
    ],
    "plmnId": {
        "mnc": "124",
        "mcc": "123"
    },
    "subscriptionId": "sa"
}

```

6.3.6 Post-SubscriptionDataSubscriptions

```

{
    "callbackReference": "http://10.75.212.167:8787",
    "originalCallbackReference": "http://10.75.212.167:8787",
    "ueId": "nai-990991@nai",
    "subscriptionId": "7",
    "monitoredResourceUris": [
        "http://sims-udr-2-udr-simulator.sims-udr-2:5807/nudr-dr/v2/
subscription-data/nai-990991@nai/context-data/amf-3gpp-access"
    ],
    "expiry": "2020-01-02T08:17:14.090Z",
    "supportedFeatures": "f",
    "sdmSubscription": {
        "nfInstanceId": "cb59c48c-a2fa-11e9-a2a3-2a2ae2dbcce4",
        "expires": "2012-04-23T18:25:43.511Z",
        "implicitUnsubscribe": true,
        "dnn": "sasb",
        "singleNssai": {
            "sd": "651Bf9",
            "sst": 23
        }
    },
    "callbackReference": "udr",
    "amfServiceName": "nnrf-nfm",
    "monitoredResourceUris": [
        "http://sims-udr-2-udr-simulator.sims-udr-2:5807/nudr-dr/v2/
subscription-data/nai-919090909010@nai/context-data/amf-3gpp-access"
    ],
    "plmnId": {
        "mnc": "124",
        "mcc": "123"
    },
    "subscriptionId": "sa"
}

```

6.3.7 PUT - SDMSubscriptions

```

{
    "nfInstanceId": "cb59c48c-a2fa-11e9-a2a3-2a2ae2dbcce4",
    "expires": "2012-04-23T18:25:43.511Z",
    "implicitUnsubscribe": true,
    "dnn": "sasa",
}

```



```

"singleNssai": {
  "sd": "651Bf9",
  "sst": 23
},
"callbackReference": "udr",
"amfServiceName": "nnrf-nfm",
"monitoredResourceUris": [
  "http://sims-udr-2-udr-simulator.sims-udr-2:5807/nudr-dr/v2/subscription-
  data/nai-990991@nai/context-data/amf-3gpp-access"
],
"plmnId": {
  "mnc": "124",
  "mcc": "123"
},
"subscriptionId": "sb"
}

```

6.4 Response Reference for UDM APIs

This section provides output details for the following UDM APIs.

6.4.1 GET-ContextData

Following is the Result Code when the Sample URL is: <http://localhost:8080/nudr-dr/v2/subscription-data/imsi-911000000028/context-data>

```

{
  "amfNon3Gpp": {
    "imsVoPs": "HOMOGENEOUS_SUPPORT",
    "deregCallbackUri": "http://ocnrf-
    ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances",
    "purgeFlag": true,
    "supportedFeatures": "AF",
    "ratType": "WLAN",
    "urrrIndicator": true,
    "amfServiceNameDereg": "nudm-sdm",
    "amfServiceNamePcscfRest": "nausf-auth",
    "guami": {
      "plmnId": {
        "mnc": "123",
        "mcc": "001"
      },
      "amfId": "1234AA"
    },
    "pei": "imei-1000000000000001",
    "amfEeSubscriptionId": "subscriptionId",
    "amfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9",
    "pcscfRestorationCallbackUri": "http://ocnrf-
    ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances",
    "backupAmfInfo": [
      {
        "backupAmf":
        "amf1.cluster1.net2.amf.5gc.mnc012.mcc345.3gppnetwork.org",
        "guamiList": [

```

```

        {
            "plmnId": {
                "mnc": "456",
                "mcc": "002"
            },
            "amfId": "5678AA"
        },
        {
            "plmnId": {
                "mnc": "789",
                "mcc": "003"
            },
            "amfId": "9876AA"
        }
    ]
}

    ],
    "smsf3GppAccess": {
        "smsfInstanceId": "69d3da66-9e25-11e9-a2a3-2a2ae2dbcce4",
        "supportedFeatures": "BA2b5d3b977eF2458EEC80592E",
        "smsfMAPAddress": "977347916",
        "plmnId": {
            "mnc": "45",
            "mcc": "452"
        },
        "smsfDiameterAddress": {
            "name":
                "uLmBAnz2b7S60evNkC7tHvcEZidEXppNIp7Le9yXzucgboiXFRkYg6597Lbi31n0BxEBV2ZePCfKp
                UiEB0ULZMxudPsPepud.emteshurwldooeh",
            "realm":
                "uLmBAnz2b7S60evNkC7tHvcEZidEXppNIp7Le9yXzucgboiXFRkYg6597Lbi31n0BxEBV2ZePCfKp
                UiEB0ULZMxudPsPepud.emteshurwldooeh"
        }
    },
    "amf3Gpp": {
        "imsVoPs": "HOMOGENEOUS_SUPPORT",
        "deregCallbackUri": "http://ocnrf-
        ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances",
        "purgeFlag": true,
        "supportedFeatures": "AF",
        "ratType": "WLAN",
        "urrrpIndicator": true,
        "amfServiceNameDereg": "nudm-sdm",
        "amfServiceNamePcscfRest": "nausf-auth",
        "guami": {
            "plmnId": {
                "mnc": "123",
                "mcc": "001"
            },
            "amfId": "1234AA"
        },
        "pei": "imei-100000000000000001",
        "amfEeSubscriptionId": "subscriptionId",
        "drFlag": true,
        "amfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9",
    }
}

```

```

        "pcscfRestorationCallbackUri": "http://ocnrf-
ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances",
        "backupAmfInfo": [
            {
                "backupAmf":
"amf1.cluster1.net2.amf.5gc.mnc012.mcc345.3gppnetwork.org",
                "guamiList": [
                    {
                        "plmnId": {
                            "mnc": "456",
                            "mcc": "002"
                        },
                        "amfId": "5678AA"
                    },
                    {
                        "plmnId": {
                            "mnc": "789",
                            "mcc": "003"
                        },
                        "amfId": "9876AA"
                    }
                ]
            }
        ],
        "epsInterworkingInfo": {
            "dnn2": {
                "smfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b7",
                "pgwFqdn": "abcdefgh"
            },
            "dnn1": {
                "smfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9",
                "pgwFqdn": "hijklm"
            }
        },
        "initialRegistrationInd": true
    },
    "smsfNon3GppAccess": {
        "smsfInstanceId": "69d3da66-9e25-11e9-a2a3-2a2ae2dbcce4",
        "supportedFeatures": "BA2b5d3b977eF2458EEC80592E",
        "smsfMAPAddress": "977347916",
        "plmnId": {
            "mnc": "45",
            "mcc": "452"
        },
        "smsfDiameterAddress": {
            "name":
"uLmBAnz2b7S60evNkC7tHvcEZidEXppNIp7Le9yXzucgboiXFRkYg6597LBi31n0BxEbV2ZePCfKp
UiEB0ULZMxudPsPepud.emteshurwldooeh",
            "realm":
"uLmBAnz2b7S60evNkC7tHvcEZidEXppNIp7Le9yXzucgboiXFRkYg6597LBi31n0BxEbV2ZePCfKp
UiEB0ULZMxudPsPepud.emteshurwldooeh"
        }
    }
}

```

6.4.2 GET - Context Data - SMSF

```
{
  "smsf3GppAccess": {
    "smsfInstanceId": "69d3da66-9e25-11e9-a2a3-2a2ae2dbcce4",
    "supportedFeatures": "BA2b5d3b977eF2458EEC80592E",
    "smsfMAPAddress": "977347916",
    "plmnId": {
      "mnc": "45",
      "mcc": "452"
    },
    "smsfDiameterAddress": {
      "name":
        "uLmBAnz2b7S60evNkC7tHvcEZidEXppNIp7Le9yXzucgboiXFRkYg6597Lbi31n0BxEBV2ZePCfKp
        UiEB0ULZMxudPsPepud.emteshurwldooeh",
      "realm":
        "uLmBAnz2b7S60evNkC7tHvcEZidEXppNIp7Le9yXzucgboiXFRkYg6597Lbi31n0BxEBV2ZePCfKp
        UiEB0ULZMxudPsPepud.emteshurwldooeh"
    }
  }
}
```

6.4.3 GET-ProvisionedData

Below is the output when the Sample URL is: <http://localhost:8080/nudr-dr/v2/subscription-data/imsi-911000000089/77889/provisioned-data>.

```
{
  "amData": {
    "upuInfo": {
      "upuAckInd": true,
      "upuRegInd": true,
      "upuDataList": [
        {
          "secPacket": "aGVsbG8="
        }
      ],
      "provisioningTime": "2012-04-23T18:25:43.511Z",
      "upuMacIausf": "E0b0cCF4EcCC5CA55DBfeA3B2Ad3aE80",
      "counterUpu": "3Ab5"
    },
    "supportedFeatures": "692F296F2Cb3BCA76Bc1E126FeEC12",
    "mcsPriority": true,
    "activeTime": 3,
    "subscribedDnnList": [
      "hello",
      "ocudr"
    ],
    "subscribedUeAmbr": {
      "uplink": "123 Gbps",
      "downlink": "12 Gbps"
    },
    "sharedAmDataIds": [
```

```

        "62626-esp}W3A?hIgZ{47Qiuuj@GR:Ped>@k`Px,76390-Cd[s[TECI"
    ],
    "coreNetworkTypeRestrictions": [
        "5GC",
        "EPC"
    ],
    "nssai": {
        "supportedFeatures": "692F296F2Cb3BCA76Bc1E126FeEC12",
        "defaultSingleNssais": [
            {
                "sd": "abc123",
                "sst": 1
            },
            {
                "sd": "abc124",
                "sst": 2
            }
        ],
        "singleNssais": [
            {
                "sd": "abc789",
                "sst": 3
            },
            {
                "sd": "abc799",
                "sst": 5
            }
        ]
    },
    "dlPacketCount": -1,
    "gpsis": [
        "msisdn-1585632",
        "msisdn-2969851"
    ],
    "rfspIndex": 123,
    "mpsPriority": true,
    "forbiddenAreas": [
        {
            "tacs": [
                "d11fdA",
                "EcccaD"
            ]
        }
    ],
    "serviceAreaRestriction": {
        "restrictionType": "ALLOWED_AREAS",
        "maxNumOfTAs": 23,
        "areas": [
            {
                "tacs": [
                    "d11fdA",
                    "EcccaD"
                ]
            }
        ]
    }
},

```

```

"odbPacketServices": "ALL_PACKET_SERVICES",
"sorInfo": {
  "sorMacIausf": "Bf85A791dCCDa7D6d9754264F02EDcBc",
  "steeringContainer": [
    {
      "plmnId": {
        "mnc": "456",
        "mcc": "123"
      },
      "accessTechList": [
        "NR"
      ]
    }
  ],
  "provisioningTime": "2012-04-23T18:25:43.511Z",
  "countersor": "8ebc",
  "ackInd": true
},
"ratRestrictions": [
  "NR",
  "WLAN",
  "EUTRA",
  "VIRTUAL"
],
"subsRegTimer": 2,
"ueUsageType": 9,
"internalGroupIds": [
  "E1465DF5-483-159-Fc23DE491edb354dABAA",
  "51e851ea-577-297-Ef4d7Cf28CaC0D"
],
"micoAllowed": true
},
"smfSelData": {
  "supportedFeatures": "692F296F2Cb3BCA76Bc1E126FeEC12",
  "subscribedSnssaiInfos": {
    "snsai1": {
      "dnnInfos": [
        {
          "defaultDnnIndicator": true,
          "iwkEpsInd": true,
          "dnn": "Dnn1",
          "lboRoamingAllowed": true
        },
        {
          "defaultDnnIndicator": false,
          "iwkEpsInd": true,
          "dnn": "Dnn2",
          "lboRoamingAllowed": true
        }
      ]
    }
  ]
},
"sharedSnssaiInfosId": "96367-9z}MD*"
},
"smData": {
  "2": {

```

```

"dnnConfigurations": {
  "dnn1": {
    "iwbEpsInd": true,
    "sessionAmbr": {
      "uplink": "125 Mbps",
      "downlink": "25 Mbps"
    },
    "5gQosProfile": {
      "priorityLevel": 79,
      "5qi": 123,
      "arp": {
        "preemptCap": "MAY_PREEMPT",
        "priorityLevel": 1,
        "preemptVuln": "PREEMPTABLE"
      }
    },
    "upSecurity": {
      "upIntegr": "REQUIRED",
      "upConfid": "REQUIRED"
    },
    "sscModes": {
      "allowedSscModes": [
        "SSC_MODE_2",
        "SSC_MODE_3"
      ],
      "defaultSscMode": "SSC_MODE_1"
    },
    "3gppChargingCharacteristics": "123A",
    "pduSessionTypes": {
      "defaultSessionType": "IPv4",
      "allowedSessionTypes": [
        "IPv6",
        "IPv4V6",
        "UNSTRUCTURED",
        "ETHERNET"
      ]
    },
    "staticIpAddress": [
      {
        "ipv4Addr": "11.11.11.1"
      },
      {
        "ipv4Addr": "11.11.11.2"
      }
    ]
  },
  "singleNssai": {
    "sst": 2
  },
  "odbPacketServices": "ALL_PACKET_SERVICES",
  "internalGroupIds": [
    "9ABAB803-203-299-95A9",
    "9ABAB803-203-299-95A2",
    "79e0c480-719-085-f2A55e6DDc91Df802438"
  ],

```

```

    "sharedDnnConfigurationsId": "85868-mZE$cy"
  },
  "3": {
    "dnnConfigurations": {
      "dnn1": {
        "iwkEpsInd": true,
        "sessionAmbr": {
          "uplink": "125 Mbps",
          "downlink": "25 Mbps"
        },
        "5gQosProfile": {
          "priorityLevel": 79,
          "5qi": 123,
          "arp": {
            "preemptCap": "MAY_PREEMPT",
            "priorityLevel": 1,
            "preemptVuln": "PREEMPTABLE"
          }
        },
        "upSecurity": {
          "upIntegr": "REQUIRED",
          "upConfid": "REQUIRED"
        },
        "sscModes": {
          "allowedSscModes": [
            "SSC_MODE_2",
            "SSC_MODE_3"
          ],
          "defaultSscMode": "SSC_MODE_1"
        },
        "3gppChargingCharacteristics": "123A",
        "pduSessionTypes": {
          "defaultSessionType": "IPv4",
          "allowedSessionTypes": [
            "IPv6",
            "IPv4V6",
            "UNSTRUCTURED",
            "ETHERNET"
          ]
        },
        "staticIpAddress": [
          {
            "ipv4Addr": "11.11.11.1"
          },
          {
            "ipv4Addr": "11.11.11.2"
          }
        ]
      }
    },
    "singleNssai": {
      "sst": 3
    },
    "OdbPacketServices": "ALL_PACKET_SERVICES",
    "internalGroupIds": [
      "9ABAB803-203-299-95A9",

```



```

        "9ABAB803-203-299-95A2",
        "79e0c480-719-085-f2A55e6DDc91Df802438"
    ],
    "sharedDnnConfigurationsId": "85868-mZE$cy"
  }
},
"traceData": {
  "eventList": "855B5bf7beC3AFB8c",
  "collectionEntityIpv6Addr": "2001:db8:85a3::8a2e:370:7334",
  "collectionEntityIpv4Addr": "26.118.255.253",
  "traceRef": "070207-baE6Dd",
  "neTypeList": "0f4FBefe95bF8",
  "traceDepth": "MINIMUM"
},
"smsMngData": {
  "moSmsBarringAll": true,
  "supportedFeatures": "CAe8de215CFa721BB2AE7Ef9c5f71a2e",
  "mtSmsBarringRoaming": false,
  "mtSmsSubscribed": true,
  "moSmsBarringRoaming": true,
  "mtSmsBarringAll": true,
  "moSmsSubscribed": false,
  "sharedSmsMngDataIds": [
    "16994-'JD",
    "693599-9~~GX"
  ]
},
"smsSubsData": {
  "sharedSmsSubsDataId": [
    "372063-P",
    "372063-0"
  ],
  "smsSubscribed": true
}
}

```

Below is the output when the Sample URL is <http://localhost:8080/nudr-dr/v2/subscription-data/imsi-911000000089/77889/provisioned-data?dataset-names=AM,SM>

```

{
  "amData": {
    "upuInfo": {
      "upuAckInd": true,
      "upuRegInd": true,
      "upuDataList": [
        {
          "secPacket": "aGVsbG8="
        }
      ],
      "provisioningTime": "2012-04-23T18:25:43.511Z",
      "upuMacIausf": "E0b0cCF4Eccc5CA55DBfeA3B2Ad3aE80",
      "counterUpu": "3Ab5"
    },
    "supportedFeatures": "692F296F2Cb3BCA76Bc1E126FeEC12",
    "mcsPriority": true,
  }
}

```

```

    "activeTime": 3,
    "subscribedDnnList": [
      "hello",
      "ocudr"
    ],
    "subscribedUeAmbr": {
      "uplink": "123 Gbps",
      "downlink": "12 Gbps"
    },
    "sharedAmDataIds": [
      "62626-esp}W3A?hIgZ{47Qiuuj@GR:Ped>@k`Px,76390-Cd[s[TECI"
    ],
    "coreNetworkTypeRestrictions": [
      "5GC",
      "EPC"
    ],
    "nssai": {
      "supportedFeatures": "692F296F2Cb3BCA76Bc1E126FeEC12",
      "defaultSingleNssais": [
        {
          "sd": "abc123",
          "sst": 1
        },
        {
          "sd": "abc124",
          "sst": 2
        }
      ],
      "singleNssais": [
        {
          "sd": "abc789",
          "sst": 3
        },
        {
          "sd": "abc799",
          "sst": 5
        }
      ]
    },
    "dlPacketCount": -1,
    "gpsis": [
      "msisdn-1585632",
      "msisdn-2969851"
    ],
    "rfspIndex": 123,
    "mpsPriority": true,
    "forbiddenAreas": [
      {
        "tacs": [
          "d11fdA",
          "EcccaD"
        ]
      }
    ],
    "serviceAreaRestriction": {
      "restrictionType": "ALLOWED_AREAS",

```

```

        "maxNumOfTAs": 23,
        "areas": [
            {
                "tacs": [
                    "d11fdA",
                    "EcccaD"
                ]
            }
        ]
    },
    "odbPacketServices": "ALL_PACKET_SERVICES",
    "sorInfo": {
        "sorMacIausf": "Bf85A791dCCDa7D6d9754264F02EDcBc",
        "steeringContainer": [
            {
                "plmnId": {
                    "mnc": "456",
                    "mcc": "123"
                },
                "accessTechList": [
                    "NR"
                ]
            }
        ],
        "provisioningTime": "2012-04-23T18:25:43.511Z",
        "countersor": "8ebc",
        "ackInd": true
    },
    "ratRestrictions": [
        "NR",
        "WLAN",
        "EUTRA",
        "VIRTUAL"
    ],
    "subsRegTimer": 2,
    "ueUsageType": 9,
    "internalGroupIds": [
        "E1465DF5-483-159-Fc23DE491edb354dABAA",
        "51e851ea-577-297-Ef4d7Cf28CaC0D"
    ],
    "micoAllowed": true
},
"smData": {
    "2": {
        "dnnConfigurations": {
            "dnn1": {
                "iwkEpsInd": true,
                "sessionAmbr": {
                    "uplink": "125 Mbps",
                    "downlink": "25 Mbps"
                },
                "5gQosProfile": {
                    "priorityLevel": 79,
                    "5qi": 123,
                    "arp": {
                        "preemptCap": "MAY_PREEMPT",

```

```

        "priorityLevel": 1,
        "preemptVuln": "PREEMPTABLE"
    },
    "upSecurity": {
        "upIntegr": "REQUIRED",
        "upConfid": "REQUIRED"
    },
    "sscModes": {
        "allowedSscModes": [
            "SSC_MODE_2",
            "SSC_MODE_3"
        ],
        "defaultSscMode": "SSC_MODE_1"
    },
    "3gppChargingCharacteristics": "123A",
    "pduSessionTypes": {
        "defaultSessionType": "IPv4",
        "allowedSessionTypes": [
            "IPv6",
            "IPv4V6",
            "UNSTRUCTURED",
            "ETHERNET"
        ]
    },
    "staticIpAddress": [
        {
            "ipv4Addr": "11.11.11.1"
        },
        {
            "ipv4Addr": "11.11.11.2"
        }
    ]
},
"singleNssai": {
    "sst": 2
},
"odbPacketServices": "ALL_PACKET_SERVICES",
"internalGroupIds": [
    "9ABAB803-203-299-95A9",
    "9ABAB803-203-299-95A2",
    "79e0c480-719-085-f2A55e6DDc91Df802438"
],
"sharedDnnConfigurationsId": "85868-mZE$cy"
},
"3": {
    "dnnConfigurations": {
        "dnn1": {
            "iwkEpsInd": true,
            "sessionAmbr": {
                "uplink": "125 Mbps",
                "downlink": "25 Mbps"
            },
            "5gQosProfile": {
                "priorityLevel": 79,

```

```

        "5qi": 123,
        "arp": {
            "preemptCap": "MAY_PREEMPT",
            "priorityLevel": 1,
            "preemptVuln": "PREEMPTABLE"
        }
    },
    "upSecurity": {
        "upIntegr": "REQUIRED",
        "upConfid": "REQUIRED"
    },
    "sscModes": {
        "allowedSscModes": [
            "SSC_MODE_2",
            "SSC_MODE_3"
        ],
        "defaultSscMode": "SSC_MODE_1"
    },
    "3gppChargingCharacteristics": "123A",
    "pduSessionTypes": {
        "defaultSessionType": "IPv4",
        "allowedSessionTypes": [
            "IPv6",
            "IPv4V6",
            "UNSTRUCTURED",
            "ETHERNET"
        ]
    },
    "staticIpAddress": [
        {
            "ipv4Addr": "11.11.11.1"
        },
        {
            "ipv4Addr": "11.11.11.2"
        }
    ]
},
"singleNssai": {
    "sst": 3
},
"odbPacketServices": "ALL_PACKET_SERVICES",
"internalGroupIds": [
    "9ABAB803-203-299-95A9",
    "9ABAB803-203-299-95A2",
    "79e0c480-719-085-f2A55e6DDc91Df802438"
],
"sharedDnnConfigurationsId": "85868-mZE$cy"
}
}
}

```

6.4.4 PUT-AccessAndMobilitySubscriptionData

```
{
  "gpsis": [
    "msisdn-1585632",
    "msisdn-2969851"
  ],
  "nssai": {
    "singleNssais": [
      {
        "sd": "abc789",
        "sst": 3
      },
      {
        "sd": "abc799",
        "sst": 5
      }
    ],
    "supportedFeatures": "692F296F2Cb3BCA76Bc1E126FeEC12",
    "defaultSingleNssais": [
      {
        "sd": "abc123",
        "sst": 1
      },
      {
        "sd": "abc124",
        "sst": 2
      }
    ]
  },
  "sorInfo": {
    "ackInd": true,
    "countersor": "8ebc",
    "sorMacIausf": "Bf85A791dCCDa7D6d9754264F02EDcBc",
    "provisioningTime": "2012-04-23T18:25:43.511Z",
    "steeringContainer": [
      {
        "plmnId": {
          "mcc": "123",
          "mnc": "456"
        }
      }
    ],
    "accessTechList": [
      "NR"
    ]
  },
  "upuInfo": {
    "upuAckInd": true,
    "upuRegInd": true,
    "counterUpu": "3Ab5",
    "upuDataList": [
      {
        "secPacket": "aGVsbG8="
      }
    ]
  }
}
```

```

    }
  ],
  "upuMacIausf": "E0b0cCF4EcCC5CA55DBfeA3B2Ad3aE80",
  "provisioningTime": "2012-04-23T18:25:43.511Z"
},
"rfspIndex": 123,
"activeTime": 3,
"mcsPriority": true,
"micoAllowed": true,
"mpsPriority": true,
"ueUsageType": 9,
"subsRegTimer": 2,
"d1PacketCount": -1,
"forbiddenAreas": [
  {
    "tacs": [
      "d11fdA",
      "EcccaD"
    ]
  }
],
"ratRestrictions": [
  "NR",
  "WLAN",
  "EUTRA",
  "VIRTUAL"
],
"sharedAmDataIds": [
  "62626-esp}W3A?hIgZ{47Qiuuj@GR:Ped>@k`Px,76390-Cd[s[TECI"
],
"internalGroupIds": [
  "E1465DF5-483-159-Fc23DE491edb354dABAA",
  "51e851ea-577-297-Ef4d7Cf28CaC0D"
],
"subscribedUeAmbr": {
  "uplink": "123 Gbps",
  "downlink": "12 Gbps"
},
"odbPacketServices": "ALL_PACKET_SERVICES",
"subscribedDnnList": [
  "hello",
  "ocudr"
],
"supportedFeatures": "692F296F2Cb3BCA76Bc1E126FeEC12",
"serviceAreaRestriction": {
  "areas": [
    {
      "tacs": [
        "d11fdA",
        "EcccaD"
      ]
    }
  ]
},
"maxNumOfTAs": 23,
"restrictionType": "ALLOWED_AREAS"
},

```

```

        "coreNetworkTypeRestrictions": [
            "5GC",
            "EPC"
        ]
    }

```

6.4.5 GET-Amf3GppAccessRegistration

Below is the output when the sample URL is `http://localhost:8080/nudr-dr/v2/subscription-data/imsi-911000000028/context-data/amf-3gpp-access`.

```

{
    "imsVoPs": "HOMOGENEOUS_SUPPORT",
    "deregCallbackUri": "http://ocnrf-ambassador.default.svc.cluster.local/
nnrf-nfm/v1/nf-instances",
    "purgeFlag": true,
    "supportedFeatures": "AF",
    "ratType": "WLAN",
    "urrrpIndicator": true,
    "amfServiceNameDereg": "nudm-sdm",
    "amfServiceNamePcscfRest": "nausf-auth",
    "guami": {
        "plmnId": {
            "mnc": "123",
            "mcc": "001"
        },
        "amfId": "1234AA"
    },
    "pei": "imei-1000000000000001",
    "amfEeSubscriptionId": "subscriptionId",
    "drFlag": true,
    "amfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9",
    "pcscfRestorationCallbackUri": "http://ocnrf-
ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances",
    "backupAmfInfo": [
        {
            "backupAmf":
"amf1.cluster1.net2.amf.5gc.mnc012.mcc345.3gppnetwork.org",
            "guamiList": [
                {
                    "plmnId": {
                        "mnc": "456",
                        "mcc": "002"
                    },
                    "amfId": "5678AA"
                },
                {
                    "plmnId": {
                        "mnc": "789",
                        "mcc": "003"
                    },
                    "amfId": "9876AA"
                }
            ]
        }
    ]
}

```



```

    ],
    "epsInterworkingInfo": {
      "dnn2": {
        "smfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b7",
        "pgwFqdn": "abcdefgh"
      },
      "dnn1": {
        "smfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9",
        "pgwFqdn": "hijklm"
      }
    },
    "initialRegistrationInd": true
  }
}

```

Below is the output when the sample URL is <http://localhost:8080/nudr-dr/v2/subscription-data/imsi-911000000028/context-data/amf-3gpp-access?fields=pei,ratType,epsInterworkingInfo,backupAmfInfo,drFlag>

```

{
  "pei": "imei-100000000000000001",
  "drFlag": true,
  "ratType": "WLAN",
  "backupAmfInfo": [
    {
      "AmfName":
"amf1.cluster1.net2.amf.5gc.mnc012.mcc345.3gppnetwork.org",
      "guamiList": [
        {
          "plmnId": {
            "mnc": "456",
            "mcc": "002"
          },
          "amfId": "5678AA"
        },
        {
          "plmnId": {
            "mnc": "789",
            "mcc": "003"
          },
          "amfId": "9876AA"
        }
      ]
    }
  ],
  "epsInterworkingInfo": {
    "dnn2": {
      "smfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b7",
      "pgwFqdn": "abcdefgh"
    },
    "dnn1": {
      "smfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9",
      "pgwFqdn": "hijklm"
    }
  }
}

```

```
    }
  }
```

6.4.6 PATCH-Amf3GppAccessRegistration

```
case 1: REPLACE
[
  {
    "op" : "replace",
    "path" : "/mnc-mcc-amfId/backupAmfInfo/0/guamiList/0/plmnId/mcc",
    "value" : "998"
  }
]

case2: ADD
[
  {
    "op" : "add",
    "path" : "/mnc-mcc-amfId/backupAmfInfo/0/guamiList/1",
    "value" : {
      "amfId": "5678AA",
      "plmnId": {
        "mcc": "666",
        "mnc": "456"
      }
    }
  }
]

case3: REMOVE
[
  {
    "op" : "remove",
    "path" : "/mnc-mcc-amfId/backupAmfInfo/0/guamiList/2"
  }
]
```

6.4.7 PUT-AmfNon3GppAccessRegistration

```
{
  "amfInstanceId" : "abae35e5-cc45-4016-8dd4-89598e5311b9",
  "supportedFeatures" : "AF",
  "purgeFlag" : true,
  "pei" : "imei-1000000000000001",
  "imsVoPs" : "HOMOGENEOUS_SUPPORT",
  "deregCallbackUri" : "http://ocnrf-ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances",
  "amfServiceNameDereg" : "nudm-sdm",
  "pcscfRestorationCallbackUri" : "http://ocnrf-ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances",
  "amfServiceNamePcscfRest" : "nausf-auth",
  "guami" : {
    "plmnId" : {
      "mcc" : "001",
      "mnc" : "123"
    }
  },
  "amfId" : "1234AA"
}
```

```

    },
    "backupAmfInfo" : [
      {
        "backupAmf" : "amf1.cluster1.net2.amf.5gc.mnc012.mcc345.3gppnetwork.org",
        "guamiList" : [
          {
            "plmnId" : {
              "mcc" : "002",
              "mnc" : "456"
            },
            "amfId" : "5678AA"
          },
          {
            "plmnId" : {
              "mcc" : "003",
              "mnc" : "789"
            },
            "amfId" : "9876AA"
          }
        ]
      },
      {
        "ratType" : "WLAN",
        "amfEeSubscriptionId" : "subscriptionId",
        "urrrpIndicator" : true
      }
    ]
  }

```

6.4.8 GET-AmfNon3GppAccessRegistration

The output of **Sample URI**: `http://localhost:8080/nudr-dr/v2/subscription-data/imsi-911000000028/context-data/amf-non-3gpp-access` is:

```

{
  "pei": "imei-1000000000000001",
  "guami": {
    "amfId": "1234AA",
    "plmnId": {
      "mcc": "001",
      "mnc": "123"
    }
  },
  "imsVoPs": "HOMOGENEOUS_SUPPORT",
  "ratType": "WLAN",
  "purgeFlag": true,
  "amfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9",
  "backupAmfInfo": [
    {
      "backupAmf": "amf1.cluster1.net2.amf.5gc.mnc012.mcc345.3gppnetwork.org",
      "guamiList": [
        {
          "amfId": "5678AA",
          "plmnId": {
            "mcc": "002",
            "mnc": "456"
          }
        },
        {
          "amfId": "9876AA",
          "plmnId": {
            "mcc": "003",
            "mnc": "789"
          }
        }
      ]
    }
  ],
  "urrrpIndicator": true,
  "deregCallbackUri": "http://ocnrf-ambassador.default.svc.cluster.local/nrf-nfm/v1/nf-instances",
  "supportedFeatures": "AF",

```

```

    "amfEeSubscriptionId": "subscriptionId",
    "amfServiceNameDereg": "nudm-sdm",
    "amfServiceNamePcscfRest": "nausf-auth",
    "pcscfRestorationCallbackUri": "http://ocnrf-
ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances"
}

```

The output of **Sample URI**: `http://localhost:8080/nudr-dr-prov/v1/subscription-data/imsi-911000000025/context-data/amf-non-3gpp-access/all` is:

```

{
  "active": {
    "guami": "223-004-1234AA",
    "timeStamp": "2020-04-23 09:36:24.621"
  },
  "previousActive": {
    "guami": "123-004-1234AA",
    "timeStamp": "2020-04-23 09:36:17.919"
  },
  "2020-04-23 09:36:02.444": {
    "123-001-1234AA": {
      "pei": "imei-1000000000000001",
      "guami": {
        "amfId": "1234AA",
        "plmnId": {
          "mcc": "001",
          "mnc": "123"
        }
      }
    },
    "imsVoPs": "HOMOGENEOUS_SUPPORT",
    "ratType": "WLAN",
    "purgeFlag": true,
    "amfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9",
    "backupAmfInfo": [
      {
        "backupAmf":
"amf1.cluster1.net2.amf.5gc.mnc012.mcc345.3gppnetwork.org",
        "guamiList": [
          {
            "amfId": "5678AA",
            "plmnId": {
              "mcc": "002",
              "mnc": "456"
            }
          },
          {
            "amfId": "9876AA",
            "plmnId": {
              "mcc": "003",
              "mnc": "789"
            }
          }
        ]
      }
    ]
  },
}

```

```

        "urpIndicator": true,
        "deregCallbackUri": "http://ocnrf-
ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances",
        "supportedFeatures": "AF",
        "amfEeSubscriptionId": "subscriptionId",
        "amfServiceNameDereg": "nudm-sdm",
        "amfServiceNamePcscfRest": "nausf-auth",
        "pcscfRestorationCallbackUri": "http://ocnrf-
ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances"
    }
},
"2020-04-23 09:36:10.504": {
    "123-002-1234AA": {
        "pei": "imei-10000000000000001",
        "guami": {
            "amfId": "1234AA",
            "plmnId": {
                "mcc": "002",
                "mnc": "123"
            }
        },
        "imsVoPs": "HOMOGENEOUS_SUPPORT",
        "ratType": "WLAN",
        "purgeFlag": true,
        "amfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9",
        "backupAmfInfo": [
            {
                "backupAmf":
"amf1.cluster1.net2.amf.5gc.mnc012.mcc345.3gppnetwork.org",
                "guamiList": [
                    {
                        "amfId": "5678AA",
                        "plmnId": {
                            "mcc": "002",
                            "mnc": "456"
                        }
                    },
                    {
                        "amfId": "9876AA",
                        "plmnId": {
                            "mcc": "003",
                            "mnc": "789"
                        }
                    }
                ]
            }
        ]
    }
},
        "urpIndicator": true,
        "deregCallbackUri": "http://ocnrf-
ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances",
        "supportedFeatures": "AF",
        "amfEeSubscriptionId": "subscriptionId",
        "amfServiceNameDereg": "nudm-sdm",
        "amfServiceNamePcscfRest": "nausf-auth",
        "pcscfRestorationCallbackUri": "http://ocnrf-
ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances"

```

```

    }
  },
  "2020-04-23 09:36:17.919": {
    "123-004-1234AA": {
      "pei": "imei-1000000000000001",
      "guami": {
        "amfId": "1234AA",
        "plmnId": {
          "mcc": "004",
          "mnc": "123"
        }
      },
      "imsVoPs": "HOMOGENEOUS_SUPPORT",
      "ratType": "WLAN",
      "purgeFlag": true,
      "amfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9",
      "backupAmfInfo": [
        {
          "backupAmf":
            "amf1.cluster1.net2.amf.5gc.mnc012.mcc345.3gppnetwork.org",
          "guamiList": [
            {
              "amfId": "5678AA",
              "plmnId": {
                "mcc": "002",
                "mnc": "456"
              }
            },
            {
              "amfId": "9876AA",
              "plmnId": {
                "mcc": "003",
                "mnc": "789"
              }
            }
          ]
        }
      ]
    },
    "urrpIndicator": true,
    "deregCallbackUri": "http://ocnrf-ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances",
    "supportedFeatures": "AF",
    "amfEeSubscriptionId": "subscriptionId",
    "amfServiceNameDereg": "nudm-sdm",
    "amfServiceNamePcscfRest": "nausf-auth",
    "pcscfRestorationCallbackUri": "http://ocnrf-ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances"
  },
  "2020-04-23 09:36:24.621": {
    "223-004-1234AA": {
      "pei": "imei-1000000000000001",
      "guami": {
        "amfId": "1234AA",
        "plmnId": {
          "mcc": "004",

```

```

        "mnc": "223"
      },
      "imsVoPs": "HOMOGENEOUS_SUPPORT",
      "ratType": "WLAN",
      "purgeFlag": true,
      "amfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9",
      "backupAmfInfo": [
        {
          "backupAmf":
            "amf1.cluster1.net2.amf.5gc.mnc012.mcc345.3gppnetwork.org",
          "guamiList": [
            {
              "amfId": "5678AA",
              "plmnId": {
                "mcc": "002",
                "mnc": "456"
              }
            },
            {
              "amfId": "9876AA",
              "plmnId": {
                "mcc": "003",
                "mnc": "789"
              }
            }
          ]
        }
      ],
      "urrrIndicator": true,
      "deregCallbackUri": "http://ocnrf-ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances",
      "supportedFeatures": "AF",
      "amfEeSubscriptionId": "subscriptionId",
      "amfServiceNameDereg": "nudm-sdm",
      "amfServiceNamePcscfRest": "nausf-auth",
      "pcscfRestorationCallbackUri": "http://ocnrf-ambassador.default.svc.cluster.local/nnrf-nfm/v1/nf-instances"
    }
  }
}

```

6.4.9 GET-SessionManagementSubscriptionData

```

[
  {
    "dnnConfigurations": {
      "dnn1": {
        "iwkEpsInd": true,
        "sessionAmbr": {
          "uplink": "125 Mbps",
          "downlink": "25 Mbps"
        },
        "5gQosProfile": {
          "priorityLevel": 79,

```

```

        "5qi": 123,
        "arp": {
            "preemptCap": "MAY_PREEMPT",
            "priorityLevel": 1,
            "preemptVuln": "PREEMPTABLE"
        },
        "upSecurity": {
            "upIntegr": "REQUIRED",
            "upConfid": "REQUIRED"
        },
        "sscModes": {
            "allowedSscModes": [
                "SSC_MODE_2",
                "SSC_MODE_3"
            ],
            "defaultSscMode": "SSC_MODE_1"
        },
        "3gppChargingCharacteristics": "123A",
        "pduSessionTypes": {
            "defaultSessionType": "IPv4",
            "allowedSessionTypes": [
                "IPv6",
                "IPv4V6",
                "UNSTRUCTURED",
                "ETHERNET"
            ]
        },
        "staticIpAddress": [
            {
                "ipv4Addr": "11.11.11.1"
            },
            {
                "ipv4Addr": "11.11.11.2"
            }
        ]
    },
    "singleNssai": {
        "sd": "ABC654",
        "sst": 1
    },
    "odbPacketServices": "ALL_PACKET_SERVICES",
    "internalGroupIds": [
        "9ABAB803-203-299-95A9",
        "9ABAB803-203-299-95A2",
        "79e0c480-719-085-f2A55e6DDc91Df802438"
    ],
    "sharedDnnConfigurationsId": "85868-mZE$cy"
}
]

```


6.4.10 GET-SessionManagementSubscriptionData- Provisioning

```
[
  {
    "dnnConfigurations": {
      "dnn1": {
        "iwkEpsInd": true,
        "sessionAmbr": {
          "uplink": "125 Mbps",
          "downlink": "25 Mbps"
        },
        "5gQosProfile": {
          "priorityLevel": 79,
          "5qi": 123,
          "arp": {
            "preemptCap": "MAY_PREEMPT",
            "priorityLevel": 1,
            "preemptVuln": "PREEMPTABLE"
          }
        },
        "upSecurity": {
          "upIntegr": "REQUIRED",
          "upConfid": "REQUIRED"
        },
        "sscModes": {
          "allowedSscModes": [
            "SSC_MODE_2",
            "SSC_MODE_3"
          ],
          "defaultSscMode": "SSC_MODE_1"
        },
        "3gppChargingCharacteristics": "123A",
        "pduSessionTypes": {
          "defaultSessionType": "IPV4",
          "allowedSessionTypes": [
            "IPV6",
            "IPV4V6",
            "UNSTRUCTURED",
            "ETHERNET"
          ]
        },
        "staticIpAddress": [
          {
            "ipv4Addr": "11.11.11.1"
          },
          {
            "ipv4Addr": "11.11.11.2"
          }
        ]
      }
    },
    "singleNssai": {
      "sd": "ABC654",
      "sst": 1
    }
  }
]
```

```

    },
    "odbPacketServices": "ALL_PACKET_SERVICES",
    "internalGroupIds": [
      "9ABAB803-203-299-95A9",
      "9ABAB803-203-299-95A2",
      "79e0c480-719-085-f2A55e6DDc91Df802438"
    ],
    "sharedDnnConfigurationsId": "85868-mZE$cy"
  }
]

```

6.4.11 GET-SDMSubscriptions

Following is the Result Code:

```

[
  {
    "nfInstanceId": "cb59c48c-a2fa-11e9-a2a3-2a2ae2dbcce5",
    "expires": "2012-04-23T18:25:43.511Z",
    "implicitUnsubscribe": false,
    "dnn": "sasa",
    "singleNssai": {
      "sd": "651Bf9",
      "sst": 23
    },
    "callbackReference": "udr",
    "amfServiceName": "nnrf-nfm",
    "monitoredResourceUris": [
      "http://localhost:8080/nudr-dr/v2/subscription-data/nai-990991@nai/context-data/amf-3gpp-access"
    ],
    "plmnId": {
      "mnc": "124",
      "mcc": "123"
    },
    "subscriptionId": "sa"
  },
  {
    "nfInstanceId": "cb59c48c-a2fa-11e9-a2a3-2a2ae2dbcce5",
    "expires": "2012-04-23T18:25:43.511Z",
    "implicitUnsubscribe": true,
    "dnn": "sasa",
    "singleNssai": {
      "sd": "651Bf9",
      "sst": 23
    },
    "callbackReference": "https://https://www.google.com",
    "amfServiceName": "nnrf-nfm",
    "monitoredResourceUris": [
      "http://localhost:8080/nudr-dr/v2/subscription-data/nai-990991@nai/context-data/amf-3gpp-access"
    ],
    "plmnId": {
      "mnc": "124",
      "mcc": "123"
    }
  }
]

```

```

    },
    "subscriptionId": "sa"
  }
]

```

6.4.12 Post-Output-SubscriptionDataSubscriptions

Following is the Result Code:

```

{
  "supportedFeatures": "f",
  "callbackReference": "http://10.75.212.167:8787",
  "sdmSubscription": {
    "nfInstanceId": "cb59c48c-a2fa-11e9-a2a3-2a2ae2dbcce4",
    "expires": "2012-04-23T18:25:43.511Z",
    "implicitUnsubscribe": true,
    "dnn": "sasb",
    "singleNssai": {
      "sd": "651Bf9",
      "sst": 23
    },
    "callbackReference": "udr",
    "amfServiceName": "nnrf-nfm",
    "monitoredResourceUris": [
      "http://sims-udr-2-udr-simulator.sims-udr-2:5807/nudr-dr/v2/subscription-data/nai-919090909010@nai/context-data/amf-3gpp-access"
    ],
    "plmnId": {
      "mnc": "124",
      "mcc": "123"
    },
    "subscriptionId": "sa"
  },
  "monitoredResourceUris": [
    "http://sims-udr-2-udr-simulator.sims-udr-2:5807/nudr-dr/v2/subscription-data/nai-990991@nai/context-data/amf-3gpp-access"
  ],
  "originalCallbackReference": "http://10.75.212.167:8787",
  "expiry": "2020-01-02T08:17:14.090Z",
  "subscriptionId": "7",
  "ueId": "nai-990991@nai"
}

```

6.4.13 Get-Output-SubscriptionDataSubscriptions

Following is the Result Code:

```

[
  {
    "supportedFeatures": "f",
    "callbackReference": "http://mlu-pcf-api-gateway.mlu-pcf.svc/user-service/userservice/notification/imsi-1111111111",
    "monitoredResourceUris": [
      "http://localhost:8080/nudr-dr/v2/subscription-data/"
    ]
  }
]

```

```

nai-990991@nai/context-data/amf-3gpp-access"
    ],
    "originalCallbackReference": "http://mlu-pcf-api-gateway.mlu-pcf.svc/
user-service/userservice/notification/imsi-1111111111",
    "expiry": "2020-01-02T08:17:14.090Z",
    "subscriptionId": "2",
    "ueId": "nai-990991@nai"
  },
  {
    "supportedFeatures": "f",
    "callbackReference": "http://10.75.212.167:8787",
    "sdmSubscription": {
      "supportedFeatures": "f",
      "callbackReference": "http://10.75.212.167:8787",
      "sdmSubscription": true,
      "monitoredResourceUris": [
        "http://sims-udr-2-udr-simulator.sims-udr-2:5807/nudr-dr/v2/
subscription-data/nai-990991@nai/context-data/amf-3gpp-access"
      ],
      "originalCallbackReference": "http://10.75.212.167:8787",
      "expiry": "2020-01-02T08:17:14.090Z",
      "subscriptionId": "7",
      "ueId": "nai-990991@nai"
    },
    "monitoredResourceUris": [
      "http://sims-udr-2-udr-simulator.sims-udr-2:5807/nudr-dr/v2/
subscription-data/nai-990991@nai/context-data/amf-3gpp-access"
    ],
    "originalCallbackReference": "http://10.75.212.167:8787",
    "expiry": "2020-01-02T08:17:14.090Z",
    "subscriptionId": "7",
    "ueId": "nai-990991@nai"
  }
]

```

6.4.14 GET - AccessAndMobilitySubscriptionData

```

{
  "gpsis": [
    "msisdn-1585632",
    "msisdn-2969851"
  ],
  "nssai": {
    "singleNssais": [
      {
        "sd": "abc789",
        "sst": 3
      },
      {
        "sd": "abc799",
        "sst": 5
      }
    ],
    "supportedFeatures": "692F296F2Cb3BCA76Bc1E126FeEC12",
    "defaultSingleNssais": [

```

```

        {
            "sd": "abc123",
            "sst": 1
        },
        {
            "sd": "abc124",
            "sst": 2
        }
    ]
},
"sorInfo": {
    "ackInd": true,
    "countersor": "8ebc",
    "sorMacIausf": "Bf85A791dCCDa7D6d9754264F02EDcBc",
    "provisioningTime": "2012-04-23T18:25:43.511Z",
    "steeringContainer": [
        {
            "plmnId": {
                "mcc": "123",
                "mnc": "456"
            },
            "accessTechList": [
                "NR"
            ]
        }
    ]
},
"upuInfo": {
    "upuAckInd": true,
    "upuRegInd": true,
    "counterUpu": "3Ab5",
    "upuDataList": [
        {
            "secPacket": "aGVsbG8="
        }
    ],
    "upuMacIausf": "E0b0cCF4EcCC5CA55DBfeA3B2Ad3aE80",
    "provisioningTime": "2012-04-23T18:25:43.511Z"
},
"rfspIndex": 123,
"activeTime": 3,
"mcsPriority": true,
"micoAllowed": true,
"mpsPriority": true,
"ueUsageType": 9,
"subsRegTimer": 2,
"d1PacketCount": -1,
"forbiddenAreas": [
    {
        "tacs": [
            "d11fdA",
            "EcccaD"
        ]
    }
],
"ratRestrictions": [

```

```

        "NR",
        "WLAN",
        "EUTRA",
        "VIRTUAL"
    ],
    "sharedAmDataIds": [
        "62626-esp}W3A?hIgZ{47Qiuuj@GR:Ped>@k`Px,76390-Cd[s[TECI"
    ],
    "internalGroupIds": [
        "E1465DF5-483-159-Fc23DE491edb354dABAA",
        "51e851ea-577-297-Ef4d7Cf28CaC0D"
    ],
    "subscribedUeAmbr": {
        "uplink": "123 Gbps",
        "downlink": "12 Gbps"
    },
    "odbPacketServices": "ALL_PACKET_SERVICES",
    "subscribedDnnList": [
        "hello",
        "ocudr"
    ],
    "supportedFeatures": "692F296F2Cb3BCA76Bc1E126FeEC12",
    "serviceAreaRestriction": {
        "areas": [
            {
                "tacs": [
                    "d11fdA",
                    "EcccaD"
                ]
            }
        ],
        "maxNumOfTAs": 23,
        "restrictionType": "ALLOWED_AREAS"
    },
    "coreNetworkTypeRestrictions": [
        "5GC",
        "EPC"
    ]
}

```

The output of **Sample URI**: <http://localhost:8080/nudr-dr/v2/subscription-data/imsi-911000000089/77889/provisioned-data/am-data?fields=gpsis,nssai,sorInfo> is:

```

{
  "nssai": {
    "supportedFeatures": "692F296F2Cb3BCA76Bc1E126FeEC12",
    "defaultSingleNssais": [
      {
        "sd": "abc123",
        "sst": 1
      },
      {
        "sd": "abc124",
        "sst": 2
      }
    ]
  }
}

```

```

    ],
    "singleNssais": [
      {
        "sd": "abc789",
        "sst": 3
      },
      {
        "sd": "abc799",
        "sst": 5
      }
    ]
  },
  "gpsis": [
    "msisdn-1585632",
    "msisdn-2969851"
  ],
  "sorInfo": {
    "sorMacIausf": "Bf85A791dCCDa7D6d9754264F02EDcBc",
    "steeringContainer": [
      {
        "plmnId": {
          "mnc": "456",
          "mcc": "123"
        },
        "accessTechList": [
          "NR"
        ]
      }
    ],
    "provisioningTime": "2012-04-23T18:25:43.511Z",
    "countersor": "8ebc",
    "ackInd": true
  }
}

```

6.4.15 GET-AuthenticationSubscriptionData

```

{
  "encOpckKey": "ABED",
  "encTopckKey": "ACED",
  "algorithmId": "algoID",
  "sequenceNumber": {
    "sqn": "123456789ABE",
    "difSign": "NEGATIVE",
    "indLength": 5,
    "sqnScheme": "GENERAL",
    "lastIndexes": {
      "ausf": 5
    }
  },
  "encPermanentKey": "ABBA",
  "authenticationMethod": "5G_AKA",
  "protectionParameterId": "ProtecID",

```

```
    "authenticationManagementField": "ABBE"  
  }
```

6.4.16 PATCH-AuthenticationSubscriptionData

```
case1: REPLACE  
[  
  {  
    "op" : "replace",  
    "path" : "/sequenceNumber/sqn",  
    "value" : "123456789ABC"  
  }  
]
```

```
case2: ADD  
case3: REMOVE
```

6.4.17 PUT-AuthenticationStatus

```
{  
  "nfInstanceId" : "abae35e5-cc45-4016-8dd4-89598e5311b9",  
  "success" : true,  
  "timeStamp" : "2018-01-02T08:17:14.090Z",  
  "authType" : "5G_AKA",  
  "servingNetworkName" : "5G:mnc123.mcc456.3gppnetwork.org"  
}
```

6.4.18 GET-AuthenticationStatus

```
{  
  "success": true,  
  "authType": "5G_AKA",  
  "timeStamp": "2018-01-02T08:17:14.090Z",  
  "nfInstanceId": "abae35e5-cc45-4016-8dd4-89598e5311b9",  
  "servingNetworkName": "5G:mnc123.mcc456.3gppnetwork.org"  
}
```

6.5 Payload Reference for Overload Control

This section provides payload details for the following Overload Control operations.

- [PUT - OC Discard Policy](#)
- [PUT - Routes Configuration](#)
- [PUT - Overload Threshold Configuration](#)
- [PUT - Error Code Profiles](#)

6.5.1 PUT - OC Discard Policy

Sample OC Discard Policy Payload on Ingress Gateway:

```
[
  {
    "name": "OCDP1",
    "scheme": "PercentageBased",
    "policies": [
      {
        "level": "L1",
        "value": 0,
        "action": "RejectWithErrorCode",
        "errorCodeProfile": "error429"
      },
      {
        "level": "L2",
        "value": 5,
        "action": "RejectWithErrorCode",
        "errorCodeProfile": "error429"
      },
      {
        "level": "L3",
        "value": 15,
        "action": "RejectWithErrorCode",
        "errorCodeProfile": "error429"
      },
      {
        "level": "L4",
        "value": 25,
        "action": "RejectWithErrorCode",
        "errorCodeProfile": "error503"
      }
    ]
  },
  {
    "name": "OCDP2",
    "scheme": "PriorityBased",
    "policies": [
      {
        "level": "L1",
        "value": 30,
        "action": "RejectWithErrorCode",
        "errorCodeProfile": "error429"
      },
      {
        "level": "L2",
        "value": 24,
        "action": "RejectWithErrorCode",
        "errorCodeProfile": "error429"
      },
      {
        "level": "L3",
        "value": 15,
```

```

        "action": "RejectWithErrorCode",
        "errorCodeProfile": "error429"
      },
      {
        "level": "L4",
        "value": 10,
        "action": "RejectWithErrorCode",
        "errorCodeProfile": "error503"
      }
    ]
  }
]

```

6.5.2 PUT - Routes Configuration

Sample PUT - Routes Configuration Payload:

```

[
  {
    "id": "traffic_mapping_http",
    "rateLimiting": {
      "methods": [
        {
          "name": "PATCH",
          "rate": 200,
          "rateLimitPolicy": "R1"
        },
        {
          "name": "GET",
          "rate": 200,
          "rateLimitPolicy": "R1"
        },
        {
          "name": "PUT",
          "rate": 300,
          "rateLimitPolicy": "R1"
        },
        {
          "name": "DELETE",
          "rate": 200,
          "rateLimitPolicy": "R1"
        },
        {
          "name": "POST",
          "rate": 200,
          "rateLimitPolicy": "R1"
        }
      ]
    },
    "failureReqCountErrorCodeSeriesId": "P1"
  },
  {
    "id": "traffic_mapping_http_prov",
    "rateLimiting": {
      "methods": [

```

```

        "name": "PATCH",
        "rate": 200,
        "rateLimitPolicy": "R1"
    },
    {
        "name": "GET",
        "rate": 200,
        "rateLimitPolicy": "R1"
    },
    {
        "name": "PUT",
        "rate": 300,
        "rateLimitPolicy": "R1"
    },
    {
        "name": "DELETE",
        "rate": 200,
        "rateLimitPolicy": "R1"
    },
    {
        "name": "POST",
        "rate": 200,
        "rateLimitPolicy": "R1"
    }
  ]
},
"failureReqCountErrorCodeSeriesId": "P1"
},
{
  "id": "traffic_mapping_http_group",
  "rateLimiting": {
    "methods": [
      {
        "name": "GET",
        "rate": 1500,
        "rateLimitPolicy": "R1"
      }
    ]
  },
  "failureReqCountErrorCodeSeriesId": "P1"
},
{
  "id": "traffic_mapping_http_group_prov",
  "rateLimiting": {
    "methods": [
      {
        "name": "GET",
        "rate": 800,
        "rateLimitPolicy": "R1"
      },
      {
        "name": "PUT",
        "rate": 200,
        "rateLimitPolicy": "R1"
      },
      {
        "name": "DELETE",
        "rate": 200,

```

```

        "rateLimitPolicy": "R1"
      }]
    },
    "failureReqCountErrorCodeSeriesId": "P1"
  },
  {
    "id": "traffic_mapping_http_slf_group_prov",
    "rateLimiting": {
      "methods": [
        {
          "name": "GET",
          "rate": 800,
          "rateLimitPolicy": "R1"
        },
        {
          "name": "PUT",
          "rate": 200,
          "rateLimitPolicy": "R1"
        },
        {
          "name": "DELETE",
          "rate": 200,
          "rateLimitPolicy": "R1"
        }
      ]
    }
  },
  "failureReqCountErrorCodeSeriesId": "P1"
}
]

```

6.5.3 PUT - Overload Threshold Configuration

Sample: PUT - Overload Threshold Configuration Payload

```

[
  {
    "svcName": "ocudr-nudr-drservice",
    "metricsThresholdList": [
      {
        "metricsName": "svc_failure_count",
        "levelThresholdList": [
          {
            "level": "L1",
            "onsetValue": 13000,
            "abatementValue": 12500
          },
          {
            "level": "L2",
            "onsetValue": 14000,
            "abatementValue": 13500
          },
          {
            "level": "L3",
            "onsetValue": 15000,
            "abatementValue": 14500
          }
        ]
      }
    ]
  }
]

```

```

        {
            "level": "L4",
            "onsetValue": 16000,
            "abatementValue": 15500
        }
    ],
},
{
    "metricsName": "memory",
    "levelThresholdList": [
        {
            "level": "L1",
            "onsetValue": 50,
            "abatementValue": 45
        },
        {
            "level": "L2",
            "onsetValue": 70,
            "abatementValue": 65
        },
        {
            "level": "L3",
            "onsetValue": 85,
            "abatementValue": 82
        },
        {
            "level": "L4",
            "onsetValue": 90,
            "abatementValue": 88
        }
    ]
},
{
    "metricsName": "cpu",
    "levelThresholdList": [
        {
            "level": "L1",
            "onsetValue": 65,
            "abatementValue": 60
        },
        {
            "level": "L2",
            "onsetValue": 75,
            "abatementValue": 70
        },
        {
            "level": "L3",
            "onsetValue": 80,
            "abatementValue": 75
        },
        {
            "level": "L4",
            "onsetValue": 90,
            "abatementValue": 85
        }
    ]
}
]

```

```

    },
    {
      "metricsName": "svc_pending_count",
      "levelThresholdList": [
        {
          "level": "L1",
          "onsetValue": 13000,
          "abatementValue": 12500
        },
        {
          "level": "L2",
          "onsetValue": 14000,
          "abatementValue": 13500
        },
        {
          "level": "L3",
          "onsetValue": 15000,
          "abatementValue": 14500
        },
        {
          "level": "L4",
          "onsetValue": 16000,
          "abatementValue": 15500
        }
      ]
    }
  ],
  },
  {
    "svcName": "ocudr-nudr-dr-provservice",
    "metricsThresholdList": [
      {
        "metricsName": "svc_failure_count",
        "levelThresholdList": [
          {
            "level": "L1",
            "onsetValue": 13000,
            "abatementValue": 12500
          },
          {
            "level": "L2",
            "onsetValue": 14000,
            "abatementValue": 13500
          },
          {
            "level": "L3",
            "onsetValue": 15000,
            "abatementValue": 14500
          },
          {
            "level": "L4",
            "onsetValue": 16000,
            "abatementValue": 15500
          }
        ]
      }
    ]
  },

```

```

{
  "metricsName": "memory",
  "levelThresholdList": [
    {
      "level": "L1",
      "onsetValue": 50,
      "abatementValue": 45
    },
    {
      "level": "L2",
      "onsetValue": 70,
      "abatementValue": 65
    },
    {
      "level": "L3",
      "onsetValue": 85,
      "abatementValue": 82
    },
    {
      "level": "L4",
      "onsetValue": 90,
      "abatementValue": 88
    }
  ]
},
{
  "metricsName": "cpu",
  "levelThresholdList": [
    {
      "level": "L1",
      "onsetValue": 65,
      "abatementValue": 60
    },
    {
      "level": "L2",
      "onsetValue": 75,
      "abatementValue": 70
    },
    {
      "level": "L3",
      "onsetValue": 80,
      "abatementValue": 75
    },
    {
      "level": "L4",
      "onsetValue": 90,
      "abatementValue": 85
    }
  ]
},
{
  "metricsName": "svc_pending_count",
  "levelThresholdList": [
    {
      "level": "L1",
      "onsetValue": 13000,

```

```

        "abatementValue": 12500
      },
      {
        "level": "L2",
        "onsetValue": 14000,
        "abatementValue": 13500
      },
      {
        "level": "L3",
        "onsetValue": 15000,
        "abatementValue": 14500
      },
      {
        "level": "L4",
        "onsetValue": 16000,
        "abatementValue": 15500
      }
    ]
  }
}

```

6.5.4 PUT - Error Code Profiles

Sample - PUT Error Code Profiles Payload:

```

[
  {
    "name": "error429",
    "errorCode": 429,
    "errorCause": "Too many reequests",
    "errorTitle": "Too many reequests",
    "redirectURL": "",
    "retry-after": "",
    "errorDescription": "Too many reequests"
  },
  {
    "name": "error503",
    "errorCode": 503,
    "errorCause": "Backend not able to handle traffic",
    "errorTitle": "Backend not able to handle traffic",
    "redirectURL": "",
    "retry-after": "",
    "errorDescription": "Backend not able to handle traffic"
  }
]

```

6.6 Payload Reference for PCF Schema Management

The PCF Schema Management APIs includes:

- [PCF Schema Management - PUT](#)
- [PCF Schema Management - PUT \(VSA\)](#)

- [PCF Schema Management - GET \(VSA\)](#)
- [PCF Schema Management - VSA GET ALL SCHEMA](#)
- [PCF Schema Management - VSA GET V1](#)

6.6.1 PCF Schema Management - PUT

```
{
  "$schema": "http://json-schema.org/draft-07/schema#",
  "additionalProperties": false,
  "type": "object",
  "properties": {
    "subscCats": {
      "minItems": 1,
      "type": "array",
      "items": {
        "type": "string"
      }
    },
    "custom": {
      "type": "string"
    },
    "praInfos": {
      "patternProperties": {
        "^(.*)$": {
          "additionalProperties": false,
          "type": "object",
          "properties": {
            "ecgiList": {
              "minItems": 1,
              "type": "array",
              "items": {
                "additionalProperties": false,
                "type": "object",
                "required": [
                  "plmnId",
                  "eutraCellId"
                ],
                "properties": {
                  "eutraCellId": {
                    "pattern": "^[A-Fa-f0-9]{7}$",
                    "type": "string"
                  },
                  "plmnId": {
                    "additionalProperties": false,
                    "type": "object",
                    "required": [
                      "mcc",
                      "mnc"
                    ],
                    "properties": {
                      "mnc": {
                        "pattern": "^[\\d]{2,3}$",
                        "type": "string"
                      }
                    }
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

```

        "mcc": {
          "pattern": "^\\d{3}$",
          "type": "string"
        }
      },
      "globalRanNodeIdList": {
        "minItems": 1,
        "type": "array",
        "items": {
          "additionalProperties": false,
          "type": "object",
          "required": [
            "plmnId"
          ],
          "properties": {
            "gNbId": {
              "additionalProperties": false,
              "type": "object",
              "required": [
                "bitLength",
                "gNbValue"
              ],
              "properties": {
                "bitLength": {
                  "type": "integer"
                },
                "gNbValue": {
                  "pattern": "^[A-Fa-f0-9]{6,8}$",
                  "type": "string"
                }
              }
            },
            "plmnId": {
              "additionalProperties": false,
              "type": "object",
              "required": [
                "mcc",
                "mnc"
              ],
              "properties": {
                "mnc": {
                  "pattern": "^\\d{2,3}$",
                  "type": "string"
                },
                "mcc": {
                  "pattern": "^\\d{3}$",
                  "type": "string"
                }
              }
            },
            "n3IwfId": {

```

```

        "pattern": "[A-Fa-f0-9]+$",
        "type": "string"
      },
      "ngenNbId": {
        "pattern": "^(MacroNGeNB-[A-Fa-f0-9]{5}|LMacroNGeNB-[A-Fa-f0-9]{6}|SMacroNGeNB-[A-Fa-f0-9]{5})$",
        "type": "string"
      }
    }
  },
  "praId": {
    "type": "string"
  },
  "ncgiList": {
    "minItems": 1,
    "type": "array",
    "items": {
      "additionalProperties": false,
      "type": "object",
      "required": [
        "plmnId",
        "nrCellId"
      ],
      "properties": {
        "plmnId": {
          "additionalProperties": false,
          "type": "object",
          "required": [
            "mcc",
            "mnc"
          ],
          "properties": {
            "mnc": {
              "pattern": "^\\d{2,3}$",
              "type": "string"
            },
            "mcc": {
              "pattern": "^\\d{3}$",
              "type": "string"
            }
          }
        },
        "nrCellId": {
          "pattern": "[A-Fa-f0-9]{9}$",
          "type": "string"
        }
      }
    }
  },
  "trackingAreaList": {
    "minItems": 1,
    "type": "array",
    "items": {
      "additionalProperties": false,
      "type": "object",

```

```

        "required": [
            "plmnId",
            "tac"
        ],
        "properties": {
            "tac": {
                "default": "",
                "pattern": "([A-Fa-f0-9]{4}$)|([A-
Fa-f0-9]{6}$)",
                "type": "string"
            },
            "plmnId": {
                "additionalProperties": false,
                "type": "object",
                "required": [
                    "mcc",
                    "mnc"
                ],
                "properties": {
                    "mnc": {
                        "pattern": "^\\d{2,3}$",
                        "type": "string"
                    },
                    "mcc": {
                        "pattern": "^\\d{3}$",
                        "type": "string"
                    }
                }
            }
        }
    },
    "additionalProperties": false
}

```

6.6.2 PCF Schema Management - PUT (VSA)

```

{
    "$schema": "http://json-schema.org/draft-07/schema#",
    "type": "object",
    "properties": {
        "subscriber": {
            "patternProperties": {
                "^(?i)accountid$": {
                    "minItems": 1,
                    "maxItems": 1,
                    "type": "array",
                    "items": {
                        "pattern": "[a-zA-Z0-9]{1,36}$",
                        "type": "string"
                    }
                }
            }
        }
    }
}

```

```

    }
  },
  "^(?i)imsi$": {
    "minItems": 1,
    "maxItems": 3,
    "type": "array",
    "items": {
      "pattern": "^[0-9]{5,15}$",
      "type": "string"
    }
  },
  "^(?i)msisdn$": {
    "minItems": 1,
    "maxItems": 3,
    "type": "array",
    "items": {
      "pattern": "^[0-9]{5,15}$",
      "type": "string"
    }
  },
  "^(?i)nai$": {
    "minItems": 1,
    "maxItems": 3,
    "type": "array",
    "items": {
      "pattern": "^.+$",
      "type": "string"
    }
  },
  "^(?i)extid$": {
    "minItems": 1,
    "maxItems": 3,
    "type": "array",
    "items": {
      "pattern": "^[^@]+@[^@]+$",
      "type": "string"
    }
  },
  },
  "type": "object",
  "properties": {
    "Tier": {
      "type": "string"
    },
    "BillingDay": {
      "maximum": 31,
      "type": "integer",
      "minimum": 1
    },
    "Entitlement": {
      "minItems": 1,
      "type": "array",
      "items": {
        "type": "string"
      }
    }
  }
}

```

```

    }
  },
  "usage": {
    "additionalProperties": false,
    "type": "object",
    "properties": {
      "quota": {
        "type": "array",
        "items": {
          "type": "object",
          "properties": {
            "totalVolume": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "name": {
              "type": "string"
            },
            "nextResetTime": {
              "type": "string"
            },
            "time": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "outputVolume": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "inputVolume": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "serviceSpecific": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "cid": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            }
          }
        }
      }
    }
  },
  "SequenceNumber": {
    "type": "integer"
  },
  "version": {
    "type": "integer"
  }
},
"definition": {
  "additionalProperties": false,
  "type": "object",
  "properties": {

```

```

"DynamicQuota": {
  "type": "array",
  "items": {
    "type": "object",
    "properties": {
      "InstanceId": {
        "pattern": "^[x20-x7e]{0,255}$",
        "type": "string"
      },
      "Priority": {
        "pattern": "^[x20-x7e]{0,255}$",
        "type": "string"
      },
      "InitialInputVolume": {
        "pattern": "^[x20-x7e]{0,255}$",
        "type": "string"
      },
      "Duration": {
        "pattern": "^[x20-x7e]{0,255}$",
        "type": "string"
      },
      "InterimReportingInterval": {
        "pattern": "^[x20-x7e]{0,255}$",
        "type": "string"
      },
      "InitialOutputVolume": {
        "pattern": "^[x20-x7e]{0,255}$",
        "type": "string"
      },
      "Type": {
        "type": "string"
      },
      "activationdatetime": {
        "type": "string"
      },
      "expirationdatetime": {
        "type": "string"
      },
      "InitialTotalVolume": {
        "pattern": "^[x20-x7e]{0,25}$",
        "type": "string"
      },
      "name": {
        "type": "string"
      },
      "InitialServiceSpecific": {
        "pattern": "^[x20-x7e]{0,25}$",
        "type": "string"
      },
      "InitialTime": {
        "pattern": "^[x20-x7e]{0,25}$",
        "type": "string"
      }
    }
  }
},

```

```

        "SequenceNumber": {
          "type": "string"
        },
        "version": {
          "type": "integer"
        }
      }
    },
    "state": {
      "type": "object",
      "properties": {
        "property": {
          "type": "array",
          "items": {
            "type": "object",
            "properties": {
              "name": {
                "pattern": "^[x20-x7e]{0,255}$",
                "type": "string"
              },
              "value": {
                "type": "string"
              }
            }
          }
        }
      }
    },
    "SequenceNumber": {
      "type": "integer"
    },
    "additionalProperties": false,
    "version": {
      "type": "integer"
    }
  }
}

```

6.6.3 PCF Schema Management - GET (VSA)

VSA_GET_CURRENT_SCHEMA

```

{
  "type": "object",
  "properties": {
    "subscriber": {
      "patternProperties": {
        "^(?i)accountid$": {
          "minItems": 1,
          "maxItems": 1,
          "type": "array",
          "items": {
            "pattern": "^[a-zA-Z0-9]{1,36}$",
            "type": "string"
          }
        }
      }
    }
  }
}

```



```

    },
    "^(?i)imsi$": {
      "minItems": 1,
      "maxItems": 3,
      "type": "array",
      "items": {
        "pattern": "^[0-9]{5,15}$",
        "type": "string"
      }
    },
    "^(?i)msisdn$": {
      "minItems": 1,
      "maxItems": 3,
      "type": "array",
      "items": {
        "pattern": "^[0-9]{5,15}$",
        "type": "string"
      }
    },
    "^(?i)nai$": {
      "minItems": 1,
      "maxItems": 3,
      "type": "array",
      "items": {
        "pattern": "^.+$",
        "type": "string"
      }
    },
    "^(?i)extid$": {
      "minItems": 1,
      "maxItems": 3,
      "type": "array",
      "items": {
        "pattern": "[^@]+@[^@]+$",
        "type": "string"
      }
    }
  },
  "type": "object",
  "properties": {
    "Tier": {
      "type": "string"
    },
    "BillingDay": {
      "maximum": 31,
      "type": "integer",
      "minimum": 1
    },
    "Entitlement": {
      "minItems": 1,
      "type": "array",
      "items": {
        "type": "string"
      }
    }
  }
}

```

```

    },
    "usage": {
      "additionalProperties": false,
      "type": "object",
      "properties": {
        "quota": {
          "type": "array",
          "items": {
            "type": "object",
            "properties": {
              "totalVolume": {
                "pattern": "^[x20-x7e]{0,255}$",
                "type": "string"
              },
              "name": {
                "type": "string"
              },
              "nextResetTime": {
                "type": "string"
              },
              "time": {
                "pattern": "^[x20-x7e]{0,255}$",
                "type": "string"
              },
              "outputVolume": {
                "pattern": "^[x20-x7e]{0,255}$",
                "type": "string"
              },
              "inputVolume": {
                "pattern": "^[x20-x7e]{0,255}$",
                "type": "string"
              },
              "serviceSpecific": {
                "pattern": "^[x20-x7e]{0,255}$",
                "type": "string"
              },
              "cid": {
                "pattern": "^[x20-x7e]{0,255}$",
                "type": "string"
              }
            }
          }
        },
        "SequenceNumber": {
          "type": "integer"
        },
        "version": {
          "type": "integer"
        }
      }
    },
    "definition": {
      "additionalProperties": false,
      "type": "object",
      "properties": {
        "DynamicQuota": {

```

```

    "type": "array",
    "items": {
      "type": "object",
      "properties": {
        "InstanceId": {
          "pattern": "^[x20-x7e]{0,255}$",
          "type": "string"
        },
        "Priority": {
          "pattern": "^[x20-x7e]{0,255}$",
          "type": "string"
        },
        "InitialInputVolume": {
          "pattern": "^[x20-x7e]{0,255}$",
          "type": "string"
        },
        "Duration": {
          "pattern": "^[x20-x7e]{0,255}$",
          "type": "string"
        },
        "InterimReportingInterval": {
          "pattern": "^[x20-x7e]{0,255}$",
          "type": "string"
        },
        "InitialOutputVolume": {
          "pattern": "^[x20-x7e]{0,255}$",
          "type": "string"
        },
        "Type": {
          "type": "string"
        },
        "activationdatetime": {
          "type": "string"
        },
        "expirationdatetime": {
          "type": "string"
        },
        "InitialTotalVolume": {
          "pattern": "^[x20-x7e]{0,255}$",
          "type": "string"
        },
        "name": {
          "type": "string"
        },
        "InitialServiceSpecific": {
          "pattern": "^[x20-x7e]{0,255}$",
          "type": "string"
        },
        "InitialTime": {
          "pattern": "^[x20-x7e]{0,255}$",
          "type": "string"
        }
      }
    }
  },
  "SequenceNumber": {

```

```

        "type": "integer"
      },
      "version": {
        "type": "integer"
      }
    }
  },
  "state": {
    "type": "object",
    "properties": {
      "property": {
        "type": "array",
        "items": {
          "type": "object",
          "properties": {
            "name": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "value": {
              "type": "string"
            }
          }
        }
      }
    }
  },
  "SequenceNumber": {
    "type": "integer"
  },
  "additionalProperties": false,
  "version": {
    "type": "integer"
  }
}
}
}
}

```

6.6.4 PCF Schema Management - VSA GET ALL SCHEMA

VSA_GET_ALL_SCHEMA

```

{
  "current": "v1",
  "v0": {
    "type": "object",
    "properties": {
      "subscriber": {
        "patternProperties": {
          "^(?i)accountid$": {
            "minItems": 1,
            "maxItems": 1,
            "type": "array",
            "items": {
              "pattern": "^[a-zA-Z0-9]{1,36}$",
              "type": "string"
            }
          }
        }
      }
    }
  }
}

```

```

    }
  },
  "^(?i)imsi$": {
    "minItems": 1,
    "maxItems": 3,
    "type": "array",
    "items": {
      "pattern": "^[0-9]{5,15}$",
      "type": "string"
    }
  },
  "^(?i)msisdn$": {
    "minItems": 1,
    "maxItems": 3,
    "type": "array",
    "items": {
      "pattern": "^[0-9]{5,15}$",
      "type": "string"
    }
  },
  "^(?i)nai$": {
    "minItems": 1,
    "maxItems": 3,
    "type": "array",
    "items": {
      "pattern": "^.+$",
      "type": "string"
    }
  },
  "^(?i)extid$": {
    "minItems": 1,
    "maxItems": 3,
    "type": "array",
    "items": {
      "pattern": "[^@]+@[^@]+$",
      "type": "string"
    }
  }
},
"type": "object",
"properties": {
  "Tier": {
    "type": "string"
  },
  "BillingDay": {
    "maximum": 31,
    "type": "integer",
    "minimum": 1
  },
  "Entitlement": {
    "minItems": 1,
    "type": "array",
    "items": {
      "type": "string"
    }
  }
}

```

```

    }
  },
  "usage": {
    "additionalProperties": false,
    "type": "object",
    "properties": {
      "quota": {
        "type": "array",
        "items": {
          "type": "object",
          "properties": {
            "totalVolume": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "name": {
              "type": "string"
            },
            "nextResetTime": {
              "type": "string"
            },
            "time": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "outputVolume": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "inputVolume": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "serviceSpecific": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "cid": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            }
          }
        }
      }
    }
  },
  "SequenceNumber": {
    "type": "integer"
  },
  "version": {
    "type": "integer"
  }
},
"definition": {
  "additionalProperties": false,
  "type": "object",
  "properties": {

```

```

"DynamicQuota": {
  "type": "array",
  "items": {
    "type": "object",
    "properties": {
      "InstanceId": {
        "pattern": "^[x20-x7e]{0,255}$",
        "type": "string"
      },
      "Priority": {
        "pattern": "^[x20-x7e]{0,255}$",
        "type": "string"
      },
      "InitialInputVolume": {
        "pattern": "^[x20-x7e]{0,255}$",
        "type": "string"
      },
      "Duration": {
        "pattern": "^[x20-x7e]{0,255}$",
        "type": "string"
      },
      "InterimReportingInterval": {
        "pattern": "^[x20-x7e]{0,255}$",
        "type": "string"
      },
      "InitialOutputVolume": {
        "pattern": "^[x20-x7e]{0,255}$",
        "type": "string"
      },
      "Type": {
        "type": "string"
      },
      "activationdatetime": {
        "type": "string"
      },
      "expirationdatetime": {
        "type": "string"
      },
      "InitialTotalVolume": {
        "pattern": "^[x20-x7e]{0,255}$",
        "type": "string"
      },
      "name": {
        "type": "string"
      },
      "InitialServiceSpecific": {
        "pattern": "^[x20-x7e]{0,255}$",
        "type": "string"
      },
      "InitialTime": {
        "pattern": "^[x20-x7e]{0,255}$",
        "type": "string"
      }
    }
  }
},

```

```

        "SequenceNumber": {
          "type": "integer"
        },
        "version": {
          "type": "integer"
        }
      }
    },
    "state": {
      "type": "object",
      "properties": {
        "property": {
          "type": "array",
          "items": {
            "type": "object",
            "properties": {
              "name": {
                "pattern": "^[x20-x7e]{0,255}$",
                "type": "string"
              },
              "value": {
                "type": "string"
              }
            }
          }
        }
      }
    },
    "SequenceNumber": {
      "type": "integer"
    },
    "additionalProperties": false,
    "version": {
      "type": "integer"
    }
  }
},
"v1": {
  "$schema": "http://json-schema.org/draft-07/schema#",
  "type": "object",
  "properties": {
    "subscriber": {
      "patternProperties": {
        "^(?i)accountid$": {
          "minItems": 1,
          "maxItems": 1,
          "type": "array",
          "items": {
            "pattern": "^[a-zA-Z0-9]{1,36}$",
            "type": "string"
          }
        },
        "^(?i)imsi$": {
          "minItems": 1,
          "maxItems": 3,
          "type": "array",

```



```

        "items": {
          "pattern": "^[0-9]{5,15}$",
          "type": "string"
        }
      },
      "^(?i)msisdn$": {
        "minItems": 1,
        "maxItems": 3,
        "type": "array",
        "items": {
          "pattern": "^[0-9]{5,15}$",
          "type": "string"
        }
      },
      "^(?i)nai$": {
        "minItems": 1,
        "maxItems": 3,
        "type": "array",
        "items": {
          "pattern": "^.+$",
          "type": "string"
        }
      },
      "^(?i)extid$": {
        "minItems": 1,
        "maxItems": 3,
        "type": "array",
        "items": {
          "pattern": "[^@]+@[^@]+$",
          "type": "string"
        }
      }
    },
    "type": "object",
    "properties": {
      "Tier": {
        "type": "string"
      },
      "BillingDay": {
        "maximum": 31,
        "type": "integer",
        "minimum": 1
      },
      "Entitlement": {
        "minItems": 1,
        "type": "array",
        "items": {
          "type": "string"
        }
      }
    }
  },
  "usage": {
    "additionalProperties": false,
    "type": "object",
    "properties": {

```

```

    "quota": {
      "type": "array",
      "items": {
        "type": "object",
        "properties": {
          "totalVolume": {
            "pattern": "^[x20-x7e]{0,255}$",
            "type": "string"
          },
          "name": {
            "type": "string"
          },
          "nextResetTime": {
            "type": "string"
          },
          "time": {
            "pattern": "^[x20-x7e]{0,255}$",
            "type": "string"
          },
          "outputVolume": {
            "pattern": "^[x20-x7e]{0,255}$",
            "type": "string"
          },
          "inputVolume": {
            "pattern": "^[x20-x7e]{0,255}$",
            "type": "string"
          },
          "serviceSpecific": {
            "pattern": "^[x20-x7e]{0,255}$",
            "type": "string"
          },
          "cid": {
            "pattern": "^[x20-x7e]{0,255}$",
            "type": "string"
          }
        }
      }
    },
    "SequenceNumber": {
      "type": "integer"
    },
    "version": {
      "type": "integer"
    }
  },
  "definition": {
    "additionalProperties": false,
    "type": "object",
    "properties": {
      "DynamicQuota": {
        "type": "array",
        "items": {
          "type": "object",
          "properties": {
            "InstanceId": {

```

```

        "pattern": "[x20-x7e]{0,255}$",
        "type": "string"
    },
    "Priority": {
        "pattern": "[x20-x7e]{0,255}$",
        "type": "string"
    },
    "InitialInputVolume": {
        "pattern": "[x20-x7e]{0,255}$",
        "type": "string"
    },
    "Duration": {
        "pattern": "[x20-x7e]{0,255}$",
        "type": "string"
    },
    "InterimReportingInterval": {
        "pattern": "[x20-x7e]{0,255}$",
        "type": "string"
    },
    "InitialOutputVolume": {
        "pattern": "[x20-x7e]{0,255}$",
        "type": "string"
    },
    "Type": {
        "type": "string"
    },
    "activationdatetime": {
        "type": "string"
    },
    "expirationdatetime": {
        "type": "string"
    },
    "InitialTotalVolume": {
        "pattern": "[x20-x7e]{0,25}$",
        "type": "string"
    },
    "name": {
        "type": "string"
    },
    "InitialServiceSpecific": {
        "pattern": "[x20-x7e]{0,25}$",
        "type": "string"
    },
    "InitialTime": {
        "pattern": "[x20-x7e]{0,25}$",
        "type": "string"
    }
}

}

},
"SequenceNumber": {
    "type": "string"
},
"version": {
    "type": "integer"
}

```

```

    }
  },
  "state": {
    "type": "object",
    "properties": {
      "property": {
        "type": "array",
        "items": {
          "type": "object",
          "properties": {
            "name": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "value": {
              "type": "string"
            }
          }
        }
      }
    },
    "SequenceNumber": {
      "type": "integer"
    },
    "additionalProperties": false,
    "version": {
      "type": "integer"
    }
  }
}

```

6.6.5 PCF Schema Management - VSA GET V1

VSA_GET_V1

```

{
  "$schema": "http://json-schema.org/draft-07/schema#",
  "type": "object",
  "properties": {
    "subscriber": {
      "patternProperties": {
        "^(?i)accountid$": {
          "minItems": 1,
          "maxItems": 1,
          "type": "array",
          "items": {
            "pattern": "^[a-zA-Z0-9]{1,36}$",
            "type": "string"
          }
        },
        "^(?i)imsi$": {
          "minItems": 1,
          "maxItems": 3,

```

```

        "type": "array",
        "items": {
            "pattern": "^[0-9]{5,15}$",
            "type": "string"
        }
    },
    "^(?i)msisdn$": {
        "minItems": 1,
        "maxItems": 3,
        "type": "array",
        "items": {
            "pattern": "^[0-9]{5,15}$",
            "type": "string"
        }
    },
    "^(?i)nai$": {
        "minItems": 1,
        "maxItems": 3,
        "type": "array",
        "items": {
            "pattern": "^.+$",
            "type": "string"
        }
    },
    "^(?i)extid$": {
        "minItems": 1,
        "maxItems": 3,
        "type": "array",
        "items": {
            "pattern": "[^@]+@[^@]+$",
            "type": "string"
        }
    }
},
"type": "object",
"properties": {
    "Tier": {
        "type": "string"
    },
    "BillingDay": {
        "maximum": 31,
        "type": "integer",
        "minimum": 1
    },
    "Entitlement": {
        "minItems": 1,
        "type": "array",
        "items": {
            "type": "string"
        }
    }
}
},
"usage": {
    "additionalProperties": false,
    "type": "object",

```

```

    "properties": {
      "quota": {
        "type": "array",
        "items": {
          "type": "object",
          "properties": {
            "totalVolume": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "name": {
              "type": "string"
            },
            "nextResetTime": {
              "type": "string"
            },
            "time": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "outputVolume": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "inputVolume": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "serviceSpecific": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "cid": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            }
          }
        }
      },
      "SequenceNumber": {
        "type": "integer"
      },
      "version": {
        "type": "integer"
      }
    },
    "definition": {
      "additionalProperties": false,
      "type": "object",
      "properties": {
        "DynamicQuota": {
          "type": "array",
          "items": {
            "type": "object",
            "properties": {

```

```

        "InstanceId": {
            "pattern": "^[x20-x7e]{0,255}$",
            "type": "string"
        },
        "Priority": {
            "pattern": "^[x20-x7e]{0,255}$",
            "type": "string"
        },
        "InitialInputVolume": {
            "pattern": "^[x20-x7e]{0,255}$",
            "type": "string"
        },
        "Duration": {
            "pattern": "^[x20-x7e]{0,255}$",
            "type": "string"
        },
        "InterimReportingInterval": {
            "pattern": "^[x20-x7e]{0,255}$",
            "type": "string"
        },
        "InitialOutputVolume": {
            "pattern": "^[x20-x7e]{0,255}$",
            "type": "string"
        },
        "Type": {
            "type": "string"
        },
        "activationdatetime": {
            "type": "string"
        },
        "expirationdatetime": {
            "type": "string"
        },
        "InitialTotalVolume": {
            "pattern": "^[x20-x7e]{0,25}$",
            "type": "string"
        },
        "name": {
            "type": "string"
        },
        "InitialServiceSpecific": {
            "pattern": "^[x20-x7e]{0,25}$",
            "type": "string"
        },
        "InitialTime": {
            "pattern": "^[x20-x7e]{0,25}$",
            "type": "string"
        }
    }
},
"SequenceNumber": {
    "type": "string"
},
"version": {
    "type": "integer"
}

```

```

    }
  },
  "state": {
    "type": "object",
    "properties": {
      "property": {
        "type": "array",
        "items": {
          "type": "object",
          "properties": {
            "name": {
              "pattern": "^[x20-x7e]{0,255}$",
              "type": "string"
            },
            "value": {
              "type": "string"
            }
          }
        }
      }
    }
  },
  "SequenceNumber": {
    "type": "integer"
  },
  "additionalProperties": false,
  "version": {
    "type": "integer"
  }
}
}
}
}
}

```

6.6.6 PUT Profile Data

To add a new field "customFieldKey" for profile-data.

```

{
  "type": "object",
  "$schema": "http://json-schema.org/draft-07/schema#",
  "properties": {
    "profile-fields": {
      "type": "object",
      "properties": {
        "customFieldKey": {
          "type": "string"
        }
      }
    }
  },
  "patternProperties": {
    "^(?i)nai$": {
      "type": "array",
      "items": {
        "type": "string",

```



```

        "pattern": "^.+ $"
      },
      "maxItems": 5,
      "minItems": 1
    },
    "^(?i)imsi$": {
      "type": "array",
      "items": {
        "type": "string",
        "pattern": "^[0-9]{5,15}$"
      },
      "maxItems": 5,
      "minItems": 1
    },
    "^(?i)extid$": {
      "type": "array",
      "items": {
        "type": "string",
        "pattern": "^[a-zA-Z0-9_!#$%&â€™*+/?`{}~^.- ]+@[a-zA-Z0-9.- ]"
      },
      "maxItems": 5,
      "minItems": 1
    },
    "^(?i)msisdn$": {
      "type": "array",
      "items": {
        "type": "string",
        "pattern": "^[0-9]{5,15}$"
      },
      "maxItems": 5,
      "minItems": 1
    },
    "^(?i)imei$": {
      "type": "array",
      "items": {
        "type": "string",
        "pattern": "^[0-9]{14,15}$"
      },
      "maxItems": 1,
      "minItems": 1
    },
    "^(?i)imeisv$": {
      "type": "array",
      "items": {
        "type": "string",
        "pattern": "^[0-9]{16}$"
      },
      "maxItems": 1,
      "minItems": 1
    },
    "^(?i)accountid$": {
      "type": "array",
      "items": {
        "type": "string",
        "pattern": "^[a-zA-Z0-9]{1,36}$"
      }
    }
  }
}

```

```

    },
    "maxItems": 1,
    "minItems": 1
  },
  "^(?i)pei$": {
    "type": "array",
    "items": {
      "type": "string",
      "pattern": "^(imei-[0-9]{14,15}|imeisv-[0-9]{16}|mac((-[0-9a-fA-F]{2}){6})(-untrusted)?|eui((-[0-9a-fA-F]{2}){8}))$"
    },
    "maxItems": 1,
    "minItems": 1
  },
  "^(?i)supi$": {
    "type": "array",
    "items": {
      "type": "string",
      "pattern": "^(imsi-[0-9]{5,15}|nai-.|gci-.|gli-.+)$"
    },
    "maxItems": 1,
    "minItems": 1
  },
  "^(?i)gpsi$": {
    "type": "array",
    "items": {
      "type": "string",
      "pattern": "^(msisdn-[0-9]{5,15}|extid-[^@]+@[^@]+)$"
    },
    "maxItems": 1,
    "minItems": 1
  }
},
"additionalProperties": false
}

```

6.6.7 PUT - sm-data schema

To remove mandatory parameter for sm-data:

```

{
  "$schema": "http://json-schema.org/draft-07/schema#",
  "type": "object",
  "required": ["smPolicySnssaiData"],
  "properties": {
    "umData": {
      "patternProperties": {
        "^(.*)$": {
          "type": "object",
          "required": ["limitId"],
          "properties": {
            "allowedUsage": {
              "usageLimit": null,
              "type": "object",
              "properties": {

```

```

        "duration": {
          "type": "integer",
          "minimum": 0
        },
        "totalVolume": {
          "format": "int64",
          "type": "integer",
          "minimum": 0
        },
        "downlinkVolume": {
          "format": "int64",
          "type": "integer",
          "minimum": 0
        },
        "uplinkVolume": {
          "format": "int64",
          "type": "integer",
          "minimum": 0
        }
      }
    },
    "customAllowedUsage": {
      "usageLimit": null,
      "type": "object",
      "properties": {
        "duration": {
          "type": "integer",
          "minimum": 0
        },
        "totalVolume": {
          "format": "int64",
          "type": "integer",
          "minimum": 0
        },
        "downlinkVolume": {
          "format": "int64",
          "type": "integer",
          "minimum": 0
        },
        "uplinkVolume": {
          "format": "int64",
          "type": "integer",
          "minimum": 0
        }
      }
    },
    "grantedUsage": {
      "usageLimit": null,
      "type": "object",
      "properties": {
        "duration": {
          "type": "integer",
          "minimum": 0
        },
        "totalVolume": {
          "format": "int64",

```

```

        "type": "integer",
        "minimum": 0
      },
      "downlinkVolume": {
        "format": "int64",
        "type": "integer",
        "minimum": 0
      },
      "uplinkVolume": {
        "format": "int64",
        "type": "integer",
        "minimum": 0
      }
    }
  },
  "limitId": {
    "type": "string",
    "pattern": "[^(?!\\\\\\\\s*$).+]{1,}"
  },
  "scopes": {
    "patternProperties": {
      "^(.*)$": {
        "type": "object",
        "required": ["snssai"],
        "properties": {
          "snssai": {
            "type": "object",
            "required": ["sst"],
            "properties": {
              "sd": {
                "pattern": "[A-Za-f0-9]{6}$",
                "type": "string"
              },
              "sst": {
                "maximum": 255,
                "type": "integer",
                "minimum": 0
              }
            }
          }
        }
      },
      "dnn": {
        "minItems": 1,
        "type": "array",
        "items": {
          "type": "string"
        }
      }
    }
  },
  "type": "object"
},
"umLevel": {
  "enum": ["SESSION_LEVEL", "SERVICE_LEVEL"]
},

```

```

        "resetTime": {
          "anyOf": [{
            "type": "string",
            "format": "date-time"
          }, {
            "pattern": "^\\\\\\\\d{4}\\\\\\\\-\\\\\\\\d{2}\\\\\\\\-\\\\\\\\d{2}T\\\\\\\\d{2}:\\\\\\\\d{2}:\\\\\\\\d{2}:\\\\\\\\d{2}([Z]|(\\\\\\\\+|\\\\\\\\-))\\\\\\\\d{2}:\\\\\\\\d{2}))?$",
            "type": "string"
          }]
        },
      },
    },
  },
  "type": "object",
  "minProperties": 1
},
"umDataLimits": {
  "patternProperties": {
    "^(.*)$": {
      "type": "object",
      "required": ["limitId"],
      "properties": {
        "resetPeriod": {
          "type": "object",
          "required": ["period"],
          "properties": {
            "period": {
              "enum": ["YEARLY", "MONTHLY", "WEEKLY",
"DAILY", "HOURLY"]
            },
            "maxNumPeriod": {
              "type": "integer",
              "minimum": 0
            }
          }
        },
      },
    },
    "endDate": {
      "anyOf": [{
        "type": "string",
        "format": "date-time"
      }, {
        "pattern": "^\\\\\\\\d{4}\\\\\\\\-\\\\\\\\d{2}\\\\\\\\-\\\\\\\\d{2}T\\\\\\\\d{2}:\\\\\\\\d{2}:\\\\\\\\d{2}:\\\\\\\\d{2}([Z]|(\\\\\\\\+|\\\\\\\\-))\\\\\\\\d{2}:\\\\\\\\d{2}))?$",
        "type": "string"
      }]
    },
  },
  "usageLimit": {
    "type": "object",
    "properties": {
      "duration": {
        "type": "integer",
        "minimum": 0
      },
      "totalVolume": {
        "format": "int64",
        "type": "integer",

```

```

        "minimum": 0
      },
      "downlinkVolume": {
        "format": "int64",
        "type": "integer",
        "minimum": 0
      },
      "uplinkVolume": {
        "format": "int64",
        "type": "integer",
        "minimum": 0
      }
    },
    "limitId": {
      "type": "string",
      "pattern": "[^(?!\\\\\\\\s*$).+]{1,}"
    },
    "Type": {
      "type": "string"
    },
    "name": {
      "type": "string"
    },
    "priority": {
      "type": "string"
    },
    "initialServiceSpecific": {
      "format": "int64",
      "type": "integer",
      "minimum": 0
    },
    "scopes": {
      "patternProperties": {
        "^(.*)$": {
          "type": "object",
          "required": ["snssai"],
          "properties": {
            "snssai": {
              "type": "object",
              "required": ["sst"],
              "properties": {
                "sd": {
                  "pattern": "[A-Za-f0-9]
{6}$",
                  "type": "string"
                },
                "sst": {
                  "maximum": 255,
                  "type": "integer",
                  "minimum": 0
                }
              }
            }
          }
        },
        "dnn": {
          "minItems": 1,

```

```

        "type": "array",
        "items": {
            "type": "string"
        }
    },
    },
    },
    },
    },
    "type": "object"
},
"umLevel": {
    "enum": ["SESSION_LEVEL", "SERVICE_LEVEL"]
},
"startDate": {
    "anyOf": [{
        "type": "string",
        "format": "date-time"
    }, {
        "pattern": "^\\\\\\\\d{4}\\\\\\\\-\\\\\\\\d{2}\\\\\\\\-\\\\\\\\d{2}T\\\\\\\\d{2}:\\\\\\\\d{2}:\\\\\\\\d{2}([Z]|(\\\\\\\\+|\\\\\\\\-))\\\\\\\\d{2}:\\\\\\\\d{2})?\\$",
        "type": "string"
    }]
},
"activationdatetime": {
    "anyOf": [{
        "type": "string",
        "format": "date-time"
    }, {
        "pattern": "^\\\\\\\\d{4}\\\\\\\\-\\\\\\\\d{2}\\\\\\\\-\\\\\\\\d{2}T\\\\\\\\d{2}:\\\\\\\\d{2}:\\\\\\\\d{2}([Z]|(\\\\\\\\+|\\\\\\\\-))\\\\\\\\d{2}:\\\\\\\\d{2})?\\$",
        "type": "string"
    }]
},
"validityDuration": {
    "type": "integer",
    "minimum": 0
},
"InterimReportingInterval": {
    "type": "string"
}
}
}
},
"suppFeat": {
    "pattern": "^\\[A-Fa-f0-9\\]*\\$",
    "type": "string"
},
"smPolicySnssaiData": {
    "patternProperties": {
        "^(.*)\\$": {
            "type": "object",
            "required": ["snssai"],
            "properties": {
                "smPolicyDnnData": {

```

```

    "patternProperties": {
      "^(.*)$": {
        "type": "object",
        "required": ["dnn"],
        "properties": {
          "adcSupport": {
            "type": "boolean"
          },
          "dnn": {
            "type": "string"
          },
          "ipv4Index": {
            "type": "integer"
          },
          "gbrDl": {
            "pattern": "^\\\\\\\\d+(\\\\\\\\.\\\\\\\\d+)?",
            "type": "string"
          },
          "mcsPriority": {
            "type": "boolean"
          },
          "subscSpendingLimits": {
            "type": "boolean"
          },
          "mcsPriorityLevel": {
            "type": "integer"
          },
          "chfInfo": {
            "type": "object",
            "required": ["primaryChfAddress",
              "secondaryChfAddress"],
            "properties": {
              "secondaryChfAddress": {
                "type": "string"
              },
              "primaryChfAddress": {
                "type": "string"
              }
            }
          },
          "praInfos": {
            "patternProperties": {
              "^(.*)$": {
                "type": "object",
                "properties": {
                  "ecgiList": {
                    "minItems": 1,
                    "type": "array",
                    "items": {
                      "nullable":
                        true,
                      "type":
                        "object",
                      "required":
                        ["plmnId", "eutraCellId"],

```



```

    "properties":
    {
      "eutraCellId": {
        "pattern": "^[A-Fa-f0-9]{7}$",
        "type": "string"
      },
      "nid": {
        "pattern": "^[A-Fa-f0-9]{13}$",
        "type": "string"
      },
      "plmnId":
      {
        "type": "object",
        "required": ["mcc", "mnc"],
        "properties": {
          "mnc": {
            "pattern": "^[\\d]{2,3}$",
            "type": "string"
          },
          "mcc": {
            "pattern": "^[\\d]{3}$",
            "type": "string"
          }
        }
      }
    },
    "globalRanNodeIdList": {
      "minItems": 1,
      "type": "array",
      "items": {
        "oneOf": [{
          "required": ["n3IwfId"],
          "required": ["gNbId"],
          "required": ["ngeNbId"]
        }, {

```

```

    }, {
      "required": ["eNbId"]
    }, {
      "type":
        "required":
        "properties":
          "eNbId": {
            "pattern": "^(MacroENB-[A-Fa-f0-9]{5}|LMacroENB-[A-Fa-f0-9]{6}|SMacroENB-[A-
            Fa-f0-9]{5}|HomeENB-[A-Fa-f0-9]{7})$",
            "type": "string"
          },
          "gNbId": {
            "type": "object",
            "required": ["bitLength", "gNbValue"],
            "properties": {
              "bitLength": {
                "maximum": 32,
                "type": "integer",
                "minimum": 22
              },
              "gNbValue": {
                "pattern": "^[A-Fa-f0-9]{6,8}$",
                "type": "string"
              }
            }
          },
          "nid": {
            "pattern": "^[A-Fa-f0-9]{13}$",
            "type": "string"
          },
          "plmnId": {
            "type": "object",
            "required": ["mcc", "mnc"],
            "properties": {

```

```

    "mnc": {
      "pattern": "^\\d{2,3}$",
      "type": "string"
    },

    "mcc": {
      "pattern": "^\\d{3}$",
      "type": "string"
    }
  },

  "n3IwfId": {
    "pattern": "^([A-Za-f0-9])+$",
    "type": "string"
  },

  "ngeNbId": {
    "pattern": "^(MacroGenB-[A-Za-f0-9]{5}|LMacroGenB-[A-Za-f0-9]{6}|
SMacroGenB-[A-Za-f0-9]{5})$",
    "type": "string"
  },

  "presenceState": {
    "enum": [
      "IN_AREA", "OUT_OF_AREA", "UNKNOWN", "INACTIVE"
    ],
    "required": true,
    "properties": {
      "nId": {
        "pattern": "^([A-Za-f0-9]){13}$",
        "type": "string"
      }
    }
  },
  "praId": {
    "type": "string"
  },
  "ncgiList": {
    "minItems": 1,
    "type": "array",
    "items": {
      "type": "object",
    }
  }
}

```

```

    },
    "plmnId":
  {
    "type": "object",
    "required": ["mcc", "mnc"],
    "properties": {
      "mnc": {
        "pattern": "^\\d{2,3}$",
        "type": "string"
      },
      "mcc": {
        "pattern": "^\\d{3}$",
        "type": "string"
      }
    }
  },
  "nrCellId": {
    "pattern": "^([A-Fa-f0-9]{9})$",
    "type": "string"
  },
  "trackingAreaList": {
    "minItems": 1,
    "type": "array",
    "items": {
      "type":
    },
    "required":
    "properties":
      "tac": {
        "pattern": "([A-Fa-f0-9]{4})|([A-Fa-f0-9]{6})$",
        "type": "string"
      },
      "nid": {
        "pattern": "^([A-Fa-f0-9]{13})$",
        "type": "string"
      }
    }
  },
  "type": "object",
  ["plmnId", "tac"],
  {
    "pattern": "([A-Fa-f0-9]{4})|([A-Fa-f0-9]{6})$",
    "type": "string"
  },
  "type": "string"

```

```

    },
    "plmnId":
  {
    "type": "object",
    "required": ["mcc", "mnc"],
    "properties": {
      "mnc": {
        "pattern": "^\\\\\\\\d{2,3}$",
        "type": "string"
      },
      "mcc": {
        "pattern": "^\\\\\\\\d{3}$",
        "type": "string"
      }
    }
  },
  "globaleNbIdList": {
    "minItems": 1,
    "type": "array",
    "items": {
      "oneOf": [{
        "required": ["n3IwfId"],
        "required": ["gNbId"],
        "required": ["ngeNbId"],
        "required": ["eNbId"],
        "type": "object",
        "required": ["plmnId"],
        "properties": {
          "eNbId": {
            "pattern": "^((MacroenB-[A-Fa-f0-9]{5}|LMacroenB-[A-Fa-f0-9]{6}|SMacroenB-[A-Fa-f0-9]{5}|HomeenB-[A-Fa-f0-9]{7}))$",

```

```

"type": "string"
},
"gnbId": {

"type": "object",
"required": ["bitLength", "gnbValue"],
"properties": {
"bitLength": {
"maximum": 32,
"type": "integer",
"minimum": 22
},
"gnbValue": {
"pattern": "^[A-Fa-f0-9]{6,8}$",
"type": "string"
}
},
"nid": {

"pattern": "^[A-Fa-f0-9]{13}$",
"type": "string"
},
"plmnId":
{
"type": "object",
"required": ["mcc", "mnc"],
"properties": {
"mnc": {
"pattern": "^\\\\\\\\d{2,3}$",
"type": "string"
},
"mcc": {
"pattern": "^\\\\\\\\d{3}$",
"type": "string"
}
}
}

```

```

    },
    "n3IwfId": {
      "pattern": "^[A-Fa-f0-9]+$",
      "type": "string"
    },
    "ngeNbId": {
      "pattern": "^(MacroNGeNB-[A-Fa-f0-9]{5}|LMacroNGeNB-[A-Fa-f0-9]{6}|
SMacroNGeNB-[A-Fa-f0-9]{5})$",
      "type": "string"
    }
  },
  "minProperties": 1
},
"refUmDataLimitIds": {
  "patternProperties": {
    "^(.*)$": {
      "nullable": true,
      "type": "object",
      "required": ["limitId"],
      "properties": {
        "monkey": {
          "minItems": 1,
          "type": "array",
          "items": {
            "type":
"string"
          }
        },
        "limitId": {
          "type": "string",
          "pattern": "[^(?!\\
\\\\s*$).+]{1,}"
        }
      }
    }
  },
  "type": "object",
  "minProperties": 1
},
"bdtRefIds": {
  "patternProperties": {
    "^(.*)$": {
      "nullable": true,
      "type": "string"
    }
  }
}

```

```

        },
        "nullable": true,
        "type": "object",
        "minProperties": 1
    },
    "offline": {
        "type": "boolean"
    },
    "allowedServices": {
        "minItems": 1,
        "type": "array",
        "items": {
            "type": "string"
        }
    },
    "mpsPriority": {
        "type": "boolean"
    },
    "imsSignallingPrio": {
        "type": "boolean"
    },
    "gbrUL": {
        "pattern": "^\\\\\\\\d+(\\\\\\\\.\\\\\\\\d+)?",
        "type": "string"
    },
    "subscCats": {
        "minItems": 1,
        "type": "array",
        "items": {
            "type": "string"
        }
    },
    "online": {
        "type": "boolean"
    },
    "ipv6Index": {
        "type": "integer"
    },
    "mpsPriorityLevel": {
        "type": "integer"
    }
    }
    },
    "type": "object"
},
"snssai": {
    "type": "object",
    "required": ["sst"],
    "properties": {
        "sd": {
            "pattern": "[A-Fa-f0-9]{6}$",
            "type": "string"
        },
        "sst": {

```



```

        "maximum": 255,
        "type": "integer",
        "minimum": 0
      }
    }
  }
},
"type": "object",
"minProperties": 1
}
}
}

```

6.6.8 PUT-ue-policy-set schema

```

{
  "$schema": "http://json-schema.org/draft-07/schema#",
  "type": "object",
  "properties": {
    "uePolicySections": {
      "patternProperties": {
        "^(.*)$": {
          "type": "object",
          "required": [
            "uePolicySectionInfo",
            "upsi"
          ],
          "properties": {
            "uePolicySectionInfo": {
              "format": "byte",
              "type": "string"
            },
            "upsi": {
              "type": "string"
            }
          }
        }
      }
    },
    "type": "object",
    "minProperties": 1
  },
  "pei": {
    "pattern": "^(imei-[0-9]{15}|imeisv-[0-9]{16}|mac([0-9a-fA-F]{2})((-[0-9a-fA-F]{2}){5})|.+)$",
    "type": "string"
  },
  "osIds": {
    "minItems": 1,
    "type": "array",
    "items": {
      "format": "uuid",
      "type": "string"
    }
  }
}

```

```

    },
    "upsis": {
      "minItems": 1,
      "type": "array",
      "items": {
        "type": "string"
      }
    },
    "andspInd": {
      "type": "boolean"
    },
    "subscCats": {
      "minItems": 1,
      "type": "array",
      "items": {
        "type": "string"
      }
    },
    "allowedRouteSelDescs": {
      "patternProperties": {
        "^(.*)$": {
          "type": "object",
          "required": [
            "servingPlmn"
          ],
          "properties": {
            "servingPlmn": {
              "type": "object",
              "required": [
                "mcc",
                "mnc"
              ],
              "properties": {
                "mnc": {
                  "pattern": "^\\d{2,3}$",
                  "type": "string"
                },
                "mcc": {
                  "pattern": "^\\d{3}$",
                  "type": "string"
                }
              }
            }
          }
        }
      },
      "snssaiRouteSelDescs": {
        "type": "array",
        "items": {
          "type": "object",
          "required": [
            "snssai"
          ],
          "properties": {
            "snssai": {
              "type": "object",
              "required": [
                "sst"
              ],
            },

```

$\}$

```

        "type": "object",
        "minProperties": 1
    },
    "praInfos": {
        "patternProperties": {
            "^(.*)$": {
                "type": "object",
                "properties": {
                    "ecgiList": {
                        "minItems": 1,
                        "type": "array",
                        "items": {
                            "nullable": true,
                            "type": "object",
                            "required": [
                                "plmnId",
                                "eutraCellId"
                            ],
                            "properties": {
                                "eutraCellId": {
                                    "pattern": "^[A-Fa-f0-9]{7}$",
                                    "type": "string"
                                },
                                "nid": {
                                    "pattern": "^[A-Fa-f0-9]{13}$",
                                    "type": "string"
                                },
                                "plmnId": {
                                    "type": "object",
                                    "required": [
                                        "mcc",
                                        "mnc"
                                    ],
                                    "properties": {
                                        "mnc": {
                                            "pattern": "^\\d{2,3}$",
                                            "type": "string"
                                        },
                                        "mcc": {
                                            "pattern": "^\\d{3}$",
                                            "type": "string"
                                        }
                                    }
                                }
                            }
                        }
                    }
                }
            }
        },
        "globalRanNodeIdList": {
            "minItems": 1,
            "type": "array",
            "items": {
                "oneOf": [
                    {
                        "required": [
                            "n3IwfId"
                        ]
                    }
                ]
            }
        }
    }
}

```

```

    },
    {
      "required": [
        "gNbId"
      ]
    },
    {
      "required": [
        "ngeNbId"
      ]
    },
    {
      "required": [
        "eNbId"
      ]
    }
  ],
  "type": "object",
  "required": [
    "plmnId"
  ],
  "properties": {
    "eNbId": {
      "pattern": "^(MacroNb-[A-Fa-f0-9]{5}|
LMacroNb-[A-Fa-f0-9]{6}|SMacroNb-[A-Fa-f0-9]{5}|HomeNb-[A-Fa-f0-9]{7})$",
      "type": "string"
    },
    "gNbId": {
      "type": "object",
      "required": [
        "bitLength",
        "gNbValue"
      ],
      "properties": {
        "bitLength": {
          "maximum": 32,
          "type": "integer",
          "minimum": 22
        },
        "gNbValue": {
          "pattern": "[A-Fa-f0-9]
{6,8}$",
          "type": "string"
        }
      }
    },
    "nid": {
      "pattern": "[A-Fa-f0-9]{13}$",
      "type": "string"
    },
    "plmnId": {
      "type": "object",
      "required": [
        "mcc",
        "mnc"
      ],

```

```

        "properties": {
          "mnc": {
            "pattern": "^\\d{2,3}$",
            "type": "string"
          },
          "mcc": {
            "pattern": "^\\d{3}$",
            "type": "string"
          }
        },
        "n3IwfId": {
          "pattern": "[A-Fa-f0-9]+$",
          "type": "string"
        },
        "ngeNbId": {
          "pattern": "^(MacroNGeNB-[A-Fa-f0-9]{5}|LMacroNGeNB-[A-Fa-f0-9]{6}|SMacroNGeNB-[A-Fa-f0-9]{5})$",
          "type": "string"
        }
      },
      "presenceState": {
        "enum": [
          "IN_AREA",
          "OUT_OF_AREA",
          "UNKNOWN",
          "INACTIVE"
        ]
      },
      "praId": {
        "type": "string"
      },
      "ncgiList": {
        "minItems": 1,
        "type": "array",
        "items": {
          "type": "object",
          "required": [
            "plmnId",
            "nrCellId"
          ],
          "properties": {
            "nid": {
              "pattern": "[A-Fa-f0-9]{13}$",
              "type": "string"
            },
            "plmnId": {
              "type": "object",
              "required": [
                "mcc",
                "mnc"
              ],
              "properties": {
                "mnc": {

```

```

        "pattern": "^\\d{2,3}$",
        "type": "string"
    },
    "mcc": {
        "pattern": "^\\d{3}$",
        "type": "string"
    }
},
    "nrCellId": {
        "pattern": "[A-Fa-f0-9]{9}$",
        "type": "string"
    }
}
},
    "trackingAreaList": {
        "minItems": 1,
        "type": "array",
        "items": {
            "type": "object",
            "required": [
                "plmnId",
                "tac"
            ],
            "properties": {
                "tac": {
                    "pattern": "([A-Fa-f0-9]{4}$)|([A-
Fa-f0-9]{6}$)",
                    "type": "string"
                },
                "nid": {
                    "pattern": "[A-Fa-f0-9]{13}$",
                    "type": "string"
                },
                "plmnId": {
                    "type": "object",
                    "required": [
                        "mcc",
                        "mnc"
                    ],
                    "properties": {
                        "mnc": {
                            "pattern": "^\\d{2,3}$",
                            "type": "string"
                        },
                        "mcc": {
                            "pattern": "^\\d{3}$",
                            "type": "string"
                        }
                    }
                }
            }
        }
    },
    "globaleNbIdList": {

```

```

    "minItems": 1,
    "type": "array",
    "items": {
      "oneOf": [
        {
          "required": [
            "n3IwfId"
          ]
        },
        {
          "required": [
            "gNbId"
          ]
        },
        {
          "required": [
            "ngeNbId"
          ]
        },
        {
          "required": [
            "eNbId"
          ]
        }
      ],
      "type": "object",
      "required": [
        "plmnId"
      ],
      "properties": {
        "eNbId": {
          "pattern": "^(MacroeNB-[A-Fa-f0-9]{5}|
LMacroeNB-[A-Fa-f0-9]{6}|SMacroeNB-[A-Fa-f0-9]{5}|HomeeNB-[A-Fa-f0-9]{7})$",
          "type": "string"
        },
        "gNbId": {
          "type": "object",
          "required": [
            "bitLength",
            "gNbValue"
          ],
          "properties": {
            "bitLength": {
              "maximum": 32,
              "type": "integer",
              "minimum": 22
            },
            "gNbValue": {
              "pattern": "[A-Fa-f0-9]
{6,8}$",
              "type": "string"
            }
          }
        },
        "nid": {
          "pattern": "[A-Fa-f0-9]{13}$",

```



```

        "type": "string"
      },
      "plmnId": {
        "type": "object",
        "required": [
          "mcc",
          "mnc"
        ],
        "properties": {
          "mnc": {
            "pattern": "^\\d{2,3}$",
            "type": "string"
          },
          "mcc": {
            "pattern": "^\\d{3}$",
            "type": "string"
          }
        }
      },
      "n3IwfId": {
        "pattern": "^[A-Za-f0-9]+$",
        "type": "string"
      },
      "ngeNbId": {
        "pattern": "^(MacroNGeNB-[A-Za-f0-9]{5}|LMacroNGeNB-[A-Za-f0-9]{6}|SMacroNGeNB-[A-Za-f0-9]{5})$",
        "type": "string"
      }
    }
  },
  "type": "object",
  "minProperties": 1
}

```

6.7 SLF Schema Management - PUT (SLF)

SLF_GROUP_PROV_SCHEMA

```

{
  "type": "object",
  "$schema": "http://json-schema.org/draft-07/schema#",
  "required": [
    "nfGroupIDs",
    "slfGroupName",
    "slfGroupType"
  ],
  "properties": {
    "nfGroupIDs": {
      "type": "object",

```

```

    "propertyNames": {
      "enum": [
        "NRF",
        "UDM",
        "AMF",
        "SMF",
        "AUSF",
        "NEF",
        "PCF",
        "SMSF",
        "NSSF",
        "UDR",
        "LMF",
        "GMLC",
        "5G_EIR",
        "SEPP",
        "UPF",
        "N3IWF",
        "AF",
        "UDSF",
        "BSF",
        "CHF",
        "NWDAF",
        "PCSCF",
        "CBCF",
        "HSS",
        "UCMF"
      ],
      "type": "string"
    },
    "patternProperties": {
      "": {
        "type": "string",
        "minLength": 1
      }
    },
    "minProperties": 1
  },
  "slfGroupName": {
    "type": "string",
    "minLength": 1
  },
  "slfGroupType": {
    "enum": [
      "ImsHss",
      "LteHss",
      "Pcrf",
      "Ocs",
      "Ofcs",
      "Aaa",
      "UserDef1",
      "UserDef2"
    ],
    "type": "string"
  },
  "expiry": {

```

```

        "format": "date-time",
        "type": "string"
      },
      "additionalProperties": false
    }
  }
}

```

6.8 Payload Reference for UDM Schema Management

The UDM Schema Management includes:

- [UDM Schema Management - PUT \(provisioned-data/am-data\)](#)
- [UDM Schema Management - PUT\(provisioned/sm-data\)](#)
- [UDM Schema Management - PUT \(provisioned/smf-selection-subscription-data\)](#)
- [UDM Schema Management - PUT\(provisioned/sms-mng-data\)](#)
- [UDM Schema Management - PUT\(provisioned/trace-data\)](#)
- [UDM Schema Management - PUT\(provisioned/sms-data\)](#)

6.8.1 UDM Schema Management - PUT (provisioned-data/am-data)

Schema for provisioned/am-data

```

{
  "type": "object",
  "$schema": "http://json-schema.org/draft-07/schema#",
  "properties": {
    "custom": {
      "type": "string"
    },
    "gpsis": {
      "type": "array",
      "items": {
        "type": "string",
        "pattern": "^(msisdn-[0-9]{5,15}|extid-[^@]+@[^@]+|.+) $"
      }
    },
    "nssai": {
      "type": "object",
      "nullable": true,
      "required": ["defaultSingleNssais"],
      "properties": {
        "singleNssais": {
          "type": "array",
          "items": {
            "type": "object",
            "required": ["sst"],
            "properties": {
              "sd": {
                "type": "string",
                "pattern": "[A-Za-f0-9]{6} $"
              },
              "sst": {

```

```

        "type": "integer",
        "maximum": 255,
        "minimum": 0
      },
    },
    "additionalProperties": false
  },
  "minItems": 1
},
"supportedFeatures": {
  "type": "string",
  "pattern": "^[A-Za-f0-9]*$"
},
"defaultSingleNssais": {
  "type": "array",
  "items": {
    "type": "object",
    "required": ["sst"],
    "properties": {
      "sd": {
        "type": "string",
        "pattern": "^[A-Za-f0-9]{6}$"
      },
      "sst": {
        "type": "integer",
        "maximum": 255,
        "minimum": 0
      }
    }
  },
  "additionalProperties": false
},
"minItems": 1
}
},
"additionalProperties": false
},
"sorInfo": {
  "type": "object",
  "required": ["ackInd", "provisioningTime"],
  "properties": {
    "ackInd": {
      "type": "boolean"
    },
    "countersor": {
      "type": "string",
      "pattern": "^[A-Za-f0-9]{4}$"
    },
    "sorMacIausf": {
      "type": "string",
      "pattern": "^[A-Za-f0-9]{32}$"
    },
    "provisioningTime": {
      "type": "string",
      "format": "date-time"
    }
  },
  "steeringContainer": {

```

```

        "oneOf": [{
            "type": "array",
            "items": {
                "type": "object",
                "required": ["plmnId"],
                "properties": {
                    "plmnId": {
                        "type": "object",
                        "required": ["mcc", "mnc"],
                        "properties": {
                            "mcc": {
                                "type": "string",
                                "pattern": "^[0-9]{3}$"
                            },
                            "mnc": {
                                "type": "string",
                                "pattern": "^[0-9]{2,3}$"
                            }
                        }
                    },
                    "additionalProperties": false
                },
                "accessTechList": {
                    "type": "array",
                    "items": {
                        "enum": ["NR",
"EUTRAN_IN_WBS1_MODE_AND_NBS1_MODE", "EUTRAN_IN_NBS1_MODE_ONLY",
"EUTRAN_IN_WBS1_MODE_ONLY", "UTRAN", "GSM_AND_ECGSM_IoT",
"GSM_WITHOUT_ECGSM_IoT", "ECGSM_IoT_ONLY", "CDMA_1xRTT", "CDMA_HRPD",
"GSM_COMPACT"],
                        "type": "string"
                    },
                    "minItems": 1
                }
            }
        }],
        "minItems": 1
    }, {
        "type": "string",
        "pattern": "^(.*)$"
    }
]]
},
"additionalProperties": false
},
"upuInfo": {
    "type": "object",
    "required": ["upuDataList", "upuAckInd", "upuRegInd",
"provisioningTime"],
    "properties": {
        "upuAckInd": {
            "type": "boolean"
        },
        "upuRegInd": {
            "type": "boolean"
        },
        "counterUpu": {

```

```

        "type": "string",
        "pattern": "^[A-Fa-f0-9]{4}$"
    },
    "upuDataList": {
        "type": "array",
        "items": {
            "type": "object",
            "oneOf": [{
                "required": ["secPacket"]
            }, {
                "required": ["defaultConfNssai"]
            }],
            "properties": {
                "secPacket": {
                    "type": "string",
                    "format": "base64"
                }
            }
        },
        "defaultConfNssai": {
            "type": "array",
            "items": {
                "type": "object",
                "required": ["sst"],
                "properties": {
                    "sd": {
                        "type": "string",
                        "pattern": "^[A-Fa-f0-9]{6}$"
                    },
                    "sst": {
                        "type": "integer",
                        "maximum": 255,
                        "minimum": 0
                    }
                }
            },
            "additionalProperties": false
        },
        "minItems": 1
    },
    "upuMacIausf": {
        "type": "string",
        "pattern": "^[A-Fa-f0-9]{32}$"
    },
    "provisioningTime": {
        "type": "string",
        "format": "date-time"
    },
    "additionalProperties": false
},
"rfspIndex": {
    "type": "integer",
    "maximum": 256,
    "minimum": 1,

```

```

        "nullable": true
    },
    "activeTime": {
        "type": "integer",
        "nullable": true
    },
    "mcsPriority": {
        "type": "boolean"
    },
    "micoAllowed": {
        "type": "boolean"
    },
    "mpsPriority": {
        "type": "boolean"
    },
    "ueUsageType": {
        "type": "integer"
    },
    "subsRegTimer": {
        "type": "integer",
        "nullable": true
    },
    "dlPacketCount": {
        "type": "integer",
        "minimum": -1
    },
    "forbiddenAreas": {
        "type": "array",
        "items": {
            "type": "object",
            "oneOf": [{
                "required": ["tacs"]
            }, {
                "required": ["areaCode"]
            }],
            "properties": {
                "tacs": {
                    "type": "array",
                    "items": {
                        "type": "string",
                        "pattern": "^(^([A-Fa-f0-9]{4}$)|(^([A-Fa-f0-9]{6}$))"
                    },
                    "minItems": 1
                },
                "areaCode": {
                    "type": "string"
                }
            }
        },
        "additionalProperties": false
    },
    "ratRestrictions": {
        "type": "array",
        "items": {
            "anyOf": [{
                "enum": ["NR", "EUTRA", "WLAN", "VIRTUAL"],

```

```

        "type": "string"
      }, {
        "type": "string"
      }]
    },
    "sharedAmDataIds": {
      "type": "array",
      "items": {
        "type": "string",
        "pattern": "^[0-9]{5,6}-.+ $"
      },
      "minItems": 1
    },
    "internalGroupIds": {
      "type": "array",
      "items": {
        "type": "string",
        "pattern": "^[A-Za-f0-9]{8}-[0-9]{3}-[0-9]{2,3}-([A-Za-f0-9]
[A-Za-f0-9]){1,10} $"
      },
      "minItems": 1
    },
    "subscribedUeAmbr": {
      "type": "object",
      "properties": {
        "uplink": {
          "type": "string",
          "pattern": "^[0-9]+(\\.[0-9]+)? (bps|Kbps|Mbps|Gbps|Tbps) $"
        },
        "downlink": {
          "type": "string",
          "pattern": "^[0-9]+(\\.[0-9]+)? (bps|Kbps|Mbps|Gbps|Tbps) $"
        }
      }
    },
    "additionalProperties": false
  },
  "odbPacketServices": {
    "anyOf": [{
      "enum": ["ALL_PACKET_SERVICES", "ROAMER_ACCESS_HPLMN_AP",
"ROAMER_ACCESS_VPLMN_AP"],
      "type": "string"
    }, {
      "type": "string",
      "nullable": true
    }]
  },
  "subscribedDnnList": {
    "type": "array",
    "items": {
      "type": "string"
    }
  },
  "supportedFeatures": {
    "type": "string",
    "pattern": "^[A-Za-f0-9]* $"
  }
}

```



```

    },
    "serviceAreaRestriction": {
      "type": "object",
      "allOf": [{
        "oneOf": [{
          "not": {
            "required": ["restrictionType"]
          }
        }, {
          "required": ["areas"]
        }]
      }],
      {
        "anyOf": [{
          "not": {
            "required": ["restrictionType"],
            "properties": {
              "restrictionType": {
                "enum": ["NOT_ALLOWED_AREAS"],
                "type": "string"
              }
            }
          }
        }, {
          "not": {
            "required": ["maxNumOfTAs"]
          }
        }]
      }, {
        "anyOf": [{
          "not": {
            "required": ["restrictionType"],
            "properties": {
              "restrictionType": {
                "enum": ["ALLOWED_AREAS"],
                "type": "string"
              }
            }
          }
        }, {
          "not": {
            "required": ["maxNumOfTAsForNotAllowedAreas"]
          }
        }]
      }],
    "properties": {
      "areas": {
        "type": "array",
        "items": {
          "type": "object",
          "oneOf": [{
            "required": ["tacs"]
          }, {
            "required": ["areaCode"]
          }],
          "properties": {
            "tacs": {

```

```

        "type": "array",
        "items": {
            "type": "string",
            "pattern": "^(^([A-Fa-f0-9]{4}$)|(^([A-Fa-
f0-9]{6}$)"
        },
        "minItems": 1
    },
    "areaCode": {
        "type": "string"
    }
},
"additionalProperties": false
}
},
"maxNumOfTAs": {
    "type": "integer",
    "minimum": 0
},
"restrictionType": {
    "anyOf": [{
        "enum": ["ALLOWED_AREAS", "NOT_ALLOWED_AREAS"],
        "type": "string"
    }, {
        "type": "string"
    }]
},
"maxNumOfTAsForNotAllowedAreas": {
    "type": "integer",
    "minimum": 0
}
},
"additionalProperties": false
},
"coreNetworkTypeRestrictions": {
    "type": "array",
    "items": {
        "enum": ["5GC", "EPC"],
        "type": "string"
    }
}
},
"additionalProperties": false
}

```

6.8.2 UDM Schema Management - PUT(provisioned/sm-data)

Schema for provisioned/sm-data

```

{
    "type": "object",
    "additionalProperties": false,
    "required": [
        "singleNssai"
    ],

```

```

"properties": {
  "custom": {
    "type": "string"
  },
  "dnnConfigurations": {
    "type": "object",
    "additionalProperties": false,
    "patternProperties": {
      "^(.*)$": {
        "type": "object",
        "additionalProperties": false,
        "required": [
          "pduSessionTypes",
          "sscModes"
        ],
        "properties": {
          "iwkEpsInd": {
            "type": "boolean"
          },
          "sessionAmbr": {
            "type": "object",
            "additionalProperties": false,
            "required": [
              "uplink",
              "downlink"
            ],
            "properties": {
              "uplink": {
                "type": "string",
                "pattern": "^[\\d+(\\.\\d+)? (bps|Kbps|
Mbps|Gbps|Tbps)$"
              },
              "downlink": {
                "type": "string",
                "pattern": "^[\\d+(\\.\\d+)? (bps|Kbps|
Mbps|Gbps|Tbps)$"
              }
            }
          }
        },
        "5gQosProfile": {
          "type": "object",
          "additionalProperties": false,
          "required": [
            "5qi",
            "arp"
          ],
          "properties": {
            "priorityLevel": {
              "type": "integer",
              "minimum": 1,
              "maximum": 127
            },
            "5qi": {
              "type": "integer",
              "minimum": 0,
              "maximum": 255
            }
          }
        }
      }
    }
  }
}

```

```

    },
    "arp": {
      "type": "object",
      "additionalProperties": false,
      "required": [
        "priorityLevel",
        "preemptCap",
        "preemptVuln"
      ],
      "properties": {
        "preemptCap": {
          "nullable": true,
          "anyOf": [
            {
              "enum": [
                "MAY_PREEMPT",
                "NOT_PREEMPT"
              ],
              "type": "string"
            },
            {
              "type": "string"
            }
          ]
        },
        "priorityLevel": {
          "type": "integer",
          "minimum": 1,
          "maximum": 15,
          "description": "nullable true",
          "nullable": true
        },
        "preemptVuln": {
          "nullable": true,
          "anyOf": [
            {
              "type": "string",
              "enum": [
                "MAY_PREEMPT",
                "NOT_PREEMPT"
              ]
            },
            {
              "type": "string"
            }
          ]
        }
      }
    }
  },
  "upSecurity": {
    "type": "object",
    "additionalProperties": false,
    "required": [

```

shall not be used for this attribute",

```

        "upIntegr",
        "upConfid"
    ],
    "properties": {
        "upIntegr": {
            "anyOf": [
                {
                    "type": "string",
                    "enum": [
                        "PREFERRED",
                        "REQUIRED",
                        "NOT_NEEDED"
                    ]
                },
                {
                    "type": "string"
                }
            ]
        },
        "upConfid": {
            "anyOf": [
                {
                    "enum": [
                        "PREFERRED",
                        "REQUIRED",
                        "NOT_NEEDED"
                    ],
                    "type": "string"
                },
                {
                    "type": "string"
                }
            ]
        }
    },
    "sscmodes": {
        "type": "object",
        "additionalProperties": false,
        "required": [
            "defaultSscMode"
        ],
        "properties": {
            "allowedSscModes": {
                "type": "array",
                "items": {
                    "anyOf": [
                        {
                            "type": "string",
                            "enum": [
                                "SSC_MODE_1",
                                "SSC_MODE_2",
                                "SSC_MODE_3"
                            ]
                        },
                        {

```

```

        "type": "string"
      }
    ]
  },
  "defaultSscMode": {
    "anyOf": [
      {
        "enum": [
          "SSC_MODE_1",
          "SSC_MODE_2",
          "SSC_MODE_3"
        ],
        "type": "string"
      },
      {
        "type": "string"
      }
    ]
  }
},
"3gppChargingCharacteristics": {
  "type": "string"
},
"pduSessionTypes": {
  "type": "object",
  "additionalProperties": false,
  "required": [
    "defaultSessionType"
  ],
  "properties": {
    "defaultSessionType": {
      "anyOf": [
        {
          "type": "string",
          "enum": [
            "IPV4V6",
            "IPV6",
            "UNSTRUCTURED",
            "IPV4",
            "ETHERNET"
          ]
        },
        {
          "type": "string"
        }
      ]
    }
  }
},
"allowedSessionTypes": {
  "type": "array",
  "items": {
    "anyOf": [
      {
        "enum": [
          "IPV4V6",

```

```

        "IPV6",
        "UNSTRUCTURED",
        "IPV4",
        "ETHERNET"
    ],
    "type": "string"
},
{
    "type": "string"
}
]
}
}
},
"staticIpAddress": {
    "type": "array",
    "minItems": 1,
    "maxItems": 2,
    "items": {
        "IpAddress": {
            "oneOf": [
                {
                    "required": [
                        "ipv4Addr"
                    ]
                },
                {
                    "required": [
                        "ipv6Addr"
                    ]
                },
                {
                    "required": [
                        "ipv6Prefix"
                    ]
                }
            ]
        },
        "additionalProperties": false,
        "type": "object",
        "properties": {
            "ipv6Addr": {
                "type": "string",
                "allOf": [
                    {
                        "pattern": "^(::|0?([1-9a-f][0-9a-f]{0,3})):(0?|([1-9a-f][0-9a-f]{0,3})){0,6}(:|0?|([1-9a-f][0-9a-f]{0,3}))$"
                    },
                    {
                        "pattern": "^(::|([1-9a-f][0-9a-f]{0,3})):([1-9a-f][0-9a-f]{0,3}){0,6}(:|0?|([1-9a-f][0-9a-f]{0,3}))$"
                    }
                ]
            },
            "example":

```

```

    },
    "ipv6Prefix": {
      "type": "string",
      "allof": [
        {
          "pattern": "^(::|0?|
([1-9a-f][0-9a-f]{0,3})):((0?|([1-9a-f][0-9a-f]{0,3})):){0,6}(:|0?|([1-9a-
f][0-9a-f]{0,3}))(\\/((([0-9])|([0-9]{2})|(1[0-1][0-9])|(12[0-8]))))$"
        },
        {
          "pattern": "^( ((([^\:]+\:){7}
([^\:]+)) | ((([^\:]+\:)*[^\:]+)?::((([^\:]+\:)*[^\:]+)?)) (\\/.+) ) $"
        }
      ],
      "example":
"2001:db8:abcd:12::0/64"
    },
    "ipv4Addr": {
      "pattern": "^(([0-9]|[1-9][0-9]|
1[0-9][0-9]|2[0-4][0-9]|25[0-5])\\.){3}([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4]
[0-9]|25[0-5])$",
      "type": "string",
      "example": "198.51.100.1"
    }
  }
}
}
}
}
},
"singleNssai": {
  "type": "object",
  "additionalProperties": false,
  "required": [
    "sst"
  ],
  "properties": {
    "sd": {
      "type": "string",
      "pattern": "^[A-Fa-f0-9]{6}$"
    },
    "sst": {
      "type": "integer",
      "minimum": 0,
      "maximum": 255
    }
  }
},
"odbPacketServices": {
  "nullable": true,
  "anyOf": [
    {
      "enum": [
        "ALL_PACKET_SERVICES",

```



```

        "ROAMER_ACCESS_VPLMN_AP",
        "ROAMER_ACCESS_HPLMN_AP"
    ],
    "type": "string"
},
{
    "type": "string"
}
]
},
"internalGroupIds": {
    "type": "array",
    "minItems": 1,
    "items": {
        "type": "string",
        "pattern": "^[A-Za-f0-9]{8}-[0-9]{3}-[0-9]{2,3}-([A-Za-f0-9]
[A-Za-f0-9]){1,10}$"
    }
},
"sharedDnnConfigurationsId": {
    "type": "string",
    "pattern": "^[0-9]{5,6}-.+ $"
}
}
}

```

6.8.3 UDM Schema Management - PUT (provisioned/smf-selection-subscription-data)

provisioned/smf-selection-subscription-data

```

{
    "type": "object",
    "properties": {
        "custom": {
            "type": "string"
        },
        "supportedFeatures": {
            "type": "string",
            "pattern": "^[A-Za-f0-9]* $"
        },
        "sharedSnssaiInfosId": {
            "type": "string"
        },
        "subscribedSnssaiInfos": {
            "type": "object",
            "patternProperties": {
                "^(.*)$": {
                    "type": "object",
                    "required": [
                        "dnnInfos"
                    ],
                    "properties": {
                        "dnnInfos": {

```

```

        "type": "array",
        "items": {
          "type": "object",
          "required": [
            "dnn"
          ],
          "properties": {
            "dnn": {
              "type": "string"
            },
            "iwkEpsInd": {
              "type": "boolean"
            },
            "lboRoamingAllowed": {
              "type": "boolean"
            },
            "defaultDnnIndicator": {
              "type": "boolean"
            }
          },
          "additionalProperties": false
        },
        "minItems": 1
      },
      "additionalProperties": false
    },
    "additionalProperties": false
  },
  "additionalProperties": false
}

```

6.8.4 UDM Schema Management - PUT(provisioned/sms-mng-data)

provisioned/sms-mng-data

```

{
  "type": "object",
  "properties": {
    "custom": {
      "type": "string"
    },
    "moSmsBarringAll": {
      "type": "boolean"
    },
    "moSmsSubscribed": {
      "type": "boolean"
    },
    "mtSmsBarringAll": {
      "type": "boolean"
    },
    "mtSmsSubscribed": {
      "type": "boolean"
    }
  },

```

```

        "supportedFeatures": {
            "type": "string",
            "pattern": "^[A-Za-f0-9]*$"
        },
        "moSmsBarringRoaming": {
            "type": "boolean"
        },
        "mtSmsBarringRoaming": {
            "type": "boolean"
        },
        "sharedSmsMngDataIds": {
            "type": "array",
            "items": {
                "type": "string",
                "pattern": "^[0-9]{5,6}-.+$"
            },
            "minItems": 1
        }
    },
    "additionalProperties": false
}

```

6.8.5 UDM Schema Management - PUT(provisioned/trace-data)

provisioned/trace-data

```

{
    "type": "object",
    "nullable": true,
    "required": [
        "traceRef",
        "traceDepth",
        "neTypeList",
        "eventList"
    ],
    "properties": {
        "custom": {
            "type": "string"
        },
        "traceRef": {
            "type": "string",
            "pattern": "^[0-9]{3}[0-9]{2,3}-[A-Za-f0-9]{6}$"
        },
        "eventList": {
            "type": "string",
            "pattern": "^[A-Za-f0-9]+$"
        },
        "neTypeList": {
            "type": "string",
            "pattern": "^[A-Za-f0-9]+$"
        },
        "traceDepth": {
            "anyOf": [
                {
                    "type": "string"
                }
            ]
        }
    }
}

```

```

        },
        {
            "enum": [
                "MINIMUM",
                "MEDIUM",
                "MAXIMUM",
                "MINIMUM_WO_VENDOR_EXTENSION",
                "MEDIUM_WO_VENDOR_EXTENSION",
                "MAXIMUM_WO_VENDOR_EXTENSION"
            ]
        },
        {
            "type": "string"
        }
    ]
},
"interfaceList": {
    "type": "string",
    "pattern": "^[A-Za-f0-9]+$"
},
"collectionEntityIpv4Addr": {
    "type": "string",
    "pattern": "^[([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])\\
\\.){3}([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])$"
},
"collectionEntityIpv6Addr": {
    "type": "string",
    "allof": [
        {
            "pattern": "^[(:|(0?|([1-9a-f][0-9a-f]{0,3})))?(:|(0?|
([1-9a-f][0-9a-f]{0,3})))?{0,6}(:|(0?|([1-9a-f][0-9a-f]{0,3})))$"
        },
        {
            "pattern": "^[(((^[^:]+){7}([^:]+))|(((^[^:]+)*[^:]+)?::
(((^[^:]+)*[^:]+)?))$)"
        }
    ]
}
}
},
"additionalProperties": false
}

```

6.8.6 UDM Schema Management - PUT(provisioned/sms-data)

provisioned/sms-data

```

{
    "type": "object",
    "properties": {
        "custom": {
            "type": "string"
        },
        "smsSubscribed": {
            "type": "boolean"
        }
    },

```

```

        "sharedSmsSubsDataId": {
            "type": "string",
            "pattern": "^[0-9]{5,6}-.+ $"
        }
    },
    "additionalProperties": false
}

```

6.9 Payload Reference for 4G Policy Data Operations

This section provides payload details for the following 4G Policy Data Operations.

6.9.1 POST - All Entity on 4G Policy Using VSA

```

{
  "subscriber": {
    "IMSI": ["302370123456789"],
    "ACCOUNTID": ["178322212122"],
    "MSISDN": ["15145551234", "15141234567"],
    "BillingDay": 6,
    "Entitlement": ["DayPass", "DayPassPlus"]
  },
  "usage": {
    "quota": [{
      "totalVolume": "100",
      "Type": "quota",
      "name": "Weekend",
      "cid": "9223372036854775808",
      "nextResetTime": "2014-01-10T02:00:00Z",
      "QuotaState": "active"
    },
    {
      "totalVolume": "100",
      "Type": "quota",
      "name": "Evenings",
      "cid": "9223372036854775809",
      "nextResetTime": "2014-02-01T00:00:00Z",
      "QuotaState": "active"
    }
  ],
  "version": 3
},
  "definition": {
    "SequenceNumber": 1,
    "version": 1,
    "DynamicQuota": [{
      "InstanceId": "15678",
      "Priority": "4",
      "InitialInputVolume": "15000",
      "InterimReportingInterval": "1000",
      "Duration": "100",
      "InitialOutputVolume": "5000",
      "Type": "pass",
      "activationdatetime": "2015-03-09T11:20:32",

```

```

        "expirationdatetime": "2015-04-09T11:20:32",
        "InitialTotalVolume": "20000",
        "name": "DynamicAggregateLimit",
        "InitialServiceSpecific": "9",
        "InitialTime": "135"
    }]
},
"state": {
    "property": [{
        "name": "mcc",
        "value": "123"
    }, {
        "name": "expire",
        "value": "201402-09T11:20:32"
    }],
    "version": 1
}
}

```

6.10 Payload Reference for NEF

This section provides payload details for NEF.

6.10.1 GET - Access and Mobility Data

```

{
  "ratType": "EUTRA",
  "location": {
    "nrLocation": {
      "tai": {
        "nid": "",
        "tac": "",
        "plmnId": {
          "mcc": "111",
          "mnc": "11"
        }
      },
      "ncgi": {
        "nid": "",
        "plmnId": {
          "mcc": "111",
          "mnc": "11"
        }
      },
      "nrCellId": ""
    },
    "globalGnbId": {
      "nid": "",
      "eNbId": "",
      "gNbId": {
        "gNBValue": "",
        "bitLength": 22
      }
    },
    "plmnId": {
      "mcc": "111",

```

```

        "mnc": "11"
      },
      "tngfId": "",
      "wagfId": "",
      "n3IwfId": "",
      "ngeNbId": ""
    },
    "eLocationTimestamp": "2013-09-29T18:46:19Z",
    "geodeticInformation": "",
    "geographicalInformation": "",
    "ageOfLocationInformation": 0
  },
  "eutraLocation": {
    "tai": {
      "nid": "",
      "tac": "",
      "plmnId": {
        "mcc": "161",
        "mnc": "23"
      }
    },
    "ecgi": {
      "nid": "",
      "plmnId": {
        "mcc": "222",
        "mnc": "22"
      }
    },
    "eutraCellId": ""
  },
  "ignoreTai": false,
  "ignoreEcgi": false,
  "globalENbId": {
    "nid": "",
    "eNbId": "",
    "gNbId": {
      "gNBValue": "",
      "bitLength": 22
    }
  },
  "plmnId": {
    "mcc": "111",
    "mnc": "11"
  },
  "tngfId": "",
  "wagfId": "",
  "n3IwfId": "",
  "ngeNbId": ""
},
"globalNgenbId": {
  "plmnId": {
    "mcc": "111",
    "mnc": "11"
  },
  "n3IwfId": "0"
},
"geodeticInformation": "12345678912345678989",
"ueLocationTimestamp": "2013-09-29T18:46:19Z",

```

```

        "geographicalInformation": "1234567891234563",
        "ageOfLocationInformation": 0
    }
},
"suppFeat": "",
"timeZone": "",
"regStates": [
    {
        "rmState": "",
        "accessType": ""
    }
],
"accessType": "3GPP_ACCESS",
"connStates": [
    {
        "cmState": "",
        "accessType": ""
    }
],
"locationTs": "2013-09-29T18:46:19Z",
"ratTypesTs": "2013-09-29T18:46:19Z",
"timeZoneTs": "2013-09-29T18:46:19Z",
"currentPlmn": {
    "mcc": "111",
    "mnc": "12"
},
"regStatesTs": "2013-09-29T18:46:19Z",
"connStatesTs": "2013-09-29T18:46:19Z",
"n3gaLocation": {
    "gci": "",
    "gli": "asss",
    "tnapId": {
        "ssId": "",
        "bssId": "",
        "civicAddress": ""
    },
    "twapId": {
        "ssId": "",
        "bssId": "",
        "civicAddress": ""
    },
    "n3IwfId": "a",
    "n3gppTai": {
        "nid": "",
        "tac": "",
        "plmnId": {
            "mcc": "111",
            "mnc": "11"
        }
    }
},
"n3hfcNodeId": {
    "hfcNid": ""
},
"portNumber": 0,
"ueIpv4Addr": "198.51.100.1",
"ueIpv6Addr": "2001:db8:85a3::8a2e:370:7334",

```



```

        "w5gbanLineType": "DSL"
    },
    "currentPlmnTs": "2013-09-29T18:46:19Z",
    "roamingStatus": true,
    "roamingStatusTs": "2013-09-29T18:46:19Z",
    "smsOverNasStatus": "",
    "reachabilityStatus": "",
    "smsOverNasStatusTs": "2013-09-29T18:46:19Z",
    "reachabilityStatusTs": "2013-09-29T18:46:19Z"
}

```

6.10.2 PUT - Access and Mobility Data

```

{
  "ratType": "EUTRA",
  "location": {
    "nrLocation": {
      "tai": {
        "nid": "",
        "tac": "",
        "plmnId": {
          "mcc": "111",
          "mnc": "11"
        }
      },
      "ncgi": {
        "nid": "",
        "plmnId": {
          "mcc": "111",
          "mnc": "11"
        }
      },
      "nrCellId": ""
    },
    "globalGnbId": {
      "nid": "",
      "eNbId": "",
      "gNbId": {
        "gNBValue": "",
        "bitLength": 22
      },
      "plmnId": {
        "mcc": "111",
        "mnc": "11"
      },
      "tngfId": "",
      "wagfId": "",
      "n3IwfId": "",
      "ngeNbId": ""
    },
    "eLocationTimestamp": "2013-09-29T18:46:19Z",
    "geodeticInformation": "",
    "geographicalInformation": "",
    "ageOfLocationInformation": 0
  },
  "eutraLocation": {

```

```

    "tai": {
      "nid": "",
      "tac": "",
      "plmnId": {
        "mcc": "161",
        "mnc": "23"
      }
    },
    "ecgi": {
      "nid": "",
      "plmnId": {
        "mcc": "222",
        "mnc": "22"
      },
      "eutraCellId": ""
    },
    "ignoreTai": false,
    "ignoreEcgi": false,
    "globalENbId": {
      "nid": "",
      "eNbId": "",
      "gNbId": {
        "gNBValue": "",
        "bitLength": 22
      },
      "plmnId": {
        "mcc": "111",
        "mnc": "11"
      },
      "tngfId": "",
      "wagfId": "",
      "n3IwfId": "",
      "ngeNbId": ""
    },
    "globalNgenbId": {
      "plmnId": {
        "mcc": "111",
        "mnc": "11"
      },
      "n3IwfId": "0"
    },
    "geodeticInformation": "12345678912345678989",
    "ueLocationTimestamp": "2013-09-29T18:46:19Z",
    "geographicalInformation": "1234567891234563",
    "ageOfLocationInformation": 0
  },
  "suppFeat": "",
  "timeZone": "",
  "regStates": [
    {
      "rmState": "",
      "accessType": ""
    }
  ],
  "accessType": "3GPP_ACCESS",

```

```

"connStates": [
  {
    "cmState": "",
    "accessType": ""
  }
],
"locationTs": "2013-09-29T18:46:19Z",
"ratTypesTs": "2013-09-29T18:46:19Z",
"timeZoneTs": "2013-09-29T18:46:19Z",
"currentPlmn": {
  "mcc": "111",
  "mnc": "12"
},
"regStatesTs": "2013-09-29T18:46:19Z",
"connStatesTs": "2013-09-29T18:46:19Z",
"n3gaLocation": {
  "gci": "",
  "gli": "asss",
  "tnapId": {
    "ssId": "",
    "bssId": "",
    "civicAddress": ""
  },
  "twapId": {
    "ssId": "",
    "bssId": "",
    "civicAddress": ""
  },
  "n3IwfId": "a",
  "n3gppTai": {
    "nid": "",
    "tac": "",
    "plmnId": {
      "mcc": "111",
      "mnc": "11"
    }
  },
  "hfcNodeId": {
    "hfcNid": ""
  },
  "portNumber": 0,
  "ueIpv4Addr": "198.51.100.1",
  "ueIpv6Addr": "2001:db8:85a3::8a2e:370:7334",
  "w5gbanLineType": "DSL"
},
"currentPlmnTs": "2013-09-29T18:46:19Z",
"roamingStatus": true,
"roamingStatusTs": "2013-09-29T18:46:19Z",
"smsOverNasStatus": "",
"reachabilityStatus": "",
"smsOverNasStatusTs": "2013-09-29T18:46:19Z",
"reachabilityStatusTs": "2013-09-29T18:46:19Z"
}

```

6.10.3 GET - PDUSessionManagementData

```
{
  "dnn": "Label3",
  "dnai": "",
  "dnaiTs": "",
  "ipAddrTs": "2013-09-29T18:46:19Z",
  "ipv4Addr": "198.51.100.1",
  "suppFeat": "",
  "ipv6Addrs": "2001:db8:85a3::8a2e:370:7334",
  "ipv6Prefix": "2001:db8:abcd:12::0/64",
  "pduSessType": "IPv4",
  "pduSessionId": 0,
  "pduSessionStatus": "ACTIVE",
  "pduSessionStatusTs": "2013-09-29T18:46:19Z",
  "n6TrafficRoutingInfo": [
    {
      "dnai": "sss",
      "routeInfo": {
        "ipv4Addr": "",
        "ipv6Addr": "",
        "portNumber": 0
      },
      "routeProfId": ""
    }
  ],
  "n6TrafficRoutingInfoTs": "2013-09-29T18:46:19Z"
}
```

6.10.4 PUT - PDU Session Management Data

```
{
  "dnn": "Label3",
  "dnai": "",
  "dnaiTs": "",
  "ipAddrTs": "2013-09-29T18:46:19Z",
  "ipv4Addr": "198.51.100.1",
  "suppFeat": "",
  "ipv6Addrs": "2001:db8:85a3::8a2e:370:7334",
  "ipv6Prefix": "2001:db8:abcd:12::0/64",
  "pduSessType": "IPv4",
  "pduSessionId": 0,
  "pduSessionStatus": "ACTIVE",
  "pduSessionStatusTs": "2013-09-29T18:46:19Z",
  "n6TrafficRoutingInfo": [
    {
      "dnai": "sss",
      "routeInfo": {
        "ipv4Addr": "",
        "ipv6Addr": "",
        "portNumber": 0
      },
      "routeProfId": ""
    }
  ]
}
```

```

    }
  ],
  "n6TrafficRoutingInfoTs": "2013-09-29T18:46:19Z"
}

```

6.10.5 POST - ExposureDataSubscription

```

{
  "notificationUri" : "http://http2-server-service-python36-
migration-17.default.svc.cluster.local:8080/notifications",
  "monitoredResourceUris" : [
    "http://localhost:8081/nudr-dr/v2/subscription-data/
extid-868690909214@ext/context-data/amf-3gpp-access"
  ],
  "expiry" : "2050-12-19T10:25:14.090Z",
  "supportedFeatures" : "f"
}

```

6.10.6 PUT - ExposureDataSubscription

```

{
  "notificationUri" : "http://http2-server-service-python36-
migration-17.default.svc.cluster.local:8080/notifications",
  "monitoredResourceUris" : [
    "http://localhost:8081/nudr-dr/v2/subscription-data/
extid-868690909214@ext/context-data/amf-3gpp-access"
  ],
  "expiry" : "2050-12-19T10:25:14.090Z",
  "supportedFeatures" : "fa"
}

```

6.11 Payload Reference for EIR

This section provides payload details for EIR.

6.11.1 GET-equipment-status

Sample Request: `http://10.75.229.117:31040/n5g-eir-eic/v1/equipment-status?pei=imei-1111111111&supi=imsi-1111111112&gpsi=msisdn-1111111121`
or `http://10.75.229.117:31040/n5g-eir-eic/v1/equipment-status?pei=imei-1111111111&supi=imsi-1111111112&gpsi=msisdn-1111111121`

```

{
  "status": "WHITELISTED"
}

```

6.12 Payload Reference for SLF

This section provides payload details for SLF.

6.12.1 GET-Subscriber ID

```
{ "nfGroupIDs": { "UDM": "udm-group-name" } }
```

```
{ "nfGroupIDs": { "AUSF": "ausf-group-name", "NEF": "nef-group-name", "UDM":  
"udm-group-name", "CHF": "CHFGROUP1" } }
```

A

Open API Spec for nudr-mgm

See the following OpenAPIMGM.yml file for configuration details on open API specification for nudr-mgm:

```
{
  "openapi": "3.0.0",
  "info": {
    "version": "25.2.200.0.0",
    "title": "Unified Data Repository Service API file for Mgm Interface"
  },
  "tags": [
    {
      "name": "Management URI",
      "description": "The API version is defined as per management requirement of UDR"
    }
  ],
  "paths": {
    "/nudr-dr-mgm/v1/policy-data/schema/am-data": {
      "put": {
        "tags": [
          "Management URI"
        ],
        "summary": "Input a new schema and set that schema as the current schema which should be used\n",
        "operationId": "putSchemaForAmData",
        "requestBody": {
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/PolicyDataConfig"
              }
            }
          }
        },
        "description": "Adding new field \"custom\" for am-data schema.",
        "required": true
      },
      "responses": {
        "201": {
          "description": "CREATED"
        },
        "400": {
          "description": "Bad Request",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      }
    }
  }
}
```

```

    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "405": {
    "description": "Operation not allowed",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"get": {
  "parameters": [
    {
      "in": "query",
      "name": "version",
      "schema": {
        "type": "string"
      }
    }
  ],
  "tags": [
    "Management URI"
  ],
  "summary": "Retrieves the schema based on parameters specified for
version. If, \n \"all\" is specified as string , then all the versions of
schema will\n be fetched. If version like \"v1\" is specified , then v1
version of\n schema will be fetched. If nothing is specified ,then current
version\n of schema will be retrieved.\n",
  "operationId": "getSchemaForAllVersions",
  "responses": {
    "200": {

```



```

        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "type": "object"
            }
          }
        }
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/nudr-dr-mgm/v1/policy-data/schema/am-data/version/{versionNumber}": {
    "put": {
      "parameters": [
        {
          "in": "path",
          "name": "versionNumber",
          "schema": {
            "type": "string"
          },
          "required": true
        }
      ],
      "tags": [

```

```

        "Management URI"
    ],
    "summary": "Rollback to other schema version which already exist in
db",
    "operationId": "rollBackSchemaForAmdata",
    "responses": {
        "201": {
            "description": "CREATED"
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "405": {
            "description": "Operation not allowed",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    },
    "deprecated": false
},
"delete": {
    "parameters": [
        {
            "in": "path",

```

```

        "name": "versionNumber",
        "schema": {
            "type": "string"
        },
        "required": true
    },
    "tags": [
        "Management URI"
    ],
    "summary": "To delete any stored schema other than the schema which
is currently in use.\n",
    "operationId": "deleteSchemaForAmdata",
    "responses": {
        "204": {
            "description": "NO CONTENT"
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "405": {
            "description": "Operation not allowed",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    }
}

```

```

    }
  },
  "deprecated": false
}
},
"/nudr-dr-mgm/v1/policy-data/schema/sm-data": {
  "put": {
    "tags": [
      "Management URI"
    ],
    "summary": "Input a new schema and set that schema as the current
schema which should be used\n",
    "operationId": "putSchemaForSmdata",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/SmDataSchema"
          }
        }
      }
    },
    "description": "Adding new field \"custom\" for sm-data schema.",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  }
}

```

```

    }
  },
  "405": {
    "description": "Operation not allowed",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"get": {
  "parameters": [
    {
      "in": "query",
      "name": "version",
      "schema": {
        "type": "string"
      }
    }
  ],
  "tags": [
    "Management URI"
  ],
  "summary": "Retrieves the schema based on parameters specified for
version. If, \"all\" is specified as string , then all the versions of schema
will be fetched. If version like \"v1\" is specified , then v1 version of
schema will be fetched. If nothing is specified , then current version of
schema will be retrieved.\n",
  "operationId": "getSchemaForAllVersionsSmData",
  "responses": {
    "200": {
      "description": "OK",
      "content": {
        "application/json": {
          "schema": {
            "type": "object"
          }
        }
      }
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {

```

```

        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/nudr-dr-mgm/v1/policy-data/schema/sm-data/version/{versionNumber}": {
    "put": {
      "parameters": [
        {
          "in": "path",
          "name": "versionNumber",
          "schema": {
            "type": "string"
          },
          "required": true
        }
      ],
      "tags": [
        "Management URI"
      ],
      "summary": "Rollback to other schema version which already exist in
db",
      "operationId": "rollBackSchemaForSmdata",
      "responses": {
        "201": {
          "description": "CREATED"
        },
        "400": {
          "description": "Bad Request",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "404": {

```

```

        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "*/*": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "405": {
          "description": "Operation not allowed",
          "content": {
            "*/*": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "delete": {
      "parameters": [
        {
          "in": "path",
          "name": "versionNumber",
          "schema": {
            "type": "string"
          },
          "required": true
        }
      ],
      "tags": [
        "Management URI"
      ],
      "summary": "To delete any stored schema other than the schema which
is currently in use.\n",
      "operationId": "deleteSchemaForSmdata",
      "responses": {
        "204": {
          "description": "NO CONTENT"
        },
        "400": {
          "description": "Bad Request",
          "content": {

```

```

        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "405": {
        "description": "Operation not allowed",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/nudr-dr-mgm/v1/policy-data/schema/ue-policy-set": {
    "put": {
      "tags": [
        "Management URI"
      ],
      "summary": "Input a new schema and set that schema as the current
schema which should be used\n",
      "operationId": "putSchemaForUePolicySet",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/UePolicySetSchema"
            }
          }
        }
      }
    }
  }
}

```



```

        },
        "description": "Adding new field \"custom\" for ue-policy-set
schema.",
        "required": true
    },
    "responses": {
        "201": {
            "description": "CREATED"
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "405": {
            "description": "Operation not allowed",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    },
    "deprecated": false
},
"get": {
    "parameters": [
        {
            "in": "query",

```

```

        "name": "version",
        "schema": {
            "type": "string"
        }
    },
    "tags": [
        "Management URI"
    ],
    "summary": "Retrieves the schema based on parameters specified for
version. If, \"all\" is specified as string , then all the versions of schema
will be fetched. If version like \"v1\" is specified , then v1 version of
schema will be fetched. If nothing is specified , then current version of
schema will be retrieved.\n",
    "operationId": "getSchemaForAllVersionsUePolicySet",
    "responses": {
        "200": {
            "description": "OK",
            "content": {
                "application/json": {
                    "schema": {
                        "type": "object"
                    }
                }
            }
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    }
}

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        },
        "deprecated": false
    }
},
"/nudr-dr-mgm/v1/policy-data/schema/ue-policy-set/version/{versionNumber}": {
    "put": {
        "parameters": [
            {
                "in": "path",
                "name": "versionNumber",
                "schema": {
                    "type": "string"
                },
                "required": true
            }
        ],
        "tags": [
            "Management URI"
        ],
        "summary": "Rollback to other schema version which already exist in
db",
        "operationId": "rollBackSchemaForUePolicySet",
        "responses": {
            "201": {
                "description": "CREATED"
            },
            "400": {
                "description": "Bad Request",
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            },
            "404": {
                "description": "Not Found",
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            },
            "500": {
                "description": "Internal Server Error",
                "content": {
                    "*/*": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            }
        }
    }
}

```

```

    },
    "405": {
      "description": "Operation not allowed",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "deprecated": false
  },
  "delete": {
    "parameters": [
      {
        "in": "path",
        "name": "versionNumber",
        "schema": {
          "type": "string"
        },
        "required": true
      }
    ],
    "tags": [
      "Management URI"
    ],
    "summary": "To delete any stored schema other than the schema which
is currently in use.\n",
    "operationId": "deleteSchemaForUePolicySet",
    "responses": {
      "204": {
        "description": "NO CONTENT"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {

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        "description": "Internal Server Error",
        "content": {
            "**/*": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        },
        "405": {
            "description": "Operation not allowed",
            "content": {
                "**/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "deprecated": false
    },
    "/nudr-dr-mgm/v1/profile-data/schema": {
        "put": {
            "tags": [
                "Management URI"
            ],
            "summary": "Input a new schema and set that schema as the current
schema which should be used\n",
            "operationId": "putSchemaForProfileData",
            "requestBody": {
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProfileDataSchema"
                        }
                    }
                }
            },
            "description": "Adding new field \"custom\" for profile-data
schema.",
            "required": true
        },
        "responses": {
            "201": {
                "description": "CREATED"
            },
            "400": {
                "description": "Bad Request",
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            }
        }
    }
}

```

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    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "405": {
      "description": "Operation not allowed",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "deprecated": false
  },
  "get": {
    "parameters": [
      {
        "in": "query",
        "name": "version",
        "schema": {
          "type": "string"
        }
      }
    ],
    "tags": [
      "Management URI"
    ],
    "summary": "Retrieves the schema based on parameters specified for
version. If, \"all\" is specified as string , then all the versions of schema
will be fetched. If version like \"v1\" is specified , then v1 version of
schema will be fetched. If nothing is specified , then current version of
schema will be retrieved.\n",
    "operationId": "getSchemaForAllVersionsProfileData",
    "responses": {
      "200": {
        "description": "OK",

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        "content": {
          "application/json": {
            "schema": {
              "type": "object"
            }
          }
        },
        "400": {
          "description": "Bad Request",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "*/*": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "deprecated": false
      },
      "/nudr-dr-mgm/v1/profile-data/schema/version/{versionNumber}": {
        "put": {
          "parameters": [
            {
              "in": "path",
              "name": "versionNumber",
              "schema": {
                "type": "string"
              },
              "required": true
            }
          ],
          "tags": [
            "Management URI"
          ]
        }
      }
    ]
  }

```

```

    ],
    "summary": "Rollback to other schema version which already exist in
db",
    "operationId": "rollBackSchemaForProfileData",
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "405": {
        "description": "Operation not allowed",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "delete": {
    "parameters": [
      {
        "in": "path",
        "name": "versionNumber",

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```

        "schema": {
            "type": "string"
        },
        "required": true
    }
],
"tags": [
    "Management URI"
],
"summary": "To delete any stored schema other than the schema which
is currently in use.\n",
"operationId": "deleteSchemaForProfileData",
"responses": {
    "204": {
        "description": "NO CONTENT"
    },
    "400": {
        "description": "Bad Request",
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "404": {
        "description": "Not Found",
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "500": {
        "description": "Internal Server Error",
        "content": {
            "*/*": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "405": {
        "description": "Operation not allowed",
        "content": {
            "*/*": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    }
}
}

```

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    },
    "deprecated": false
  }
},
"/nudr-dr-mgm/v1/policy-data/schema/sm-data/vsa": {
  "put": {
    "tags": [
      "Management URI"
    ],
    "summary": "Input a new schema and set that schema as the current
schema which should be used\n",
    "operationId": "putSchemaForSMDDataVSA",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "type": "object"
          }
        }
      }
    },
    "description": "Adding new field \"custom\" for sm-data vsa
schema.",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  }
}

```

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    }
  },
  "405": {
    "description": "Operation not allowed",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"get": {
  "parameters": [
    {
      "in": "query",
      "name": "version",
      "schema": {
        "type": "string"
      }
    }
  ],
  "tags": [
    "Management URI"
  ],
  "summary": "Retrieves the schema based on parameters specified for
version. If, \"all\" is specified as string , then all the versions of schema
will be fetched. If version like \"v1\" is specified , then v1 version of
schema will be fetched. If nothing is specified , then current version of
schema will be retrieved.\n",
  "operationId": "getSchemaForAllVersionSmDataVSA",
  "responses": {
    "200": {
      "description": "OK",
      "content": {
        "application/json": {
          "schema": {
            "type": "object"
          }
        }
      }
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {

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        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "*/*": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "deprecated": false
      },
      "/nudr-dr-mgm/v1/policy-data/schema/sm-data/vsa/version/{versionNumber}":
    {
      "put": {
        "parameters": [
          {
            "in": "path",
            "name": "versionNumber",
            "schema": {
              "type": "string"
            },
            "required": true
          }
        ],
        "tags": [
          "Management URI"
        ],
        "summary": "Rollback to other schema version which already exist in
db",
        "operationId": "rollBackSchemaForSmdataVsa",
        "responses": {
          "201": {
            "description": "CREATED"
          },
          "400": {
            "description": "Bad Request",
            "content": {
              "application/json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          }
        }
      },
    },
  },

```

```

    "404": {
      "description": "Not Found",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "405": {
      "description": "Operation not allowed",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"delete": {
  "parameters": [
    {
      "in": "path",
      "name": "versionNumber",
      "schema": {
        "type": "string"
      },
      "required": true
    }
  ],
  "tags": [
    "Management URI"
  ],
  "summary": "To delete any stored schema other than the schema which
is currently in use.\n",
  "operationId": "deleteSchemaForSmDataVsa",
  "responses": {
    "204": {
      "description": "NO CONTENT"
    },
    "400": {
      "description": "Bad Request",

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        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "*/*": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "405": {
          "description": "Operation not allowed",
          "content": {
            "*/*": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "/nudr-dr-mgm/v1/slf-group/schema/slf-group-prov": {
      "put": {
        "tags": [
          "Management URI"
        ],
        "summary": "Input a new schema and set that schema as the current
schema which should be used\n",
        "operationId": "putSchemaForSLFGroup",
        "requestBody": {
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/SlfGroupProvSchema"
              }
            }
          }
        }
      }
    }
  }
}

```

```

    }
  },
  "description": "Adding new field \"custom\" for SLF-Group schema.",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "405": {
    "description": "Operation not allowed",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
},
"deprecated": false
},
"get": {
  "parameters": [
    {
      "in": "query",

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        "name": "version",
        "schema": {
            "type": "string"
        }
    },
    "tags": [
        "Management URI"
    ],
    "summary": "Retrieves the schema based on parameters specified for
version. If, \"all\" is specified as string , then all the versions of schema
will be fetched. If version like \"v1\" is specified , then v1 version of
schema will be fetched. If nothing is specified , then current version of
schema will be retrieved.\n",
    "operationId": "getSchemaForAllVersionSLFGroup",
    "responses": {
        "200": {
            "description": "OK",
            "content": {
                "application/json": {
                    "schema": {
                        "type": "object"
                    }
                }
            }
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    }
}

```



```

        },
        "deprecated": false
    }
},
"/nudr-dr-mgm/v1/slf-group/schema/slf-group-prov/version/{versionNumber}": {
    "put": {
        "parameters": [
            {
                "in": "path",
                "name": "versionNumber",
                "schema": {
                    "type": "string"
                },
                "required": true
            }
        ],
        "tags": [
            "Management URI"
        ],
        "summary": "Rollback to other schema version which already exist in
db",
        "operationId": "rollBackSchemaForSLFGroup",
        "responses": {
            "201": {
                "description": "CREATED"
            },
            "400": {
                "description": "Bad Request",
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            },
            "404": {
                "description": "Not Found",
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            },
            "500": {
                "description": "Internal Server Error",
                "content": {
                    "*/*": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            }
        }
    }
}

```

```

    },
    "405": {
      "description": "Operation not allowed",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "deprecated": false
  },
  "delete": {
    "parameters": [
      {
        "in": "path",
        "name": "versionNumber",
        "schema": {
          "type": "string"
        },
        "required": true
      }
    ],
    "tags": [
      "Management URI"
    ],
    "summary": "To delete any stored schema other than the schema which
is currently in use.\n",
    "operationId": "deleteSchemaForSLFGroup",
    "responses": {
      "204": {
        "description": "NO CONTENT"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {

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```

        "description": "Internal Server Error",
        "content": {
            "**/*": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        },
        "405": {
            "description": "Operation not allowed",
            "content": {
                "**/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "deprecated": false
    },
    "/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/am-data": {
        "put": {
            "tags": [
                "Management URI"
            ],
            "summary": "Input a new schema and set that schema as the current
schema which should be used\n",
            "operationId": "putSchemaForProvisionedAm-Data",
            "requestBody": {
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProvisionedData"
                        }
                    }
                }
            },
            "description": "Adding new field \"custom\" for UDM provisioned-
data/am-data schema.\n",
            "required": true
        },
        "responses": {
            "201": {
                "description": "CREATED"
            },
            "400": {
                "description": "Bad Request",
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            }
        }
    }
}

```

```

    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "405": {
      "description": "Operation not allowed",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"get": {
  "parameters": [
    {
      "in": "query",
      "name": "version",
      "schema": {
        "type": "string"
      }
    }
  ],
  "tags": [
    "Management URI"
  ],
  "summary": "Retrieves the schema based on parameters specified for
version. If, \"all\" is specified as string , then all the versions of schema
will be fetched. If version like \"v1\" is specified , then v1 version of
schema will be fetched. If nothing is specified , then current version of
schema will be retrieved.\n",
  "operationId": "getSchemaForAllVersionProvisionedAmData",
  "responses": {
    "200": {
      "description": "OK",

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```

        "content": {
          "application/json": {
            "schema": {
              "type": "object"
            }
          }
        },
        "400": {
          "description": "Bad Request",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "*/*": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "deprecated": false
      },
      "/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/am-data/
version/{versionNumber}": {
        "put": {
          "parameters": [
            {
              "in": "path",
              "name": "versionNumber",
              "schema": {
                "type": "string"
              },
              "required": true
            }
          ],
          "tags": [

```

```

        "Management URI"
    ],
    "summary": "Rollback to other schema version which already exist in
db",
    "operationId": "rollBackSchemaForProvisionedAmData",
    "responses": {
        "201": {
            "description": "CREATED"
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "405": {
            "description": "Operation not allowed",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    },
    "deprecated": false
},
"delete": {
    "parameters": [
        {
            "in": "path",

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        "name": "versionNumber",
        "schema": {
            "type": "string"
        },
        "required": true
    },
    "tags": [
        "Management URI"
    ],
    "summary": "To delete any stored schema other than the schema which
is currently in use.\n",
    "operationId": "deleteSchemaForProvisionedAmdata",
    "responses": {
        "204": {
            "description": "NO CONTENT"
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "405": {
            "description": "Operation not allowed",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    }
}

```

```

    }
  },
  "deprecated": false
},
"/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sm-data": {
  "put": {
    "tags": [
      "Management URI"
    ],
    "summary": "Input a new schema and set that schema as the current
schema which should be used\n",
    "operationId": "putSchemaForProvisionedSmData",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProvisionedSmsData"
          }
        }
      }
    },
    "description": "Adding new field \"custom\" for UDM provisioned-
data/sm-data schema.\n",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  }
}

```



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    }
  },
  "405": {
    "description": "Operation not allowed",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"get": {
  "parameters": [
    {
      "in": "query",
      "name": "version",
      "schema": {
        "type": "string"
      }
    }
  ],
  "tags": [
    "Management URI"
  ],
  "summary": "Retrieves the schema based on parameters specified for
version. If, \"all\" is specified as string , then all the versions of schema
will be fetched. If version like \"v1\" is specified , then v1 version of
schema will be fetched. If nothing is specified , then current version of
schema will be retrieved.\n",
  "operationId": "getSchemaForAllVersionProvisionedSmData",
  "responses": {
    "200": {
      "description": "OK",
      "content": {
        "application/json": {
          "schema": {
            "type": "object"
          }
        }
      }
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  }
},

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        "404": {
            "description": "Not Found",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    },
    "deprecated": false
},
"/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sm-data/
version/{versionNumber}": {
    "put": {
        "parameters": [
            {
                "in": "path",
                "name": "versionNumber",
                "schema": {
                    "type": "string"
                },
                "required": true
            }
        ],
        "tags": [
            "Management URI"
        ],
        "summary": "Rollback to other schema version which already exist in
db",
        "operationId": "rollBackSchemaForProvisionedSmData",
        "responses": {
            "201": {
                "description": "CREATED"
            },
            "400": {
                "description": "Bad Request",
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            }
        }
    }
}

```

```

    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "405": {
      "description": "Operation not allowed",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "deprecated": false
  },
  "delete": {
    "parameters": [
      {
        "in": "path",
        "name": "versionNumber",
        "schema": {
          "type": "string"
        },
        "required": true
      }
    ],
    "tags": [
      "Management URI"
    ],
    "summary": "To delete any stored schema other than the schema which
is currently in use.\n",
    "operationId": "deleteSchemaForProvisionedSmdata",
    "responses": {
      "204": {
        "description": "NO CONTENT"
      },
      "400": {

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        "description": "Bad Request",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "405": {
        "description": "Operation not allowed",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/smf-selection-
subscription-data": {
    "put": {
      "tags": [
        "Management URI"
      ],
      "summary": "Input a new schema and set that schema as the current
schema which should be used\n",
      "operationId": "putSchemaForProvisionedSmfSelectionSubscriptionData",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {

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        "$ref": "#/components/schemas/SmfSelectionSubscriptionData"
    }
}
},
"description": "Adding new field \"custom\" for UDM provisioned-
data/smf-selection-subscription-data.\n",
"required": true
},
"responses": {
    "201": {
        "description": "CREATED"
    },
    "400": {
        "description": "Bad Request",
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "404": {
        "description": "Not Found",
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "500": {
        "description": "Internal Server Error",
        "content": {
            "*/*": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "405": {
        "description": "Operation not allowed",
        "content": {
            "*/*": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    }
},
"deprecated": false
},
"get": {

```

```

    "parameters": [
      {
        "in": "query",
        "name": "version",
        "schema": {
          "type": "string"
        }
      }
    ],
    "tags": [
      "Management URI"
    ],
    "summary": "Retrieves the schema based on parameters specified for
version. If, \"all\" is specified as string , then all the versions of schema
will be fetched. If version like \"v1\" is specified , then v1 version of
schema will be fetched. If nothing is specified , then current version of
schema will be retrieved.\n",
    "operationId":
    "getSchemaForAllVersionProvisionedSmfSelectionSubscriptionData",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "type": "object"
            }
          }
        }
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  }

```

```

        }
      }
    }
  },
  "deprecated": false
}
},
"/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/smf-selection-
subscription-data/version/{versionNumber}": {
  "put": {
    "parameters": [
      {
        "in": "path",
        "name": "versionNumber",
        "schema": {
          "type": "string"
        },
        "required": true
      }
    ],
    "tags": [
      "Management URI"
    ],
    "summary": "Rollback to other schema version which already exist in
db",
    "operationId":
"rollBackSchemaForProvisionedSmfSelectionSubscriptionData",
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "*/*": {

```

```

        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    },
    "405": {
      "description": "Operation not allowed",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"delete": {
  "parameters": [
    {
      "in": "path",
      "name": "versionNumber",
      "schema": {
        "type": "string"
      },
      "required": true
    }
  ],
  "tags": [
    "Management URI"
  ],
  "summary": "To delete any stored schema other than the schema which
is currently in use.\n",
  "operationId":
"deleteSchemaForProvisionedSmfSelectionSubscriptionData",
  "responses": {
    "204": {
      "description": "NO CONTENT"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/json": {
          "schema": {

```



```

        "$ref": "#/components/schemas/ProblemDetails"
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "405": {
    "description": "Operation not allowed",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sms-mng-data":
{
  "put": {
    "tags": [
      "Management URI"
    ],
    "summary": "Input a new schema and set that schema as the current
schema which should be used\n",
    "operationId": "putSchemaForProvisionedSmfMngData",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProvisionedSmsMngData"
          }
        }
      }
    },
    "description": "Adding new field \"custom\" for UDM provisioned-
data/sms-mng-data.\n",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",

```

```

        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "*/*": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "405": {
          "description": "Operation not allowed",
          "content": {
            "*/*": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "get": {
      "parameters": [
        {
          "in": "query",
          "name": "version",
          "schema": {
            "type": "string"
          }
        }
      ]
    },
    "tags": [
      "Management URI"
    ],
    "summary": "Retrieves the schema based on parameters specified for
version. If, \"all\" is specified as string , then all the versions of schema

```

will be fetched. If version like \"v1\" is specified , then v1 version of schema will be fetched. If nothing is specified , then current version of schema will be retrieved.\n",

```

    "operationId": "getSchemaForAllVersionProvisionedSmfMngData",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "type": "object"
            }
          }
        }
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sms-mng-data/version/{versionNumber}": {
    "put": {
      "parameters": [
        {
          "in": "path",
          "name": "versionNumber",

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```

        "schema": {
            "type": "string"
        },
        "required": true
    }
],
"tags": [
    "Management URI"
],
"summary": "Rollback to other schema version which already exist in
db",
"operationId": "rollBackSchemaForProvisionedSmfMngData",
"responses": {
    "201": {
        "description": "CREATED"
    },
    "400": {
        "description": "Bad Request",
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "404": {
        "description": "Not Found",
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "500": {
        "description": "Internal Server Error",
        "content": {
            "*/*": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "405": {
        "description": "Operation not allowed",
        "content": {
            "*/*": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    }
}
}

```

```

    },
    "deprecated": false
  },
  "delete": {
    "parameters": [
      {
        "in": "path",
        "name": "versionNumber",
        "schema": {
          "type": "string"
        },
        "required": true
      }
    ],
    "tags": [
      "Management URI"
    ],
    "summary": "To delete any stored schema other than the schema which
is currently in use.\n",
    "operationId": "deleteSchemaForProvisionedSmfMngData",
    "responses": {
      "204": {
        "description": "NO CONTENT"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "405": {
        "description": "Operation not allowed",

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        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "deprecated": false
    }
  },
  "/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/trace-data": {
    "put": {
      "tags": [
        "Management URI"
      ],
      "summary": "Input a new schema and set that schema as the current
schema which should be used\n",
      "operationId": "putSchemaForProvisionedTraceData",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProvisionedTraceData"
            }
          }
        }
      },
      "description": "Adding new field \"custom\" for UDM provisioned-
data/trace-data.\n",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  },
},

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```

    "500": {
      "description": "Internal Server Error",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "405": {
      "description": "Operation not allowed",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"get": {
  "parameters": [
    {
      "in": "query",
      "name": "version",
      "schema": {
        "type": "string"
      }
    }
  ],
  "tags": [
    "Management URI"
  ],
  "summary": "Retrieves the schema based on parameters specified for
version. If, \"all\" is specified as string , then all the versions of schema
will be fetched. If version like \"v1\" is specified , then v1 version of
schema will be fetched. If nothing is specified , then current version of
schema will be retrieved.\n",
  "operationId": "getSchemaForAllVersionProvisionedTraceData",
  "responses": {
    "200": {
      "description": "OK",
      "content": {
        "application/json": {
          "schema": {
            "type": "object"
          }
        }
      }
    }
  },
  "400": {
    "description": "Bad Request",
    "content": {

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```

        "application/json": {
            "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
            }
        }
    },
    "404": {
        "description": "Not Found",
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "500": {
        "description": "Internal Server Error",
        "content": {
            "*/*": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "deprecated": false
},
"/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/trace-data/
version/{versionNumber}": {
    "put": {
        "parameters": [
            {
                "in": "path",
                "name": "versionNumber",
                "schema": {
                    "type": "string"
                },
                "required": true
            }
        ],
        "tags": [
            "Management URI"
        ],
        "summary": "Rollback to other schema version which already exist in
db",
        "operationId": "rollBackSchemaForProvisionedTraceData",
        "responses": {
            "201": {
                "description": "CREATED"
            },
            "400": {
                "description": "Bad Request",

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        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "*/*": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "405": {
          "description": "Operation not allowed",
          "content": {
            "*/*": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "delete": {
      "parameters": [
        {
          "in": "path",
          "name": "versionNumber",
          "schema": {
            "type": "string"
          },
          "required": true
        }
      ],
      "tags": [
        "Management URI"
      ],
      "summary": "To delete any stored schema other than the schema which

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is currently in use.\n",
  "operationId": "deleteSchemaForProvisionedTraceData",
  "responses": {
    "204": {
      "description": "NO CONTENT"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "405": {
      "description": "Operation not allowed",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sms-data": {
  "put": {
    "tags": [
      "Management URI"
    ],
    "summary": "Input a new schema and set that schema as the current

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schema which should be used\n",
  "operationId": "putSchemaForProvisionedSmSData",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/ProvisionedSmsMngData"
        }
      }
    },
    "description": "Adding new field \"custom\" for UDM provisioned-
data/sms-data.\n",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "405": {
      "description": "Operation not allowed",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  }
}

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    }
  },
  "deprecated": false
},
"get": {
  "parameters": [
    {
      "in": "query",
      "name": "version",
      "schema": {
        "type": "string"
      }
    }
  ],
  "tags": [
    "Management URI"
  ],
  "summary": "Retrieves the schema based on parameters specified for
version. If, \"all\" is specified as string , then all the versions of schema
will be fetched. If version like \"v1\" is specified , then v1 version of
schema will be fetched. If nothing is specified , then current version of
schema will be retrieved.\n",
  "operationId": "getSchemaForAllVersionProvisionedSmSData",
  "responses": {
    "200": {
      "description": "OK",
      "content": {
        "application/json": {
          "schema": {
            "type": "object"
          }
        }
      }
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {

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        "description": "Internal Server Error",
        "content": {
            "*/*": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "deprecated": false
},
"/nudr-dr-mgm/v1/equipment-status/schema/n5g-eir-prov": {
    "put": {
        "tags": [
            "Management URI"
        ],
        "summary": "Change EIR schema",
        "operationId": "putApiEir",
        "requestBody": {
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/EquipmentStatus"
                    }
                }
            }
        },
        "responses": {
            "201": {
                "description": "CREATED"
            },
            "400": {
                "description": "Bad Request",
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            },
            "404": {
                "description": "Not Found",
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            },
            "500": {
                "description": "Internal Server Error",
                "content": {

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        "*/": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      },
      "405": {
        "description": "Operation not allowed",
        "content": {
          "*/": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "get": {
    "parameters": [
      {
        "in": "query",
        "name": "versionNumber",
        "schema": {
          "type": "string"
        },
        "required": true
      }
    ],
    "tags": [
      "Management URI"
    ],
    "summary": "Retrieves the schema based on parameters specified for
version. If, \"all\" is specified as string , then all the versions of schema
will be fetched. If version like \"v1\" is specified , then v1 version of
schema will be fetched. If nothing is specified , then current version of
schema will be retrieved.\n",
    "operationId": "getApiEir",
    "responses": {
      "200": {
        "description": "OK"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "404": {
      "description": "Not Found",

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        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "*/*": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "405": {
          "description": "Operation not allowed",
          "content": {
            "*/*": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "/nudr-dr-mgm/v1/equipment-status/schema/n5g-eir-prov/version/{versionNumber}": {
      "delete": {
        "parameters": [
          {
            "in": "path",
            "name": "versionNumber",
            "schema": {
              "type": "string"
            },
            "required": true
          }
        ],
        "tags": [
          "Management URI"
        ],
        "summary": "To delete any stored schema other than the schema which is currently in use.\n",
        "operationId": "deleteSchemaForEIR",
        "responses": {
          "204": {
            "description": "NO CONTENT"
          },
          "400": {

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        "description": "Bad Request",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "405": {
        "description": "Operation not allowed",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/nudr-dr-mgm/v1/subscription-data/schema/provisioned-data/sms-data/
version/{versionNumber}": {
    "put": {
      "parameters": [
        {
          "in": "path",
          "name": "versionNumber",
          "schema": {
            "type": "string"
          },
          "required": true
        }
      ]
    }
  },
],

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        "tags": [
            "Management URI"
        ],
        "summary": "Rollback to other schema version which already exist in
db",
        "operationId": "rollBackSchemaForProvisionedSmSData",
        "responses": {
            "201": {
                "description": "CREATED"
            },
            "400": {
                "description": "Bad Request",
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            },
            "404": {
                "description": "Not Found",
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            },
            "500": {
                "description": "Internal Server Error",
                "content": {
                    "*/*": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            },
            "405": {
                "description": "Operation not allowed",
                "content": {
                    "*/*": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            }
        },
        "deprecated": false
    },
    "delete": {
        "parameters": [
            {

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        "in": "path",
        "name": "versionNumber",
        "schema": {
            "type": "string"
        },
        "required": true
    },
    ],
    "tags": [
        "Management URI"
    ],
    "summary": "To delete any stored schema other than the schema which
is currently in use.\n",
    "operationId": "deleteSchemaForProvisionedSmSData",
    "responses": {
        "204": {
            "description": "NO CONTENT"
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "405": {
            "description": "Operation not allowed",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    }
}

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        }
      },
      "deprecated": false
    }
  },
  "/nudr-dr-mgm/v1/exposure-data/schema/access-and-mobility-data": {
    "put": {
      "tags": [
        "Management URI"
      ],
      "summary": "Input a new schema and set that schema as the current
schema which should be used\n",
      "operationId": "putSchemaForNEFAMdata",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/AccessAndMobilityData"
            }
          }
        },
        "description": "Adding new field \"custom\" for am-data schema.",
        "required": true
      },
      "responses": {
        "201": {
          "description": "CREATED"
        },
        "400": {
          "description": "Bad Request",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "*/*": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      }
    }
  }
}

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    }
  },
  "405": {
    "description": "Operation not allowed",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"get": {
  "parameters": [
    {
      "in": "query",
      "name": "version",
      "schema": {
        "type": "string"
      }
    }
  ],
  "tags": [
    "Management URI"
  ],
  "summary": "Retrieves the schema based on parameters specified for
version. If, \"all\" is specified as string , then all the versions of schema
will be fetched. If version like \"v1\" is specified , then v1 version of
schema will be fetched. If nothing is specified , then current version of
schema will be retrieved.\n",
  "operationId": "getSchemaForNEFAllVersions",
  "responses": {
    "200": {
      "description": "OK",
      "content": {
        "application/json": {
          "schema": {
            "type": "object"
          }
        }
      }
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  }
},

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        "404": {
            "description": "Not Found",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    },
    "deprecated": false
},
"/nudr-dr-mgm/v1/exposure-data/schema/access-and-mobility-data/version/{versionNumber}": {
    "put": {
        "parameters": [
            {
                "in": "path",
                "name": "versionNumber",
                "schema": {
                    "type": "string"
                },
                "required": true
            }
        ],
        "tags": [
            "Management URI"
        ],
        "summary": "Rollback to other schema version which already exist in
db",
        "operationId": "rollBackSchemaForNEFAmdata",
        "responses": {
            "201": {
                "description": "CREATED"
            },
            "400": {
                "description": "Bad Request",
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            }
        }
    }
}

```

```

    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "405": {
      "description": "Operation not allowed",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "deprecated": false
  },
  "delete": {
    "parameters": [
      {
        "in": "path",
        "name": "versionNumber",
        "schema": {
          "type": "string"
        },
        "required": true
      }
    ],
    "tags": [
      "Management URI"
    ],
    "summary": "To delete any stored schema other than the schema which
is currently in use.\n",
    "operationId": "deleteSchemaForNEFAMdata",
    "responses": {
      "204": {
        "description": "NO CONTENT"
      },
      "400": {

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        "description": "Bad Request",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "405": {
        "description": "Operation not allowed",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/nudr-dr-mgm/v1/exposure-data/schema/session-management-data": {
    "put": {
      "tags": [
        "Management URI"
      ],
      "summary": "Input a new schema and set that schema as the current
schema which should be used\n",
      "operationId": "putSchemaForNEFSmdata",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ExposureSessionMgmData"
            }
          }
        }
      }
    }
  }
}

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    }
  },
  "description": "Adding new field \"custom\" for am-data schema.",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "405": {
    "description": "Operation not allowed",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
},
"deprecated": false
},
"get": {
  "parameters": [
    {

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        "in": "query",
        "name": "version",
        "schema": {
            "type": "string"
        }
    },
    "tags": [
        "Management URI"
    ],
    "summary": "Retrieves the schema based on parameters specified for
version. If, \"all\" is specified as string , then all the versions of schema
will be fetched. If version like \"v1\" is specified , then v1 version of
schema will be fetched. If nothing is specified , then current version of
schema will be retrieved.\n",
    "operationId": "getSchemaForNEFSmAllVersions",
    "responses": {
        "200": {
            "description": "OK",
            "content": {
                "application/json": {
                    "schema": {
                        "type": "object"
                    }
                }
            }
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "*/*": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    }
}

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    }
  },
  "deprecated": false
}
},
"/nudr-dr-mgm/v1/attribute-mapping/quota/{4g-attribute-name}": {
  "get": {
    "parameters": [
      {
        "in": "path",
        "name": "4g-attribute-name",
        "schema": {
          "type": "string"
        },
        "required": true
      }
    ],
    "tags": [
      "Management URI"
    ],
    "summary": "Retrieves an quota attribute for specified 4g-attribute-
name.",
    "operationId": "getSchemaForQuotaAttribute",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "type": "object"
            }
          }
        }
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",

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        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "deprecated": false
    },
    "put": {
      "parameters": [
        {
          "in": "path",
          "name": "4g-attribute-name",
          "schema": {
            "type": "string"
          },
          "required": true
        }
      ],
      "tags": [
        "Management URI"
      ],
      "summary": "Adding/Updating an quota attribute.",
      "operationId": "updateSchemaForQuotaAttribute",
      "responses": {
        "201": {
          "description": "CREATED"
        },
        "400": {
          "description": "Bad Request",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "*/*": {
              "schema": {

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```

        "$ref": "#/components/schemas/ProblemDetails"
      }
    }
  },
  "405": {
    "description": "Operation not allowed",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"delete": {
  "parameters": [
    {
      "in": "path",
      "name": "4g-attribute-name",
      "schema": {
        "type": "string"
      },
      "required": true
    }
  ],
  "tags": [
    "Management URI"
  ],
  "summary": "To delete an quota attribute for specified 4g-attribute-
name.",
  "operationId": "deleteSchemaForQuotaAttribute",
  "responses": {
    "204": {
      "description": "NO CONTENT"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  }
}

```

```

    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "405": {
    "description": "Operation not allowed",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"/nudr-dr-mgm/v1/attribute-mapping/dynamicquota/{4g-attribute-name}": {
  "get": {
    "parameters": [
      {
        "in": "path",
        "name": "4g-attribute-name",
        "schema": {
          "type": "string"
        },
        "required": true
      }
    ],
    "tags": [
      "Management URI"
    ],
    "summary": "Retrieves an Dynamic Quota Attribute for specified 4g-attribute-name.\n",
    "operationId": "getSchemaForDynamicQuotaAttribute",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "type": "object"
            }
          }
        }
      }
    }
  }
},

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    "400": {
      "description": "Bad Request",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"put": {
  "parameters": [
    {
      "in": "path",
      "name": "4g-attribute-name",
      "schema": {
        "type": "string"
      },
      "required": true
    }
  ],
  "tags": [
    "Management URI"
  ],
  "summary": "Adding/Updating an dynamic quota attribute.",
  "operationId": "updateSchemaForDynamicQuotaAttribute",
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {

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        "application/json": {
            "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
            }
        }
    },
    "404": {
        "description": "Not Found",
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "500": {
        "description": "Internal Server Error",
        "content": {
            "*/*": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "405": {
        "description": "Operation not allowed",
        "content": {
            "*/*": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    }
},
"deprecated": false
},
"delete": {
    "parameters": [
        {
            "in": "path",
            "name": "4g-attribute-name",
            "schema": {
                "type": "string"
            },
            "required": true
        }
    ],
    "tags": [
        "Management URI"
    ],
    "summary": "To delete an dynamic quota attribute for specified 4g-
attribute-name.\n",

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```

    "operationId": "deleteSchemaForDynamicQuotaAttribute",
    "responses": {
      "204": {
        "description": "NO CONTENT"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "405": {
        "description": "Operation not allowed",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/nudr-dr-mgm/v1/exposure-data/schema/session-management-data/version/{versionNumber}": {
    "put": {
      "parameters": [
        {
          "in": "path",
          "name": "versionNumber",

```



```

        "schema": {
            "type": "string"
        },
        "required": true
    }
],
"tags": [
    "Management URI"
],
"summary": "Rollback to other schema version which already exist in
db",
"operationId": "rollBackSchemaForNEFSmdata",
"responses": {
    "201": {
        "description": "CREATED"
    },
    "400": {
        "description": "Bad Request",
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "404": {
        "description": "Not Found",
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "500": {
        "description": "Internal Server Error",
        "content": {
            "*/*": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "405": {
        "description": "Operation not allowed",
        "content": {
            "*/*": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    }
}
}

```

```

    },
    "deprecated": false
  },
  "delete": {
    "parameters": [
      {
        "in": "path",
        "name": "versionNumber",
        "schema": {
          "type": "string"
        },
        "required": true
      }
    ],
    "tags": [
      "Management URI"
    ],
    "summary": "To delete any stored schema other than the schema which
is currently in use.\n",
    "operationId": "deleteSchemaForNEFSmdata",
    "responses": {
      "204": {
        "description": "NO CONTENT"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "405": {
        "description": "Operation not allowed",

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```

        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "deprecated": false
    }
  },
  "servers": [
    {
      "url": "://127.0.0.1:8080/"
    }
  ],
  "components": {
    "schemas": {
      "ProblemDetails": {
        "type": "object",
        "properties": {
          "cause": {
            "type": "string"
          },
          "detail": {
            "type": "string"
          },
          "invalidParams": {
            "type": "array",
            "items": {
              "$ref": "#/components/schemas/InvalidParam"
            }
          },
          "status": {
            "type": "integer",
            "format": "int32"
          },
          "title": {
            "type": "string"
          }
        }
      },
      "InvalidParam": {
        "type": "object",
        "properties": {
          "param": {
            "type": "string"
          },
          "reason": {
            "type": "string"
          }
        }
      }
    }
  }
},

```

```

"PolicyDataConfig": {
  "type": "object",
  "additionalProperties": false,
  "properties": {
    "subscCats": {
      "type": "array",
      "minItems": 1,
      "items": {
        "type": "string"
      }
    },
    "custom": {
      "type": "string"
    },
    "praInfos": {
      "type": "object",
      "additionalProperties": {
        "type": "object",
        "additionalProperties": false,
        "properties": {
          "ecgiList": {
            "type": "array",
            "minItems": 1,
            "items": {
              "type": "object",
              "additionalProperties": false,
              "required": [
                "plmnId",
                "eutraCellId"
              ],
              "properties": {
                "eutraCellId": {
                  "type": "string",
                  "pattern": "^[A-Fa-f0-9]{7}$"
                },
                "plmnId": {
                  "type": "object",
                  "additionalProperties": false,
                  "required": [
                    "mcc",
                    "mnc"
                  ],
                  "properties": {
                    "mnc": {
                      "type": "string",
                      "pattern": "^\\d{2,3}$"
                    },
                    "mcc": {
                      "type": "string",
                      "pattern": "^\\d{3}$"
                    }
                  }
                }
              }
            }
          }
        }
      }
    }
  }
},

```

```

"globalRanNodeIdList": {
  "type": "array",
  "minItems": 1,
  "items": {
    "type": "object",
    "additionalProperties": false,
    "required": [
      "plmnId"
    ],
    "properties": {
      "gNbId": {
        "type": "object",
        "additionalProperties": false,
        "required": [
          "bitLength",
          "gNbValue"
        ],
        "properties": {
          "bitLength": {
            "type": "integer"
          },
          "gNbValue": {
            "type": "string",
            "pattern": "^[A-Fa-f0-9]{6,8}$"
          }
        }
      },
      "plmnId": {
        "type": "object",
        "additionalProperties": false,
        "required": [
          "mcc",
          "mnc"
        ],
        "properties": {
          "mnc": {
            "type": "string",
            "pattern": "^[\\d]{2,3}$"
          },
          "mcc": {
            "type": "string",
            "pattern": "^[\\d]{3}$"
          }
        }
      },
      "n3IwfId": {
        "type": "string",
        "pattern": "^[A-Fa-f0-9]+$"
      },
      "ngeNbId": {
        "type": "string",
        "pattern": "^(MacroNGeNB-[A-Fa-f0-9]{5}|LMacroNGeNB-[A-Fa-f0-9]{6}|SMacroNGeNB-[A-Fa-f0-9]{5})$"
      }
    }
  }
}

```

```

    },
    "praId": {
      "type": "string"
    },
    "ncgiList": {
      "type": "array",
      "minItems": 1,
      "items": {
        "type": "object",
        "additionalProperties": false,
        "required": [
          "plmnId",
          "nrCellId"
        ],
        "properties": {
          "plmnId": {
            "type": "object",
            "additionalProperties": false,
            "required": [
              "mcc",
              "mnc"
            ],
            "properties": {
              "mnc": {
                "type": "string",
                "pattern": "^\\d{2,3}$"
              },
              "mcc": {
                "type": "string",
                "pattern": "^\\d{3}$"
              }
            }
          },
          "nrCellId": {
            "type": "string",
            "pattern": "^[A-Fa-f0-9]{9}$"
          }
        }
      },
      "trackingAreaList": {
        "type": "array",
        "minItems": 1,
        "items": {
          "type": "object",
          "additionalProperties": false,
          "required": [
            "plmnId",
            "tac"
          ],
          "properties": {
            "tac": {
              "type": "string",
              "default": "",
              "pattern": "^(^[A-Fa-f0-9]{4}$)|(^[A-Fa-f0-9]{6}$)"
            }
          }
        }
      }
    }
  },
  "trackingAreaList": {
    "type": "array",
    "minItems": 1,
    "items": {
      "type": "object",
      "additionalProperties": false,
      "required": [
        "plmnId",
        "tac"
      ],
      "properties": {
        "tac": {
          "type": "string",
          "default": "",
          "pattern": "^(^[A-Fa-f0-9]{4}$)|(^[A-Fa-f0-9]{6}$)"
        }
      }
    }
  }
}

```

```

        "plmnId": {
          "type": "object",
          "additionalProperties": false,
          "required": [
            "mcc",
            "mnc"
          ],
          "properties": {
            "mnc": {
              "type": "string",
              "pattern": "^\\d{2,3}$"
            },
            "mcc": {
              "type": "string",
              "pattern": "^\\d{3}$"
            }
          }
        },
      },
    },
  },
  "ProfileDataSchema": {
    "type": "object",
    "properties": {
      "profile-fields": {
        "type": "object",
        "properties": {
          "customFieldKey": {
            "type": "string"
          }
        }
      },
    },
    "nai": {
      "type": "array",
      "items": {
        "type": "string",
        "pattern": "^\\.+$"
      },
      "minItems": 1,
      "maxItems": 5
    },
    "imsi": {
      "type": "array",
      "items": {
        "type": "string",
        "pattern": "^\\[0-9\\]{5,15}$"
      },
      "minItems": 1,
      "maxItems": 5
    },
    "extid": {

```

```

    "type": "array",
    "items": {
      "type": "string",
      "pattern": "^[a-zA-Z0-9_!#$%&â€™*+/?`{|}~^.-]+@[a-zA-Z0-9.-]+$"
    },
    "minItems": 1,
    "maxItems": 5
  },
  "msisdn": {
    "type": "array",
    "items": {
      "type": "string",
      "pattern": "^[0-9]{5,15}$"
    },
    "minItems": 1,
    "maxItems": 5
  },
  "imei": {
    "type": "array",
    "items": {
      "type": "string",
      "pattern": "^[0-9]{14,15}$"
    },
    "minItems": 1,
    "maxItems": 1
  },
  "imeisv": {
    "type": "array",
    "items": {
      "type": "string",
      "pattern": "^[0-9]{16}$"
    },
    "minItems": 1,
    "maxItems": 1
  },
  "accountid": {
    "type": "array",
    "items": {
      "type": "string",
      "pattern": "^[a-zA-Z0-9]{1,36}$"
    },
    "minItems": 1,
    "maxItems": 1
  },
  "pei": {
    "type": "array",
    "items": {
      "type": "string",
      "pattern": "^(imei-[0-9]{14,15}|imeisv-[0-9]{16}|mac((-[0-9a-fA-F]{2}){6})(-untrusted)?|eui((-[0-9a-fA-F]{2}){8}))$"
    },
    "minItems": 1,
    "maxItems": 1
  },
  "supi": {
    "type": "array",

```



```

        "items": {
          "type": "string",
          "pattern": "^(imsi-[0-9]{5,15}|nai-.+|gci-.+|gli-.+)$"
        },
        "minItems": 1,
        "maxItems": 1
      },
      "gpsi": {
        "type": "array",
        "items": {
          "type": "string",
          "pattern": "^(msisdn-[0-9]{5,15}|extid-[^@]+@[^@]+)$"
        },
        "minItems": 1,
        "maxItems": 1
      }
    },
    "additionalProperties": false
  },
  "UePolicySetSchema": {
    "type": "object",
    "properties": {
      "uePolicySections": {
        "type": "object",
        "minProperties": 1,
        "additionalProperties": {
          "type": "object",
          "required": [
            "uePolicySectionInfo",
            "upsi"
          ],
          "properties": {
            "uePolicySectionInfo": {
              "type": "string",
              "format": "byte"
            },
            "upsi": {
              "type": "string"
            }
          }
        }
      }
    },
    "pei": {
      "type": "string",
      "pattern": "^(imei-[0-9]{15}|imeisv-[0-9]{16}|mac([0-9a-fA-F]{2})((-[0-9a-fA-F]{2}){5})|.+) $"
    },
    "osIds": {
      "type": "array",
      "minItems": 1,
      "items": {
        "type": "string",
        "format": "uuid"
      }
    },
    "upsis": {

```

```

        "type": "array",
        "minItems": 1,
        "items": {
            "type": "string"
        }
    },
    "andspInd": {
        "type": "boolean"
    },
    "subscCats": {
        "type": "array",
        "minItems": 1,
        "items": {
            "type": "string"
        }
    },
    "allowedRouteSelDescs": {
        "type": "object",
        "minProperties": 1,
        "additionalProperties": {
            "type": "object",
            "required": [
                "servingPlmn"
            ],
            "properties": {
                "servingPlmn": {
                    "type": "object",
                    "required": [
                        "mcc",
                        "mnc"
                    ],
                    "properties": {
                        "mnc": {
                            "type": "string",
                            "pattern": "^\\d{2,3}$"
                        },
                        "mcc": {
                            "type": "string",
                            "pattern": "^\\d{3}$"
                        }
                    }
                }
            },
            "properties": {
                "snssaiRouteSelDescs": {
                    "type": "array",
                    "items": {
                        "type": "object",
                        "required": [
                            "snssai"
                        ],
                        "properties": {
                            "snssai": {
                                "type": "object",
                                "required": [
                                    "sst"
                                ],
                                "properties": {

```

```

        "sd": {
          "type": "string",
          "pattern": "^[A-Za-f0-9]{6}$"
        },
        "sst": {
          "type": "integer",
          "minimum": 0,
          "maximum": 255
        }
      }
    },
    "dnnRouteSelDescs": {
      "type": "array",
      "items": {
        "type": "object",
        "required": [
          "dnn"
        ],
        "properties": {
          "pduSessTypes": {
            "type": "array",
            "minItems": 1,
            "items": {
              "type": "string",
              "enum": [
                "IPV4",
                "IPV6",
                "IPV4V6",
                "UNSTRUCTURED",
                "ETHERNET"
              ]
            }
          },
          "dnn": {
            "type": "string"
          }
        }
      },
      "sscModes": {
        "type": "array",
        "minItems": 1,
        "items": {
          "type": "string",
          "enum": [
            "SSC_MODE_1",
            "SSC_MODE_2",
            "SSC_MODE_3"
          ]
        }
      }
    }
  }
}

```

```

    },
    "praInfos": {
      "type": "object",
      "minProperties": 1,
      "additionalProperties": {
        "type": "object",
        "properties": {
          "ecgiList": {
            "type": "array",
            "minItems": 1,
            "items": {
              "oneOf": [
                {
                  "type": "object",
                  "required": [
                    "plmnId",
                    "eutraCellId"
                  ],
                  "properties": {
                    "eutraCellId": {
                      "type": "string",
                      "pattern": "^[A-Za-f0-9]{7}$"
                    },
                    "nid": {
                      "type": "string",
                      "pattern": "^[A-Za-f0-9]{13}$"
                    },
                    "plmnId": {
                      "type": "object",
                      "required": [
                        "mcc",
                        "mnc"
                      ],
                      "properties": {
                        "mnc": {
                          "type": "string",
                          "pattern": "^[\\d]{2,3}$"
                        },
                        "mcc": {
                          "type": "string",
                          "pattern": "^[\\d]{3}$"
                        }
                      }
                    }
                  ]
                }
              ]
            }
          }
        }
      },
      "globalRanNodeIdList": {
        "type": "array",
        "minItems": 1,
        "items": {
          "type": "object",
          "required": [
            "plmnId"
          ]
        }
      }
    }
  ]
}

```

```

    ],
    "oneOf": [
      {
        "required": [
          "n3IwfId"
        ]
      },
      {
        "required": [
          "gNbId"
        ]
      },
      {
        "required": [
          "ngeNbId"
        ]
      },
      {
        "required": [
          "eNbId"
        ]
      }
    ],
    "properties": {
      "eNbId": {
        "type": "string",
        "pattern": "^(MacroenB-[A-Fa-f0-9]{5}|LMacroenB-[A-Fa-f0-9]{6}|SMacroenB-[A-Fa-f0-9]{5}|HomeenB-[A-Fa-f0-9]{7})$"
      },
      "gNbId": {
        "type": "object",
        "required": [
          "bitLength",
          "gNbValue"
        ],
        "properties": {
          "bitLength": {
            "type": "integer",
            "minimum": 22,
            "maximum": 32
          },
          "gNbValue": {
            "type": "string",
            "pattern": "^[A-Fa-f0-9]{6,8} $"
          }
        }
      },
      "nid": {
        "type": "string",
        "pattern": "^[A-Fa-f0-9]{13} $"
      },
      "plmnId": {
        "type": "object",
        "required": [
          "mcc",
          "mnc"
        ]
      }
    }
  }

```

```

    ],
    "properties": {
      "mnc": {
        "type": "string",
        "pattern": "^\\d{2,3}$"
      },
      "mcc": {
        "type": "string",
        "pattern": "^\\d{3}$"
      }
    }
  },
  "n3IwfId": {
    "type": "string",
    "pattern": "^[A-Fa-f0-9]+$"
  },
  "ngeNbId": {
    "type": "string",
    "pattern": "^(MacroNGeNB-[A-Fa-f0-9]{5}|LMacroNGeNB-[A-Fa-f0-9]{6}|SMacroNGeNB-[A-Fa-f0-9]{5})$"
  }
}
},
"presenceState": {
  "type": "string",
  "enum": [
    "IN_AREA",
    "OUT_OF_AREA",
    "UNKNOWN",
    "INACTIVE"
  ]
},
"praId": {
  "type": "string"
},
"ncgiList": {
  "type": "array",
  "minItems": 1,
  "items": {
    "type": "object",
    "required": [
      "plmnId",
      "nrCellId"
    ],
    "properties": {
      "nid": {
        "type": "string",
        "pattern": "^[A-Fa-f0-9]{13}$"
      },
      "plmnId": {
        "type": "object",
        "required": [
          "mcc",
          "mnc"
        ],

```

```

        "properties": {
          "mnc": {
            "type": "string",
            "pattern": "^\\d{2,3}$"
          },
          "mcc": {
            "type": "string",
            "pattern": "^\\d{3}$"
          }
        },
        "nrCellId": {
          "type": "string",
          "pattern": "^[A-Fa-f0-9]{9}$"
        }
      }
    },
    "trackingAreaList": {
      "type": "array",
      "minItems": 1,
      "items": {
        "type": "object",
        "required": [
          "plmnId",
          "tac"
        ],
        "properties": {
          "tac": {
            "type": "string",
            "pattern": "([A-Fa-f0-9]{4}$)|([A-Fa-f0-9]{6}$)"
          },
          "nid": {
            "type": "string",
            "pattern": "^[A-Fa-f0-9]{13}$"
          },
          "plmnId": {
            "type": "object",
            "required": [
              "mcc",
              "mnc"
            ],
            "properties": {
              "mnc": {
                "type": "string",
                "pattern": "^\\d{2,3}$"
              },
              "mcc": {
                "type": "string",
                "pattern": "^\\d{3}$"
              }
            }
          }
        }
      }
    }
  },
  },
},

```

```

"globaleNbIdList": {
  "type": "array",
  "minItems": 1,
  "items": {
    "type": "object",
    "required": [
      "plmnId"
    ],
    "oneOf": [
      {
        "required": [
          "n3IwfId"
        ]
      },
      {
        "required": [
          "gNbId"
        ]
      },
      {
        "required": [
          "ngeNbId"
        ]
      },
      {
        "required": [
          "eNbId"
        ]
      }
    ],
    "properties": {
      "eNbId": {
        "type": "string",
        "pattern": "^(MacroenB-[A-Za-z0-9]{5}|LMacroenB-[A-Za-z0-9]{6}|SMacroenB-[A-Za-z0-9]{5}|HomeenB-[A-Za-z0-9]{7})$"
      },
      "gNbId": {
        "type": "object",
        "required": [
          "bitLength",
          "gNbValue"
        ],
        "properties": {
          "bitLength": {
            "type": "integer",
            "minimum": 22,
            "maximum": 32
          },
          "gNbValue": {
            "type": "string",
            "pattern": "^[A-Za-z0-9]{6,8}$"
          }
        }
      },
      "nid": {
        "type": "string",

```



```

        "pattern": "[A-Za-f0-9]{13}$"
    },
    "plmnId": {
        "type": "object",
        "required": [
            "mcc",
            "mnc"
        ],
        "properties": {
            "mnc": {
                "type": "string",
                "pattern": "\\d{2,3}$"
            },
            "mcc": {
                "type": "string",
                "pattern": "\\d{3}$"
            }
        }
    },
    "n3IwfId": {
        "type": "string",
        "pattern": "[A-Za-f0-9]+$"
    },
    "ngeNbId": {
        "type": "string",
        "pattern": "^(MacroGenB-[A-Za-f0-9]{5}|LMacroGenB-[A-Za-f0-9]{6}|SMacroGenB-[A-f0-9]{5})$"
    }
}
}
}
}
}
}
}
},
"SlfGroupProvSchema": {
    "type": "object",
    "additionalProperties": false,
    "required": [
        "nfGroupIDs",
        "slfGroupName",
        "slfGroupType"
    ],
    "properties": {
        "nfGroupIDs": {
            "type": "object",
            "minProperties": 1,
            "propertyNames": {
                "type": "string",
                "enum": [
                    "NRF",
                    "UDM",
                    "AMF",
                    "SMF",
                    "AUSF",

```

```

        "NEF",
        "PCF",
        "SMSF",
        "NSSF",
        "UDR",
        "LMF",
        "GMLC",
        "5G_EIR",
        "SEPP",
        "UPF",
        "N3IWF",
        "AF",
        "UDSF",
        "BSF",
        "CHF",
        "NWDAF",
        "PCSCF",
        "CBCF",
        "HSS",
        "UCMF"
    ]
},
"patternProperties": {
    "^.*$": {
        "type": "string",
        "minLength": 1
    }
}
},
"slfGroupName": {
    "type": "string",
    "minLength": 1
},
"slfGroupType": {
    "type": "string",
    "enum": [
        "ImsHss",
        "LteHss",
        "Pcrf",
        "Ocs",
        "Ofcs",
        "Aaa",
        "UserDef1",
        "UserDef2"
    ]
},
"expiry": {
    "type": "string",
    "format": "date-time"
}
}
},
"SmDataSchema": {
    "type": "object",
    "required": [
        "smPolicySnssaiData"
    ]
}

```

```

    ],
    "properties": {
      "umData": {
        "type": "object",
        "minProperties": 1,
        "additionalProperties": {
          "type": "object",
          "required": [
            "limitId"
          ],
        },
      },
      "properties": {
        "allowedUsage": {
          "$ref": "#/components/schemas/UsageLimit"
        },
        "customAllowedUsage": {
          "$ref": "#/components/schemas/UsageLimit"
        },
        "grantedUsage": {
          "$ref": "#/components/schemas/UsageLimit"
        },
        "limitId": {
          "type": "string",
          "pattern": "^[^?!\\s*$).+]{1,}"
        },
      },
      "scopes": {
        "type": "object",
        "additionalProperties": {
          "type": "object",
          "required": [
            "snssai"
          ],
        },
        "properties": {
          "snssai": {
            "$ref": "#/components/schemas/Snssai"
          },
          "dnn": {
            "type": "array",
            "minItems": 1,
            "items": {
              "type": "string"
            }
          }
        }
      }
    },
    "umLevel": {
      "type": "string",
      "enum": [
        "SESSION_LEVEL",
        "SERVICE_LEVEL"
      ]
    },
    "resetTime": {
      "anyOf": [
        {
          "type": "string",

```

```

        "format": "date-time"
      },
      {
        "type": "string",
        "pattern": "^\\\\d{4}\\\\-\\\\d{2}\\\\-\\\\d{2}T\\\\\\\\d{2}:\\\\\\\\d{2}:\\\\\\\\d{2}([Z]|(\\\\\\\\+|\\\\\\\\-))\\\\\\\\d{2}:\\\\\\\\d{2})?\\$"
      }
    ]
  }
},
"umDataLimits": {
  "type": "object",
  "additionalProperties": {
    "type": "object",
    "required": [
      "limitId"
    ],
    "properties": {
      "resetPeriod": {
        "type": "object",
        "required": [
          "period"
        ],
        "properties": {
          "period": {
            "type": "string",
            "enum": [
              "YEARLY",
              "MONTHLY",
              "WEEKLY",
              "DAILY",
              "HOURLY"
            ]
          },
          "maxNumPeriod": {
            "type": "integer",
            "minimum": 0
          }
        }
      }
    ],
    "endDate": {
      "anyOf": [
        {
          "type": "string",
          "format": "date-time"
        },
        {
          "type": "string",
          "pattern": "^\\\\d{4}\\\\-\\\\d{2}\\\\-\\\\d{2}T\\\\\\\\d{2}:\\\\\\\\d{2}:\\\\\\\\d{2}([Z]|(\\\\\\\\+|\\\\\\\\-))\\\\\\\\d{2}:\\\\\\\\d{2})?\\$"
        }
      ]
    },
    "usageLimit": {

```

```

        "$ref": "#/components/schemas/UsageLimit"
    },
    "limitId": {
        "type": "string",
        "pattern": "^[^?!\\\\s*$).+]{1,}"
    },
    "Type": {
        "type": "string"
    },
    "name": {
        "type": "string"
    },
    "priority": {
        "type": "string"
    },
    "initialServiceSpecific": {
        "type": "integer",
        "format": "int64",
        "minimum": 0
    },
    "scopes": {
        "type": "object",
        "additionalProperties": {
            "type": "object",
            "required": [
                "snssai"
            ],
            "properties": {
                "snssai": {
                    "$ref": "#/components/schemas/Snssai"
                },
                "dnn": {
                    "type": "array",
                    "minItems": 1,
                    "items": {
                        "type": "string"
                    }
                }
            }
        }
    },
    "umLevel": {
        "type": "string",
        "enum": [
            "SESSION_LEVEL",
            "SERVICE_LEVEL"
        ]
    },
    "startDate": {
        "anyOf": [
            {
                "type": "string",
                "format": "date-time"
            },
            {
                "type": "string",

```

```

        "pattern": "^\\\\d{4}\\\\\\\\-\\\\\\\\d{2}\\\\\\\\-\\\\\\\\d{2}T\\\\\\\\
\\\\d{2}:\\\\\\\\d{2}:\\\\\\\\d{2}([Z]|((\\\\\\\\+|\\\\\\\\-))\\\\\\\\d{2}:\\\\\\\\d{2}))?$"
    }
  ],
  },
  "activationdatetime": {
    "anyOf": [
      {
        "type": "string",
        "format": "date-time"
      },
      {
        "type": "string",
        "pattern": "^\\\\d{4}\\\\\\\\-\\\\\\\\d{2}\\\\\\\\-\\\\\\\\d{2}T\\\\\\\\
\\\\d{2}:\\\\\\\\d{2}:\\\\\\\\d{2}([Z]|((\\\\\\\\+|\\\\\\\\-))\\\\\\\\d{2}:\\\\\\\\d{2}))?$"
      }
    ]
  },
  "validityDuration": {
    "type": "integer",
    "minimum": 0
  },
  "InterimReportingInterval": {
    "type": "string"
  }
}
}
},
"suppFeat": {
  "type": "string",
  "pattern": "^([A-Za-f0-9])*$"
},
"smPolicySnssaiData": {
  "type": "object",
  "minProperties": 1,
  "additionalProperties": {
    "type": "object",
    "required": [
      "snssai"
    ],
    "properties": {
      "smPolicyDnnData": {
        "type": "object",
        "additionalProperties": {
          "type": "object",
          "required": [
            "dnn"
          ],
          "properties": {
            "adcSupport": {
              "type": "boolean"
            },
            "dnn": {
              "type": "string"
            }
          },
          "ipv4Index": {

```

Tbps)\$"

```

    "type": "integer"
  },
  "gbrDl": {
    "type": "string",
    "pattern": "^\\\\d+(\\\\.\\\\d+)? (bps|Kbps|Mbps|Gbps|
Tbps)$"
  },
  "mcsPriority": {
    "type": "boolean"
  },
  "subscSpendingLimits": {
    "type": "boolean"
  },
  "mcsPriorityLevel": {
    "type": "integer"
  },
  "chfInfo": {
    "type": "object",
    "required": [
      "primaryChfAddress",
      "secondaryChfAddress"
    ],
    "properties": {
      "secondaryChfAddress": {
        "type": "string"
      },
      "primaryChfAddress": {
        "type": "string"
      }
    }
  },
  "praInfos": {
    "type": "object",
    "minProperties": 1,
    "additionalProperties": {
      "type": "object",
      "properties": {
        "ecgiList": {
          "type": "array",
          "minItems": 1,
          "items": {
            "type": "object",
            "nullable": true,
            "required": [
              "plmnId",
              "eutraCellId"
            ],
            "properties": {
              "eutraCellId": {
                "type": "string",
                "pattern": "[A-Za-f0-9]{7}$"
              },
              "nid": {
                "type": "string",
                "pattern": "[A-Za-f0-9]{13}$"
              }
            }
          }
        }
      }
    }
  },

```

SnssaiPlmnId"

```

        "plmnId": {
          "$ref": "#/components/schemas/
        }
      }
    },
    "globalRanNodeIdList": {
      "type": "array",
      "minItems": 1,
      "items": {
        "$ref": "#/components/schemas/GlobalRanNodeId"
      }
    },
    "presenceState": {
      "type": "string",
      "enum": [
        "IN_AREA",
        "OUT_OF_AREA",
        "UNKNOWN",
        "INACTIVE"
      ]
    },
    "praId": {
      "type": "string"
    },
    "ncgiList": {
      "type": "array",
      "minItems": 1,
      "items": {
        "type": "object",
        "required": [
          "plmnId",
          "nrCellId"
        ],
        "properties": {
          "nid": {
            "type": "string",
            "pattern": "^[A-Fa-f0-9]{13}$"
          },
          "plmnId": {
            "$ref": "#/components/schemas/
          },
          "nrCellId": {
            "type": "string",
            "pattern": "^[A-Fa-f0-9]{9}$"
          }
        }
      }
    },
    "trackingAreaList": {
      "type": "array",
      "minItems": 1,
      "items": {
        "type": "object",

```

SnssaiPlmnId"


```

        "required": [
            "plmnId",
            "tac"
        ],
        "properties": {
            "tac": {
                "type": "string",
                "pattern": "([A-Fa-f0-9]{4}$)|([A-Fa-f0-9]{6}$)"
            },
            "nid": {
                "type": "string",
                "pattern": "[A-Fa-f0-9]{13}$"
            },
            "plmnId": {
                "$ref": "#/components/schemas/SnssaiPlmnId"
            }
        }
    },
    "globaleNbIdList": {
        "type": "array",
        "minItems": 1,
        "items": {
            "$ref": "#/components/schemas/GlobalRanNodeId"
        }
    }
},
"refUmDataLimitIds": {
    "type": "object",
    "minProperties": 1,
    "additionalProperties": {
        "type": "object",
        "nullable": true,
        "required": [
            "limitId"
        ],
        "properties": {
            "monkey": {
                "type": "array",
                "minItems": 1,
                "items": {
                    "type": "string"
                }
            },
            "limitId": {
                "type": "string",
                "pattern": "[^(?!\\\\\\\\s*$).+]{1,}"
            }
        }
    }
},
"bdtRefIds": {

```

```

        "type": "object",
        "nullable": true,
        "minProperties": 1,
        "additionalProperties": {
            "type": "string",
            "nullable": true
        }
    },
    "offline": {
        "type": "boolean"
    },
    "allowedServices": {
        "type": "array",
        "minItems": 1,
        "items": {
            "type": "string"
        }
    },
    "mpsPriority": {
        "type": "boolean"
    },
    "imsSignallingPrio": {
        "type": "boolean"
    },
    "gbrUL": {
        "type": "string",
        "pattern": "^\\\\d+(\\\\.\\\\d+)? (bps|Kbps|Mbps|Gbps|
Tbps)$"
    },
    "subscCats": {
        "type": "array",
        "minItems": 1,
        "items": {
            "type": "string"
        }
    },
    "online": {
        "type": "boolean"
    },
    "ipv6Index": {
        "type": "integer"
    },
    "mpsPriorityLevel": {
        "type": "integer"
    }
}
}
}
},
    "snssai": {
        "$ref": "#/components/schemas/Snssai"
    }
}
}
}
}
},

```

```

    "UsageLimit": {
      "type": "object",
      "properties": {
        "duration": {
          "type": "integer",
          "minimum": 0
        },
        "totalVolume": {
          "type": "integer",
          "format": "int64",
          "minimum": 0
        },
        "downlinkVolume": {
          "type": "integer",
          "format": "int64",
          "minimum": 0
        },
        "uplinkVolume": {
          "type": "integer",
          "format": "int64",
          "minimum": 0
        }
      }
    },
    "Snssai": {
      "type": "object",
      "required": [
        "sst"
      ],
      "properties": {
        "sd": {
          "type": "string",
          "pattern": "^[A-Za-f0-9]{6}$"
        },
        "sst": {
          "type": "integer",
          "minimum": 0,
          "maximum": 255
        }
      }
    },
    "SnssaiPlmnId": {
      "type": "object",
      "required": [
        "mcc",
        "mnc"
      ],
      "properties": {
        "mnc": {
          "type": "string",
          "pattern": "^[0-9]{2,3}$"
        },
        "mcc": {
          "type": "string",
          "pattern": "^[0-9]{3}$"
        }
      }
    }
  }

```

```

    }
  },
  "GlobalRanNodeId": {
    "type": "object",
    "required": [
      "plmnId"
    ],
    "oneOf": [
      {
        "required": [
          "n3IwfId"
        ]
      },
      {
        "required": [
          "gNbId"
        ]
      },
      {
        "required": [
          "ngeNbId"
        ]
      },
      {
        "required": [
          "eNbId"
        ]
      }
    ],
    "properties": {
      "eNbId": {
        "type": "string",
        "pattern": "^(MacroNb-[A-Za-z0-9]{5}|LMacroNb-[A-Za-z0-9]{6}|SMacroNb-[A-Za-z0-9]{5}|HomeNb-[A-Za-z0-9]{7})$"
      },
      "gNbId": {
        "type": "object",
        "required": [
          "bitLength",
          "gNbValue"
        ],
        "properties": {
          "bitLength": {
            "type": "integer",
            "minimum": 22,
            "maximum": 32
          },
          "gNbValue": {
            "type": "string",
            "pattern": "^[A-Za-z0-9]{6,8}$"
          }
        }
      },
      "nid": {
        "type": "string",
        "pattern": "^[A-Za-z0-9]{13}$"
      }
    }
  }
}

```

```

    },
    "plmnId": {
      "$ref": "#/components/schemas/PlmnId"
    },
    "n3IwfId": {
      "type": "string",
      "pattern": "^[A-Fa-f0-9]+$"
    },
    "ngenbId": {
      "type": "string",
      "pattern": "^(MacroNGeNB-[A-Fa-f0-9]{5}|LMacroNGeNB-[A-Fa-f0-9]{6}|SMacroNGeNB-[A-Fa-f0-9]{5})$"
    }
  },
  "ProvisionedData": {
    "type": "object",
    "additionalProperties": false,
    "properties": {
      "custom": {
        "type": "string"
      },
      "gpsis": {
        "type": "array",
        "items": {
          "type": "string",
          "pattern": "^(msisdn-[0-9]{5,15}|extid-[^@]+@[^@]+|.+) $"
        }
      },
      "nssai": {
        "type": "object",
        "nullable": true,
        "required": [
          "defaultSingleNssais"
        ],
        "additionalProperties": false,
        "properties": {
          "singleNssais": {
            "type": "array",
            "minItems": 1,
            "items": {
              "$ref": "#/components/schemas/Snssai"
            }
          }
        },
        "supportedFeatures": {
          "type": "string",
          "pattern": "^[A-Fa-f0-9]*$"
        },
        "defaultSingleNssais": {
          "type": "array",
          "minItems": 1,
          "items": {
            "$ref": "#/components/schemas/Snssai"
          }
        }
      }
    }
  }
}

```

```

    },
    "sorInfo": {
      "type": "object",
      "required": [
        "ackInd",
        "provisioningTime"
      ],
      "additionalProperties": false,
      "properties": {
        "ackInd": {
          "type": "boolean"
        },
        "countersor": {
          "type": "string",
          "pattern": "^[A-Fa-f0-9]{4}$"
        },
        "sorMacIausf": {
          "type": "string",
          "pattern": "^[A-Fa-f0-9]{32}$"
        },
        "provisioningTime": {
          "type": "string",
          "format": "date-time"
        },
        "steeringContainer": {
          "oneOf": [
            {
              "type": "array",
              "minItems": 1,
              "items": {
                "type": "object",
                "required": [
                  "plmnId"
                ],
                "properties": {
                  "plmnId": {
                    "$ref": "#/components/schemas/PlmnId"
                  },
                  "accessTechList": {
                    "type": "array",
                    "minItems": 1,
                    "items": {
                      "type": "string",
                      "enum": [
                        "NR",
                        "EUTRAN_IN_WBS1_MODE_AND_NBS1_MODE",
                        "EUTRAN_IN_NBS1_MODE_ONLY",
                        "EUTRAN_IN_WBS1_MODE_ONLY",
                        "UTRAN",
                        "GSM_AND_ECGSM_IoT",
                        "GSM_WITHOUT_ECGSM_IoT",
                        "ECGSM_IoT_ONLY",
                        "CDMA_1xRTT",
                        "CDMA_HRPD",
                        "GSM_COMPACT"
                      ]
                    }
                  }
                }
              }
            ]
          }
        }
      ]
    }
  ]
}

```

```

        }
      }
    },
    "additionalProperties": false
  }
},
{
  "type": "string",
  "pattern": "^(.*)$"
}
]
}
},
"upuInfo": {
  "type": "object",
  "required": [
    "upuDataList",
    "upuAckInd",
    "upuRegInd",
    "provisioningTime"
  ],
  "additionalProperties": false,
  "properties": {
    "upuAckInd": {
      "type": "boolean"
    },
    "upuRegInd": {
      "type": "boolean"
    },
    "counterUpu": {
      "type": "string",
      "pattern": "^[A-Za-f0-9]{4}$"
    },
    "upuDataList": {
      "type": "array",
      "minItems": 1,
      "items": {
        "type": "object",
        "oneOf": [
          {
            "required": [
              "secPacket"
            ]
          },
          {
            "required": [
              "defaultConfNssai"
            ]
          }
        ]
      },
      "properties": {
        "secPacket": {
          "type": "string",
          "format": "base64"
        }
      },

```

```

        "defaultConfNssai": {
            "type": "array",
            "minItems": 1,
            "items": {
                "$ref": "#/components/schemas/Snssai"
            }
        },
        "additionalProperties": false
    },
    "upuMacIausf": {
        "type": "string",
        "pattern": "^[A-Fa-f0-9]{32}$"
    },
    "provisioningTime": {
        "type": "string",
        "format": "date-time"
    }
},
"rfspIndex": {
    "type": "integer",
    "minimum": 1,
    "maximum": 256,
    "nullable": true
},
"activeTime": {
    "type": "integer",
    "nullable": true
},
"mcsPriority": {
    "type": "boolean"
},
"micoAllowed": {
    "type": "boolean"
},
"mpsPriority": {
    "type": "boolean"
},
"ueUsageType": {
    "type": "integer"
},
"subsRegTimer": {
    "type": "integer",
    "nullable": true
},
"dLPacketCount": {
    "type": "integer",
    "minimum": -1
},
"forbiddenAreas": {
    "type": "array",
    "items": {
        "$ref": "#/components/schemas/Area"
    }
}

```



```

    },
    "ratRestrictions": {
      "type": "array",
      "items": {
        "anyOf": [
          {
            "type": "string",
            "enum": [
              "NR",
              "EUTRA",
              "WLAN",
              "VIRTUAL"
            ]
          },
          {
            "type": "string"
          }
        ]
      }
    },
    "sharedAmDataIds": {
      "type": "array",
      "minItems": 1,
      "items": {
        "type": "string",
        "pattern": "^[0-9]{5,6}-.+ $"
      }
    },
    "internalGroupIds": {
      "type": "array",
      "minItems": 1,
      "items": {
        "type": "string",
        "pattern": "^[A-Fa-f0-9]{8}-[0-9]{3}-[0-9]{2,3}-([A-Fa-f0-9][A-Fa-f0-9]){1,10} $"
      }
    },
    "subscribedUeAmbr": {
      "type": "object",
      "additionalProperties": false,
      "properties": {
        "uplink": {
          "type": "string",
          "pattern": "^[0-9]+(\\.[0-9]+)? (bps|Kbps|Mbps|Gbps|Tbps) $"
        },
        "downlink": {
          "type": "string",
          "pattern": "^[0-9]+(\\.[0-9]+)? (bps|Kbps|Mbps|Gbps|Tbps) $"
        }
      }
    },
    "odbPacketServices": {
      "anyOf": [
        {
          "type": "string",
          "enum": [

```

```

        "ALL_PACKET_SERVICES",
        "ROAMER_ACCESS_HPLMN_AP",
        "ROAMER_ACCESS_VPLMN_AP"
    ]
},
{
    "type": "string",
    "nullable": true
}
]
},
"subscribedDnnList": {
    "type": "array",
    "items": {
        "type": "string"
    }
},
"supportedFeatures": {
    "type": "string",
    "pattern": "^[A-Za-f0-9]*$"
},
"serviceAreaRestriction": {
    "$ref": "#/components/schemas/ServiceAreaRestriction"
},
"coreNetworkTypeRestrictions": {
    "type": "array",
    "items": {
        "type": "string",
        "enum": [
            "5GC",
            "EPC"
        ]
    }
}
}
},
"Snssai": {
    "type": "object",
    "required": [
        "sst"
    ],
    "additionalProperties": false,
    "properties": {
        "sd": {
            "type": "string",
            "pattern": "^[A-Za-f0-9]{6}$"
        },
        "sst": {
            "type": "integer",
            "minimum": 0,
            "maximum": 255
        }
    }
}
},
"PlmnId": {
    "type": "object",

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```

    "required": [
      "mcc",
      "mnc"
    ],
    "additionalProperties": false,
    "properties": {
      "mcc": {
        "type": "string",
        "pattern": "^([0-9]{3})$"
      },
      "mnc": {
        "type": "string",
        "pattern": "^([0-9]{2,3})$"
      }
    }
  },
  "Area": {
    "type": "object",
    "oneOf": [
      {
        "required": [
          "tacs"
        ]
      },
      {
        "required": [
          "areaCode"
        ]
      }
    ],
    "additionalProperties": false,
    "properties": {
      "tacs": {
        "type": "array",
        "minItems": 1,
        "items": {
          "type": "string",
          "pattern": "^(^([A-Fa-f0-9]{4}$)|(^([A-Fa-f0-9]{6}$))"
        }
      },
      "areaCode": {
        "type": "string"
      }
    }
  },
  "ServiceAreaRestriction": {
    "type": "object",
    "additionalProperties": false,
    "allOf": [
      {
        "oneOf": [
          {
            "not": {
              "required": [
                "restrictionType"
              ]
            }
          }
        ]
      }
    ]
  }
}

```

```

    }
  },
  {
    "required": [
      "areas"
    ]
  }
]
},
{
  "anyOf": [
    {
      "not": {
        "required": [
          "restrictionType"
        ],
        "properties": {
          "restrictionType": {
            "type": "string",
            "enum": [
              "NOT_ALLOWED_AREAS"
            ]
          }
        }
      }
    },
    {
      "not": {
        "required": [
          "maxNumOfTAs"
        ]
      }
    }
  ]
},
{
  "anyOf": [
    {
      "not": {
        "required": [
          "restrictionType"
        ],
        "properties": {
          "restrictionType": {
            "type": "string",
            "enum": [
              "ALLOWED_AREAS"
            ]
          }
        }
      }
    },
    {
      "not": {
        "required": [
          "maxNumOfTAsForNotAllowedAreas"

```

```

        ]
      }
    }
  ],
  "properties": {
    "areas": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/Area"
      }
    },
    "maxNumOfTAs": {
      "type": "integer",
      "minimum": 0
    },
    "restrictionType": {
      "anyOf": [
        {
          "type": "string",
          "enum": [
            "ALLOWED_AREAS",
            "NOT_ALLOWED_AREAS"
          ]
        },
        {
          "type": "string"
        }
      ]
    },
    "maxNumOfTAsForNotAllowedAreas": {
      "type": "integer",
      "minimum": 0
    }
  }
},
"ProvisionedTraceData": {
  "type": "object",
  "nullable": true,
  "additionalProperties": false,
  "required": [
    "traceRef",
    "traceDepth",
    "neTypeList",
    "eventList"
  ],
  "properties": {
    "custom": {
      "type": "string"
    },
    "traceRef": {
      "type": "string",
      "pattern": "^[0-9]{3}[0-9]{2,3}-[A-Fa-f0-9]{6}$"
    },
    "eventList": {

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        "type": "string",
        "pattern": "^[A-Za-f0-9]+$"
    },
    "neTypeList": {
        "type": "string",
        "pattern": "^[A-Za-f0-9]+$"
    },
    "traceDepth": {
        "type": "string",
        "enum": [
            "MINIMUM",
            "MEDIUM",
            "MAXIMUM",
            "MINIMUM_WO_VENDOR_EXTENSION",
            "MEDIUM_WO_VENDOR_EXTENSION",
            "MAXIMUM_WO_VENDOR_EXTENSION"
        ]
    },
    "interfaceList": {
        "type": "string",
        "pattern": "^[A-Za-f0-9]+$"
    },
    "collectionEntityIpv4Addr": {
        "type": "string",
        "pattern": "^\(([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])\.\){3}([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])$"
    },
    "collectionEntityIpv6Addr": {
        "type": "string",
        "allOf": [
            {
                "pattern": "^\(:|(\0?|([1-9a-f][0-9a-f]{0,3}))\):((\0?|([1-9a-f][0-9a-f]{0,3}))\:{0,6}:(\0?|([1-9a-f][0-9a-f]{0,3})))$"
            },
            {
                "pattern": "^\(((^:|:){7}([^:]+))|(((^:|:)*[^:]+)?::((^:|:)+:)*[^:]+)?)$"
            }
        ]
    },
    "EquipmentStatus": {
        "type": "object",
        "properties": {
            "equipment-status": {
                "type": "object",
                "properties": {
                    "grey": {
                        "type": "boolean",
                        "default": false,
                        "example": false
                    },
                    "black": {
                        "type": "boolean",
                        "default": false,

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        "example": true
      },
      "white": {
        "type": "boolean",
        "default": false,
        "example": true
      }
    },
    "additionalProperties": false
  }
},
"ProvisionedSmsMngData" : {
  "type": "object",
  "properties": {
    "custom": {
      "type": "string"
    },
    "moSmsBarringAll": {
      "type": "boolean"
    },
    "moSmsSubscribed": {
      "type": "boolean"
    },
    "mtSmsBarringAll": {
      "type": "boolean"
    },
    "mtSmsSubscribed": {
      "type": "boolean"
    },
    "supportedFeatures": {
      "type": "string",
      "pattern": "^[A-Za-f0-9]*$"
    },
    "moSmsBarringRoaming": {
      "type": "boolean"
    },
    "mtSmsBarringRoaming": {
      "type": "boolean"
    },
    "sharedSmsMngDataIds": {
      "type": "array",
      "items": {
        "type": "string",
        "pattern": "^[0-9]{5,6}-.+ $"
      },
      "minItems": 1
    }
  },
  "additionalProperties": false
},
"ExposureSessionMgmData": {
  "type": "object",
  "additionalProperties": false,
  "properties": {
    "pduSessionStatusTs": {

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        "type": "string"
      },
      "pduSessionStatus": {
        "anyOf": [
          {
            "type": "string",
            "enum": [
              "ACTIVE",
              "RELEASED"
            ]
          },
          {
            "type": "string"
          }
        ]
      },
      "dnn": {
        "type": "string"
      },
      "n6TrafficRoutingInfoTs": {
        "type": "string"
      },
      "ipv6Addrs": {
        "type": "array",
        "minItems": 1,
        "items": {
          "type": "string",
          "allOf": [
            {
              "pattern": "^(::|(?|([1-9a-f][0-9a-f]{0,3})))::((?|([1-9a-f][0-9a-f]{0,3})))::{0,6}::|(?|([1-9a-f][0-9a-f]{0,3})))$"
            },
            {
              "pattern": "^(::|([^:]+){7}([^:]+))|(((^[^:]+)*[^:]+)?::((^[^:]+)*[^:]+)?))$"
            }
          ]
        }
      },
      "custom": {
        "type": "string"
      },
      "ipAddrTs": {
        "type": "string"
      },
      "n6TrafficRoutingInfo": {
        "type": "array",
        "items": {
          "type": "object",
          "additionalProperties": false,
          "required": [
            "dnai"
          ],
          "properties": {
            "dnai": {
              "type": "string"
            }
          }
        }
      }
    }
  }

```



```

    },
    "routeInfo": {
      "type": "object",
      "additionalProperties": false,
      "properties": {
        "ipv6Addr": {
          "type": "string",
          "allof": [
            {
              "pattern": "^(::|(?|([1-9a-f][0-9a-f]{0,3})))|((0?|([1-9a-f][0-9a-f]{0,3})))|{0,6}(:|(?|([1-9a-f][0-9a-f]{0,3})))$)"
            },
            {
              "pattern": "^( ((([^:]+:){7}([^\:]+))| ((([^:]+:)*[^\:]
+)?::(([^:]+:)*[^\:]+)?) )$)"
            }
          ]
        },
        "ipv4Addr": {
          "type": "string",
          "pattern": "^( ([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|
25[0-5])\\.){3}([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])$)"
        },
        "portNumber": {
          "type": "integer",
          "minimum": 0
        }
      }
    },
    "routeProfId": {
      "type": "string",
      "nullable": true
    }
  }
},
"dnaiTs": {
  "type": "string"
},
"pduSessType": {
  "anyOf": [
    {
      "type": "string",
      "enum": [
        "IPV4",
        "IPV6",
        "IPV4V6",
        "UNSTRUCTURED",
        "ETHERNET"
      ]
    },
    {
      "type": "string"
    }
  ]
},

```

```

        "ipv4Addr": {
          "type": "string",
          "pattern": "^(([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])\\
\\.){3}([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])$"
        },
        "pduSessionId": {
          "type": "integer",
          "minimum": 0,
          "maximum": 255
        },
        "dnai": {
          "type": "string"
        },
        "ipv6Prefix": {
          "type": "array",
          "minItems": 1,
          "items": {
            "type": "string",
            "allof": [
              {
                "pattern": "^((:|(?|([1-9a-f][0-9a-f]{0,3})))|((?|([1-9a-
f][0-9a-f]{0,3})))|{0,6}(:|(?|([1-9a-f][0-9a-f]{0,3})))|/((([0-9])|([0-9]{2})|
(1[0-1][0-9])|(12[0-8])))$)"
              },
              {
                "pattern": "^(((([::]{7}([[::]]+))|((([::]{1,6}[::]*[[::]]+)?::
|(:[[::]]+)*[[::]]+)?|:::)|::|:::)|/.)$)"
              }
            ]
          }
        },
        "suppFeat": {
          "type": "string",
          "pattern": "^[A-Za-f0-9]*$"
        }
      },
      "ProvisionedSmsData": {
        "type": "object",
        "properties": {
          "custom": {
            "type": "string"
          },
          "smsSubscribed": {
            "type": "boolean"
          },
          "sharedSmsSubsDataId": {
            "type": "string",
            "pattern": "^[0-9]{5,6}-.+ $"
          }
        },
        "additionalProperties": false
      },
      "SmfSelectionSubscriptionData" : {
        "type": "object",
        "properties": {

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```

    "custom": {
      "type": "string"
    },
    "supportedFeatures": {
      "type": "string",
      "pattern": "^[A-Za-f0-9]*$"
    },
    "sharedSnssaiInfosId": {
      "type": "string"
    },
    "subscribedSnssaiInfos": {
      "type": "object",
      "patternProperties": {
        "^(.*)$": {
          "type": "object",
          "required": [
            "dnnInfos"
          ],
          "properties": {
            "dnnInfos": {
              "type": "array",
              "items": {
                "type": "object",
                "required": [
                  "dnn"
                ],
                "properties": {
                  "dnn": {
                    "type": "string"
                  },
                  "iwkEpsInd": {
                    "type": "boolean"
                  },
                  "lboRoamingAllowed": {
                    "type": "boolean"
                  },
                  "defaultDnnIndicator": {
                    "type": "boolean"
                  }
                }
              },
              "additionalProperties": false
            },
            "minItems": 1
          }
        },
        "additionalProperties": false
      }
    },
    "additionalProperties": false
  },
  "AccessAndMobilityData": {
    "type": "object",
    "additionalProperties": false,
    "properties": {

```

```

"currentPlmn": {
  "type": "object",
  "additionalProperties": false,
  "required": ["mcc", "mnc"],
  "properties": {
    "mnc": { "type": "string", "pattern": "^\\d{2,3}$" },
    "mcc": { "type": "string", "pattern": "^\\d{3}$" }
  }
},
"custom": { "type": "string" },

"ratType": {
  "anyOf": [
    {
      "type": "string",
      "enum": [
        "NR",
        "EUTRA",
        "WLAN",
        "VIRTUAL",
        "NB-IOT",
        "WIREFLINE",
        "WIREFLINE_CABLE",
        "WIREFLINE_BBF",
        "LTE-M",
        "NR-U",
        "EUTRA-U",
        "TRUSTED_N3GA",
        "TRUSTED_WLAN",
        "UTRA",
        "GERA"
      ]
    },
    {
      "type": "array",
      "items": {
        "type": "string"
      }
    }
  ]
},

"timeZone": { "type": "string" },
"timeZoneTs": { "type": "string", "format": "date-time" },
"roamingStatusTs": { "type": "string", "format": "date-time" },

"reachabilityStatus": {
  "anyOf": [
    {
      "type": "string",
      "enum": ["UNREACHABLE", "REACHABLE", "REGULATORY_ONLY"]
    },
    { "type": "string" }
  ]
},

```

```

    "accessType": {
      "type": "string",
      "enum": ["3GPP_ACCESS", "NON_3GPP_ACCESS"]
    },
    "smsOverNasStatusTs": { "type": "string", "format": "date-time" },
    "currentPlmnTs": { "type": "string", "format": "date-time" },

    "regStates": {
      "type": "array",
      "items": {
        "type": "object",
        "additionalProperties": false,
        "required": ["rmState", "accessType"],
        "properties": {
          "accessType": {
            "type": "string",
            "enum": ["3GPP_ACCESS", "NON_3GPP_ACCESS"]
          },
          "rmState": {
            "anyOf": [
              { "type": "string", "enum": ["REGISTERED",
"DEREGISTERED"] },
              { "type": "string" }
            ]
          }
        }
      }
    },

    "locationTs": { "type": "string", "format": "date-time" },
    "connStatesTs": { "type": "string", "format": "date-time" },
    "regStatesTs": { "type": "string", "format": "date-time" },
    "reachabilityStatusTs": { "type": "string", "format": "date-time" },
    "roamingStatus": { "type": "boolean" },
    "ratTypesTs": { "type": "string", "format": "date-time" },

    "location": {
      "type": "object",
      "additionalProperties": true
    },

    "connStates": {
      "type": "array",
      "items": {
        "type": "object",
        "additionalProperties": false,
        "required": ["cmState", "accessType"],
        "properties": {
          "accessType": {
            "type": "string",
            "enum": ["3GPP_ACCESS", "NON_3GPP_ACCESS"]
          },
          "cmState": {
            "anyOf": [
              { "type": "string", "enum": ["IDLE", "CONNECTED"] },

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```

        { "type": "string" }
      ]
    }
  }
},
"smsOverNasStatus": {
  "anyOf": [
    { "type": "string", "enum": ["3GPP", "NON_3GPP", "BOTH",
"NONE"] },
    { "type": "string" }
  ]
},
"n3galocation": {
  "type": "object",
  "additionalProperties": true,
  "properties": {
    "twapId": {
      "type": "object",
      "additionalProperties": true,
      "required": ["ssId"],
      "properties": {
        "bssId": { "type": "string" },
        "civicAddress": { "type": "string" },
        "ssId": { "type": "string" }
      }
    },
    "hfcNodeId": {
      "type": "object",
      "additionalProperties": true,
      "required": ["hfcNId"],
      "properties": {
        "hfcNId": { "type": "string", "maxLength": 6, "nullable":
true }
      }
    },
    "ueIpv4Addr": {
      "type": "string",
      "pattern": "^[([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|
25[0-5])\\.)}{3}([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])$"
    },
    "gli": { "type": "string" },
    "tnapId": {
      "type": "object",
      "additionalProperties": true,
      "properties": {
        "bssId": { "type": "string" },
        "civicAddress": { "type": "string" },
        "ssId": { "type": "string" }
      }
    },
    "n3gppTai": {
      "type": "object",
      "additionalProperties": true,

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```
"required": ["plmnId", "tac"],
"properties": {
  "tac": {
    "type": "string",
    "pattern": "(^[A-Fa-f0-9]{4}$)|(^[A-Fa-f0-9]{6}$)"
  },
  "nid": { "type": "string", "pattern": "^[A-Fa-f0-9]{11}$" },
  "plmnId": {
    "type": "object",
    "additionalProperties": false,
    "required": ["mcc", "mnc"],
    "properties": {
      "mnc": { "type": "string", "pattern": "^\\d{2,3}$" },
      "mcc": { "type": "string", "pattern": "^\\d{3}$" }
    }
  }
},
"w5gbanLineType": {
  "anyOf": [
    { "type": "string", "enum": ["DSL", "PON"] },
    { "type": "string" }
  ]
},
"gci": { "type": "string" },
"ueIpv6Addr": {
  "type": "string",
  "allOf": [
    { "pattern": "^( (::|0?|([1-9a-f][0-9a-f]{0,3}))* )((0?|[1-9a-f][0-9a-f]{0,3})):{0,6}(:|0?|([1-9a-f][0-9a-f]{0,3}))$" },
    { "pattern": "^( ([^:]+){7}([^:]*) | (([^:]+)*[^\:]+)? : ([^:]+)*[^\:]+ )" }
  ]
},
"n3IwfId": { "type": "string", "pattern": "^[A-Fa-f0-9]+$" },
"portNumber": { "type": "integer", "minimum": 0 }
},
"suppFeat": { "type": "string", "pattern": "^[A-Fa-f0-9]*$" }
}
```

B

Open API Specification for nudr-config

The open API specification for nudr-config is as follows:

```
{
  "openapi": "3.1.0",
  "jsonSchemaDialect": "https://spec.openapis.org/oas/3.1/dialect/base",
  "info": {
    "version": "26.1.201.0.0",
    "title": "OCUDR CONFIGURATION API SPECIFICATION"
  },
  "tags": [
    {
      "name": "OCUDR CONFIGURATION",
      "description": "Configuration Controller"
    }
  ],
  "paths": {
    "/nudr-config/v1/udr.nudrservice.cfg/DR-SERVICE": {
      "get": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Returns Data Repository Service Configuration",
        "description": "Returns Data Repository Service Configuration.",
        "operationId": "getConfiguredValuesForDR",
        "responses": {
          "200": {
            "description": "OK",
            "content": {
              "application/json": {
                "schema": {
                  "$ref": "#/components/schemas/DrServiceConfiguration"
                }
              }
            }
          },
          "404": {
            "description": "Not Found",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          }
        }
      },
      "deprecated": false
    }
  }
}
```



```

"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Data Repository Service Configuration",
  "description": "Updates Data Repository Service Configuration.",
  "operationId": "putConfiguredValuesForDR",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/DrServiceConfiguration"
        }
      }
    },
    "description": "Data Repository Service Configuration",
    "required": true
  },
  "responses": {
    "200": {
      "description": "OK"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},

```

```

"/nudur-config/v1/udr.notifyservice.cfg/NOTIFY-SERVICE": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Notify Service Configuration",
    "description": "Returns Notify Service Configuration.",
    "operationId": "getConfiguredValuesForNotify",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/NotifyServiceConfiguration"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Notify Service Configuration",
  "description": "Updates Notify Service Configuration.",
  "operationId": "putConfiguredValuesForNotify",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/NotifyServiceConfiguration"
        }
      }
    }
  },
  "description": "Notify Service Configuration",
  "required": true
},
"responses": {
  "200": {
    "description": "OK"
  },
  "400": {
    "description": "Bad Request",

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        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/nudr-config/v1/udr.global.cfg/GLOBAL": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns Global Configuration",
      "description": "Returns Global Configuration.",
      "operationId": "getConfiguredValuesForGlobal",
      "responses": {
        "200": {
          "description": "OK",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/GlobalConfiguration"
              }
            }
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {

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        "$ref": "#/components/schemas/ProblemDetails"
    }
}
}
},
"deprecated": false
},
"put": {
    "tags": [
        "OCUDR CONFIGURATION"
    ],
    "summary": "Updates Global Configuration",
    "description": "Updates Global Configuration.",
    "operationId": "putConfiguredValuesForGlobal",
    "requestBody": {
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/GlobalConfiguration"
                }
            }
        },
        "description": "Global Configuration",
        "required": true
    },
    "responses": {
        "200": {
            "description": "OK"
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    }
}

```

```

        }
      }
    }
  },
  "deprecated": false
},
"/nudr-config/v1/udr.diamgateway.cfg/DIAMETER-GATEWAY": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Diameter Gateway Configuration",
    "description": "Returns Diameter Gateway Configuration.",
    "operationId": "getConfiguredValuesForDiamgateway",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/DiameterConfiguration"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Diameter Gateway Configuration",
  "description": "Updates Diameter Gateway Configuration.",
  "operationId": "putConfiguredValuesForDiamgateway",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/DiameterConfiguration"
        }
      }
    }
  },
  "description": "Diameter Gateway Configuration",

```

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        "required": true
      },
      "responses": {
        "200": {
          "description": "OK"
        },
        "400": {
          "description": "Bad Request",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    }
  },
  "/nudr-config/v1/udr.biservice.cfg/BULK_IMPORT": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns Run time status of Bulk Import files",
      "description": "Returns Run time status of Bulk Import files.",
      "operationId": "getConfiguredValuesForBI",
      "responses": {
        "200": {
          "description": "OK",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/BICongfiguration"
              }
            }
          }
        }
      }
    }
  }
}

```

```

    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"/nudr-config/v1/udr.diamgateway.congestion.cfg/DGW-CONGESTION": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Diameter Gateway Congestion Configuration",
    "description": "Returns Diameter Gateway Congestion Configuration.",
    "operationId": "getConfiguredValuesForDC",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/DiamgatewayCongestion"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  }
}

```

```

    },
    "deprecated": false
  },
  "put": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Updates Diameter Gateway Congestion Configuration",
    "description": "Updates Diameter Gateway Congestion Configuration.",
    "operationId": "putConfiguredValuesForDC",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/DiamgatewayCongestion"
          }
        }
      }
    },
    "description": "Diamgateway Congestion Configuration",
    "required": true
  },
  "responses": {
    "200": {
      "description": "OK"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  }
},

```



```

        "deprecated": false
    },
    "/nudr-config/v1/udr.nudrprovservice.cfg/DR-PROV-SERVICE": {
        "get": {
            "tags": [
                "OCUDR CONFIGURATION"
            ],
            "summary": "Returns Data Repository Provisioning Service
Configuration",
            "description": "Returns Data Repository Provisioning Service
Configuration.",
            "operationId": "getConfiguredValuesForDRProv",
            "responses": {
                "200": {
                    "description": "OK",
                    "content": {
                        "application/json": {
                            "schema": {
                                "$ref": "#/components/schemas/DrProvServiceConfiguration"
                            }
                        }
                    }
                },
                "404": {
                    "description": "Not Found",
                    "content": {
                        "application/problem+json": {
                            "schema": {
                                "$ref": "#/components/schemas/ProblemDetails"
                            }
                        }
                    }
                }
            }
        },
        "deprecated": false
    },
    "put": {
        "tags": [
            "OCUDR CONFIGURATION"
        ],
        "summary": "Updates Data Repository Provisioning Service
Configuration",
        "description": "Updates Data Repository Provisioning Service
Configuration.",
        "operationId": "putConfiguredValuesForDRProv",
        "requestBody": {
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/DrProvServiceConfiguration"
                    }
                }
            }
        },
        "description": "Data Repository Provisioning Service Configuration",
        "required": true
    }
}

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```

    },
    "responses": {
      "200": {
        "description": "OK"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/nldr-config/v1/udr.bulkimportservice.cfg/BULK_IMPORT_CFG": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns Bulk Import Tool Configuration",
      "description": "Returns Bulk Import Tool Configuration.",
      "operationId": "getBulkImportCfg",
      "responses": {
        "200": {
          "description": "OK",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/BulkImportCfg"
              }
            }
          }
        }
      }
    }
  }
}

```

```

    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
},
"deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Bulk Import Tool Configuration",
  "description": "Updates Bulk Import Tool Configuration.",
  "operationId": "putBulkImportCfg",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/BulkImportCfg"
        }
      }
    }
  },
  "description": "Subscriber Bulk Import Tool Configuration",
  "required": true
},
"responses": {
  "200": {
    "description": "OK"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
},
"404": {
  "description": "Not Found",
  "content": {
    "application/problem+json": {
      "schema": {
        "$ref": "#/components/schemas/ProblemDetails"
      }
    }
  }
}
}

```

```

    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"/nudr-config/v1/udr.exporttool.cfg/EXPORT_TOOL_CFG": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Bulk Export Tool Configuration",
    "description": "Returns Bulk Export Tool Configuration.",
    "operationId": "getBulkExportCfg",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/BulkExportCfg"
            }
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Bulk Export Tool Configuration",
  "description": "Updates Bulk Export Tool Configuration.",
  "operationId": "putBulkExportCfg",
  "requestBody": {
    "content": {

```

```

        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/BulkExportCfg"
          }
        },
        "description": "Subscriber Bulk Export Tool Configuration",
        "required": true
      },
      "responses": {
        "200": {
          "description": "OK"
        },
        "400": {
          "description": "Bad Request",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    }
  },
  "/nudr-config/v1/udr.exporttoolfilestatus.cfg/EXPORT_TOOL_FILE_STATUS": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns Bulk Export Tool File Status",
      "description": "Returns Bulk Export Tool File Status.",
      "operationId": "getBulkExportFileStatus",
      "responses": {

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        "200": {
          "description": "OK",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/BulkExportFileStatus"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "/nudur-config/v1/udr.exporttoolstatus.cfg/EXPORT_TOOL_STATUS": {
      "get": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Returns Bulk Export Tool Status",
        "description": "Returns Bulk Export Tool Status.",
        "operationId": "getBulkExportToolStatus",
        "responses": {
          "200": {
            "description": "OK",
            "content": {
              "application/json": {
                "schema": {
                  "$ref": "#/components/schemas/BulkExportToolStatus"
                }
              }
            }
          },
          "404": {
            "description": "Not Found",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          }
        }
      },
      "deprecated": false
    }
  }
}

```

```

},
"/nudur-config/v1/udr.exporttoolstatus.cfg/EXPORT_TOOL_STATUS/{jobId}": {
  "get": {
    "parameters": [
      {
        "in": "path",
        "name": "jobId",
        "description": "Bulk export tool status job identifier.",
        "schema": {
          "type": "string"
        },
        "example": "export-2023-01-16T14:12:33",
        "required": true
      }
    ],
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Bulk Export Tool Status For Job ID",
    "description": "Returns Bulk Export Tool Status For Job ID.",
    "operationId": "getBulkExportToolStatusJobId",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/BulkExportToolStatusJobId"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  },
  "deprecated": false
},
"delete": {
  "parameters": [
    {
      "in": "path",
      "name": "jobId",
      "description": "Bulk export tool status job identifier.",
      "schema": {
        "type": "string"
      },
      "example": "export-2023-01-16T14:12:33",
      "required": true
    }
  ]
}

```

```

    }
  ],
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Deletes Bulk Export Tool Status For Job ID",
  "description": "Deletes Bulk Export Tool Status For Job ID.",
  "operationId": "deleteExportToolStatusJobId",
  "responses": {
    "200": {
      "description": "OK"
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  }
},
"deprecated": false
}
},
"/nudr-config/v1/nudr-drservice/podProtectionByRateLimiting": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Pod Protection By Rate Limiting Configuration For Data Repository Service",
    "description": "Returns Pod Protection By Rate Limiting Configuration For Data Repository Service.",
    "operationId": "getPodProtectionByRateLimitingForDr",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/BackendPodProtectionByRateLimiting"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  }
}

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    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Pod Protection By Rate Limiting Configuration For
Data Repository Service",
  "description": "Updates Pod Protection By Rate Limiting Configuration
For Data Repository Service.",
  "operationId": "putPodProtectionByRateLimitingForDr",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/
BackendPodProtectionByRateLimiting"
        }
      }
    },
    "description": "Data Repository Service Pod Protection By Rate
Limiting Configuration",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "409": {
      "description": "Conflict",
      "content": {
        "application/json": {
          "schema": {

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        "type": "string"
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"/nudr-config/v1/nudr-notify-service/podProtectionByRateLimiting": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Pod Protection By Rate Limiting Configuration For
Notify Service",
    "description": "Returns Pod Protection By Rate Limiting Configuration
For Notify Service.",
    "operationId": "getPodProtectionByRateLimitingForNotify",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/
BackendPodProtectionByRateLimiting"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "put": {
    "tags": [

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        "OCUDR CONFIGURATION"
    ],
    "summary": "Updates Pod Protection By Rate Limiting Configuration For
Notify Service",
    "description": "Updates Pod Protection By Rate Limiting Configuration
For Notify Service.",
    "operationId": "putPodProtectionByRateLimitingForNotify",
    "requestBody": {
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/
BackendPodProtectionByRateLimiting"
                }
            }
        }
    },
    "description": "Notify Service Pod Protection By Rate Limiting
Configuration",
    "required": true
},
"responses": {
    "201": {
        "description": "CREATED"
    },
    "400": {
        "description": "Bad Request",
        "content": {
            "application/problem+json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "404": {
        "description": "Not Found",
        "content": {
            "application/problem+json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "409": {
        "description": "Conflict",
        "content": {
            "application/json": {
                "schema": {
                    "type": "string"
                }
            }
        }
    },
    "500": {
        "description": "Internal Server Error",

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        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "deprecated": false
    },
    "/nudr-config/v1/nudr-dr-provservice/podProtectionByRateLimiting": {
      "get": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Returns Pod Protection By Rate Limiting Configuration For Data Repository Provisioning Service",
        "description": "Returns Pod Protection By Rate Limiting Configuration For Data Repository Provisioning Service.",
        "operationId": "getPodProtectionByRateLimitingForDrProv",
        "responses": {
          "200": {
            "description": "OK",
            "content": {
              "application/json": {
                "schema": {
                  "$ref": "#/components/schemas/BackendPodProtectionByRateLimiting"
                }
              }
            }
          },
          "404": {
            "description": "Not Found",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "put": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Updates Pod Protection By Rate Limiting Configuration For Data Repository Provisioning Service",
      "description": "Updates Pod Protection By Rate Limiting Configuration For Data Repository Provisioning Service.",
      "operationId": "putPodProtectionByRateLimitingForDrProv",

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    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/
BackendPodProtectionByRateLimiting"
          }
        }
      },
      "description": "Data Repository Provisioning Service Pod Protection
By Rate Limiting Configuration",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "409": {
        "description": "Conflict",
        "content": {
          "application/json": {
            "schema": {
              "type": "string"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  }
}

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        }
      },
      "deprecated": false
    }
  },
  "/nudr-config/v1/nudr-drservice/congestionConfig": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns Congestion Configuration For Data Repository",
      "description": "Returns Congestion Configuration For Data Repository",
      "operationId": "getCongestionConfigForDr",
      "responses": {
        "200": {
          "description": "OK",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/BackendCongestionConfig"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "put": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Updates Congestion Configuration For Data Repository",
    "description": "Updates Congestion Configuration For Data Repository",
    "operationId": "putCongestionConfigForDr",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/BackendCongestionConfig"
          }
        }
      }
    }
  },
},

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        "description": "Data Repository Service Congestion Configuration",
        "required": true
    },
    "responses": {
        "201": {
            "description": "CREATED"
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "409": {
            "description": "Conflict",
            "content": {
                "application/json": {
                    "schema": {
                        "type": "string"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    },
    "deprecated": false
},
"/nudr-config/v1/nudr-notify-service/congestionConfig": {
    "get": {
        "tags": [
            "OCUDR CONFIGURATION"
        ],

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"summary": "Returns Congestion Configuration For Notify Service",
"description": "Returns Congestion Configuration For Notify Service.",
"operationId": "getCongestionConfigForNotify",
"responses": {
  "200": {
    "description": "OK",
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/BackendCongestionConfig"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
},
"deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Congestion Configuration For Notify Service",
  "description": "Updates Congestion Configuration For Notify Service.",
  "operationId": "putCongestionConfigForNotify",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/BackendCongestionConfig"
        }
      }
    }
  },
  "description": "Notify Service Congestion Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

```



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    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "409": {
    "description": "Conflict",
    "content": {
      "application/json": {
        "schema": {
          "type": "string"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"/nudr-config/v1/nudr-dr-provservice/congestionConfig": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Congestion Configuration For Data Repository Provisioning Service",
    "description": "Returns Congestion Configuration For Data Repository Provisioning Service.",
    "operationId": "getCongestionConfigForDrProv",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/BackendCongestionConfig"
            }
          }
        }
      }
    }
  }
}

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    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
},
"deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Congestion Configuration For Data Repository
Provisioning Service",
  "description": "Updates Congestion Configuration For Data Repository
Provisioning Service.",
  "operationId": "putCongestionConfigForDrProv",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/BackendCongestionConfig"
        }
      }
    }
  },
  "description": "Data Repository Provisioning Service Congestion
Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

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        }
      }
    },
    "409": {
      "description": "Conflict",
      "content": {
        "application/json": {
          "schema": {
            "type": "string"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"/nudr-config/v1/export": {
  "post": {
    "parameters": [
      {
        "name": "managedObjects",
        "in": "query",
        "description": "Managed objects to export. When omitted, all
managed objects are exported.",
        "required": false,
        "schema": {
          "type": "array",
          "items": {
            "type": "string"
          }
        }
      }
    ]
  },
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Starts Bulk Export Of UDR Configuration",
  "description": "Starts Bulk Export Of UDR Configuration.",
  "operationId": "postExportConfiguration",
  "responses": {
    "201": {
      "description": "CREATED",
      "content": {
        "application/json": {

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        "schema": {
          "type": "string"
        }
      }
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"get": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Returns Export Resource IDs",
  "description": "Returns Export Resource IDs.",
  "operationId": "getExportConfiguration",
  "responses": {
    "200": {
      "description": "OK",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ExportId"
          }
        }
      }
    }
  }
},
"deprecated": false
}
},
"/nudr-config/v1/export/{exportResourceId}/status": {
  "get": {
    "parameters": [
      {
        "in": "path",
        "name": "exportResourceId",
        "description": "Bulk export resource identifier.",
        "schema": {
          "type": "string"
        },
        "example": "3e470fab-e131-4dbe-be67-ba7391729254",
        "required": true
      }
    ],
    "tags": [

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        "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Bulk Export Status For Export Resource ID",
    "description": "Returns Bulk Export Status For Export Resource ID.",
    "operationId": "getExportStatus",
    "responses": {
        "200": {
            "description": "OK",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/ExportStatus"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    },
    "deprecated": false
},
"/nudr-config/v1/export/{exportResourceId}/report": {
    "get": {
        "parameters": [
            {
                "in": "path",
                "name": "exportResourceId",
                "description": "Bulk export resource identifier.",
                "schema": {
                    "type": "string"
                },
                "example": "3e470fab-e131-4dbe-be67-ba7391729254",
                "required": true
            }
        ],
        "tags": [
            "OCUDR CONFIGURATION"
        ],
        "summary": "Returns Bulk Export Report For Export Resource ID",
        "description": "Returns Bulk Export Report For Export Resource ID.",
        "operationId": "getExportReport",
        "responses": {
            "200": {
                "description": "OK",
                "content": {
                    "application/octet-stream": {
                        "schema": {

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        "type": "string",
        "format": "binary"
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
},
"deprecated": false
},
"/nudr-config/v1/export/{exportResourceId}/download": {
  "get": {
    "parameters": [
      {
        "in": "path",
        "name": "exportResourceId",
        "description": "Bulk export resource identifier.",
        "schema": {
          "type": "string"
        },
        "example": "3e470fab-e131-4dbe-be67-ba7391729254",
        "required": true
      }
    ],
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Bulk Export Download For Export Resource ID",
    "description": "Returns Bulk Export Download For Export Resource ID.",
    "operationId": "getExportDownload",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/octet-stream": {
            "schema": {

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```

        "type": "string",
        "format": "binary"
    }
}
},
"404": {
    "description": "Not Found",
    "content": {
        "application/problem+json": {
            "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
            }
        }
    }
},
"500": {
    "description": "Internal Server Error",
    "content": {
        "application/problem+json": {
            "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
            }
        }
    }
},
},
"deprecated": false
}
},
"/nudr-config/v1/import": {
    "post": {
        "tags": [
            "OCUDR CONFIGURATION"
        ],
        "summary": "Starts Bulk Import Of UDR Configuration",
        "description": "Starts Bulk Import Of UDR Configuration.",
        "operationId": "postImportConfiguration",
        "parameters": [
            {
                "name": "managedObjects",
                "in": "query",
                "description": "Managed objects to import. When omitted, all
managed objects in the archive are imported.",
                "required": false,
                "schema": {
                    "type": "array",
                    "items": {
                        "type": "string"
                    }
                }
            }
        ]
    },
    "requestBody": {
        "description": "Import file payload",
        "content": {

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        "multipart/form-data": {
          "schema": {
            "type": "object",
            "properties": {
              "importFile": {
                "type": "string",
                "format": "binary"
              }
            },
            "required": [
              "importFile"
            ]
          }
        },
        "responses": {
          "201": {
            "description": "CREATED",
            "content": {
              "application/json": {
                "schema": {
                  "type": "string"
                }
              }
            }
          },
          "400": {
            "description": "Bad Request",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          },
          "500": {
            "description": "Internal Server Error",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          }
        },
        "deprecated": false
      },
      "get": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Returns Import Resource IDs",
        "description": "Returns Import Resource IDs.",

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```

    "operationId": "getImportConfiguration",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ImportId"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/nudur-config/v1/import/{importResourceId}/status": {
    "get": {
      "parameters": [
        {
          "in": "path",
          "name": "importResourceId",
          "description": "Bulk import resource identifier.",
          "schema": {
            "type": "string"
          },
          "example": "3e470fab-e131-4dbe-be67-ba7391729254",
          "required": true
        }
      ],
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns Bulk Import Status For Import Resource ID",
      "description": "Returns Bulk Import Status For Import Resource ID.",
      "operationId": "getImportStatus",
      "responses": {
        "200": {
          "description": "OK",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ImportStatus"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      }
    }
  }
}

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```

    }
  },
  "deprecated": false
}
},
"/nudr-config/v1/import/{importResourceId}/report": {
  "get": {
    "parameters": [
      {
        "in": "path",
        "name": "importResourceId",
        "description": "Bulk import resource identifier.",
        "schema": {
          "type": "string"
        },
        "example": "3e470fab-e131-4dbe-be67-ba7391729254",
        "required": true
      }
    ],
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Bulk Import Report For Import Resource ID",
    "description": "Returns Bulk Import Report For Import Resource ID.",
    "operationId": "getImportReport",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/octet-stream": {
            "schema": {
              "type": "string",
              "format": "binary"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  }
}

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    }
  },
  "deprecated": false
},
"/nudr-config/v1/nudr-drservice/logging": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Log Level For Data Repository Service",
    "description": "Returns Log Level For Data Repository Service.",
    "operationId": "getLogLevelForDR",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/LogConfiguration"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Log Level For Data Repository Service",
  "description": "Updates Log Level For Data Repository Service.",
  "operationId": "putLogLevelForDr",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/LogConfiguration"
        }
      }
    }
  },
  "description": "Data Repository Service Logging Configuration",
  "required": true
},
"responses": {

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        "201": {
            "description": "CREATED"
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    },
    "deprecated": false
},
"/nudr-config/v1/nudr-notify-service/logging": {
    "get": {
        "tags": [
            "OCUDR CONFIGURATION"
        ],
        "summary": "Returns Log Level For Notify Service",
        "description": "Returns Log Level For Notify Service.",
        "operationId": "getLogLevelForNotify",
        "responses": {
            "200": {
                "description": "OK",
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/LogConfiguration"
                        }
                    }
                }
            }
        }
    }
},

```

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        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "deprecated": false
      },
      "put": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Updates Log Level For Notify Service",
        "description": "Updates Log Level For Notify Service.",
        "operationId": "putLogLevelForNotify",
        "requestBody": {
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/LogConfiguration"
              }
            }
          },
          "description": "Notify Service Logging Configuration",
          "required": true
        },
        "responses": {
          "201": {
            "description": "CREATED"
          },
          "400": {
            "description": "Bad Request",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          },
          "404": {
            "description": "Not Found",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          },
          "500": {

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        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "deprecated": false
    },
    "/nudr-config/v1/nudr-diameterproxy/logging": {
      "get": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Returns Log Level For Diameter Proxy Service",
        "description": "Returns Log Level For Diameter Proxy Service.",
        "operationId": "getLogLevelForDiameter",
        "responses": {
          "200": {
            "description": "OK",
            "content": {
              "application/json": {
                "schema": {
                  "$ref": "#/components/schemas/LogConfiguration"
                }
              }
            }
          },
          "404": {
            "description": "Not Found",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "put": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Updates Log Level For Diameter Proxy Service",
      "description": "Updates Log Level For Diameter Proxy Service.",
      "operationId": "putLogLevelForDiameter",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {

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        "$ref": "#/components/schemas/LogConfiguration"
      }
    },
    "description": "Diameter Proxy Service Logging Configuration",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"/nudr-config/v1/diam-gateway/logging": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Log Level For Diameter Gateway Service",
    "description": "Returns Log Level For Diameter Gateway Service.",
    "operationId": "getLogLevelForDiamgateway",
    "responses": {
      "200": {
        "description": "OK",

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        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/
DiameterGatewayLogConfiguration"
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "deprecated": false
      },
      "put": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Updates Log Level For Diameter Gateway Service",
        "description": "Updates Log Level For Diameter Gateway Service.",
        "operationId": "putLogLevelForDiamgateway",
        "requestBody": {
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/DiameterGatewayLogConfiguration"
              }
            }
          },
          "description": "Diameter Gateway Service Logging Configuration",
          "required": true
        },
        "responses": {
          "201": {
            "description": "CREATED"
          },
          "400": {
            "description": "Bad Request",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          },
          "404": {
            "description": "Not Found",

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        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "deprecated": false
      },
      "/nudr-config/v1/all/logging": {
        "get": {
          "tags": [
            "OCUDR CONFIGURATION"
          ],
          "summary": "Returns Log Level For All Services",
          "description": "Returns Log Level For All Services.",
          "operationId": "getLogLevelForAll",
          "responses": {
            "200": {
              "description": "OK",
              "content": {
                "application/json": {
                  "schema": {
                    "$ref": "#/components/schemas/AllLogs"
                  }
                }
              }
            },
            "404": {
              "description": "Not Found",
              "content": {
                "application/problem+json": {
                  "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                  }
                }
              }
            }
          }
        },
        "deprecated": false
      },
      "/nudr-config/v1/nudr-dr-provservice/logging": {

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    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns Log Level For Data Repository Provisioning
Service",
      "description": "Returns Log Level For Data Repository Provisioning
Service.",
      "operationId": "getLogLevelForDRProv",
      "responses": {
        "200": {
          "description": "OK",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/LogConfiguration"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "put": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Updates Log Level For Data Repository Provisioning
Service",
    "description": "Updates Log Level For Data Repository Provisioning
Service.",
    "operationId": "putLogLevelForDrProv",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/LogConfiguration"
          }
        }
      }
    },
    "description": "Data Repository Provisioning Service Logging
Configuration",
    "required": true
  },
  "responses": {
    "201": {

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        "description": "CREATED"
    },
    "400": {
        "description": "Bad Request",
        "content": {
            "application/problem+json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "404": {
        "description": "Not Found",
        "content": {
            "application/problem+json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "500": {
        "description": "Internal Server Error",
        "content": {
            "application/problem+json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "deprecated": false
},
"/nudr-config/v1/nudr-bulk-import/logging": {
    "get": {
        "tags": [
            "OCUDR CONFIGURATION"
        ],
        "summary": "Returns Log Level For Bulk Import Service",
        "description": "Returns Log Level For Bulk Import Service.",
        "operationId": "getLogLevelForBulkImport",
        "responses": {
            "200": {
                "description": "OK",
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/LogConfiguration"
                        }
                    }
                }
            }
        }
    },
    "404": {

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        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "deprecated": false
    },
    "put": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Updates Log Level For Bulk Import Service",
      "description": "Updates Log Level For Bulk Import Service.",
      "operationId": "putLogLevelForBulkImport",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/LogConfiguration"
            }
          }
        }
      },
      "description": "Bulk Import Service Logging Configuration",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",

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        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "deprecated": false
    },
    "/nudr-config/v1/nudr-export-tool/logging": {
      "get": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Returns Log Level For Export Tool Service",
        "description": "Returns Log Level For Export Tool Service.",
        "operationId": "getLogLevelForExportTool",
        "responses": {
          "200": {
            "description": "OK",
            "content": {
              "application/json": {
                "schema": {
                  "$ref": "#/components/schemas/ExportToolLogConfiguration"
                }
              }
            }
          },
          "404": {
            "description": "Not Found",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "put": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Updates Log Level For Export Tool Service",
      "description": "Updates Log Level For Export Tool Service.",
      "operationId": "putLogLevelForExportTool",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ExportToolLogConfiguration"
            }
          }
        }
      }
    }
  }
}

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        }
      },
      "description": "Export Tool Logging Configuration",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/nudr-config/v1/nudr-config/logging": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns Log Level For Nudr Config Service",
      "description": "Returns Log Level For Nudr Config Service.",
      "operationId": "getLogLevelForNudrConfig",
      "responses": {
        "200": {
          "description": "OK",
          "content": {

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        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/LogConfiguration"
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "put": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Updates Log Level For Nudr Config Service",
    "description": "Updates Log Level For Nudr Config Service.",
    "operationId": "putLogLevelForNudrConfig",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/LogConfiguration"
          }
        }
      }
    },
    "description": "Nudr Config Logging Configuration",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {

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        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"/udr/nf-common-component/v1/igw-sig/logging": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Log Level For Ingress Gateway Signaling Service",
    "description": "Returns Log Level For Ingress Gateway Signaling
Service.",
    "operationId": "getLogLevelForIgwSig",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/GwLogConfiguration"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ]
}

```



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    ],
    "summary": "Updates Log Level For Ingress Gateway Signaling Service",
    "description": "Updates Log Level For Ingress Gateway Signaling
Service.",
    "operationId": "putLogLevelForIgwSig",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/GwLogConfiguration"
          }
        }
      }
    },
    "description": "Ingress Gateway Signaling Service Logging
Configuration",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"patch": {
  "tags": [

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        "OCUDR CONFIGURATION"
    ],
    "summary": "Partially Updates Log Level For Ingress Gateway Signaling
Service",
    "description": "Partially Updates Log Level For Ingress Gateway
Signaling Service.",
    "operationId": "patchLogLevelForIgwSig",
    "requestBody": {
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/GwLogConfiguration"
                }
            }
        }
    },
    "description": "Ingress Gateway Signaling Service Logging
Configuration",
    "required": true
},
"responses": {
    "201": {
        "description": "CREATED"
    },
    "400": {
        "description": "Bad Request",
        "content": {
            "application/problem+json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "404": {
        "description": "Not Found",
        "content": {
            "application/problem+json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "500": {
        "description": "Internal Server Error",
        "content": {
            "application/problem+json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    }
},
"deprecated": false
}

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```

    },
    "/udr/nf-common-component/v1/igw-prov/logging": {
      "get": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Returns Log Level For Ingress Gateway Provisioning Service",
        "description": "Returns Log Level For Ingress Gateway Provisioning Service.",
        "operationId": "getLogLevelForIgwProv",
        "responses": {
          "200": {
            "description": "OK",
            "content": {
              "application/json": {
                "schema": {
                  "$ref": "#/components/schemas/GwLogConfiguration"
                }
              }
            }
          },
          "404": {
            "description": "Not Found",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "put": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Updates Log Level For Ingress Gateway Provisioning Service",
      "description": "Updates Log Level For Ingress Gateway Provisioning Service.",
      "operationId": "putLogLevelForIgwProv",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/GwLogConfiguration"
            }
          }
        }
      },
      "description": "Ingress Gateway Provisioning Service Logging Configuration",
      "required": true
    },
  },

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```

    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "patch": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Partially Updates Log Level For Ingress Gateway
Provisioning Service",
    "description": "Partially Updates Log Level For Ingress Gateway
Provisioning Service.",
    "operationId": "patchLogLevelForIgwProv",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/GwLogConfiguration"
          }
        }
      }
    },
    "description": "Ingress Gateway Provisioning Service Logging
Configuration",

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        "required": true
    },
    "responses": {
        "201": {
            "description": "CREATED"
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    },
    "deprecated": false
},
"/udr/nf-common-component/v1/egw/logging": {
    "get": {
        "tags": [
            "OCUDR CONFIGURATION"
        ],
        "summary": "Returns Log Level For Egress Gateway",
        "description": "Returns Log Level For Egress Gateway.",
        "operationId": "getLogLevelForEgress",
        "responses": {
            "200": {
                "description": "OK",
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/GwLogConfiguration"
                        }
                    }
                }
            }
        }
    }
}

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    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Log Level For Egress Gateway",
  "description": "Updates Log Level For Egress Gateway.",
  "operationId": "putLogLevelForEgress",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/GwLogConfiguration"
        }
      }
    }
  },
  "description": "Egress Gateway Logging Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

```

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    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"patch": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Partially Updates Log Level For Egress Gateway",
  "description": "Partially Updates Log Level For Egress Gateway.",
  "operationId": "patchLogLevelForEgress",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/GwLogConfiguration"
        }
      }
    }
  },
  "description": "Egress Gateway Logging Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

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    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"/udr/nf-common-component/v1/alt-route/logging": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Log Level For Alternate Route Service",
    "description": "Returns Log Level For Alternate Route Service.",
    "operationId": "getLogLevelForAltRoute",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/AltRouteLoggingConfig"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Log Level For Alternate Route Service",
  "description": "Updates Log Level For Alternate Route Service.",
  "operationId": "putLogLevelForAltRoute",
  "requestBody": {
    "content": {

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        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/AltRouteLoggingConfig"
          }
        },
        "description": "Alternate Route Service Logging Configuration",
        "required": true
      },
      "responses": {
        "201": {
          "description": "CREATED"
        },
        "400": {
          "description": "Bad Request",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "patch": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Partially Updates Log Level For Alternate Route Service",
      "description": "Partially Updates Log Level For Alternate Route
Service.",
      "operationId": "patchLogLevelForAltRoute",
      "requestBody": {
        "content": {

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        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/AltRouteLoggingConfig"
          }
        },
        "description": "Alternate Route Service Logging Configuration",
        "required": true
      },
      "responses": {
        "201": {
          "description": "CREATED"
        },
        "400": {
          "description": "Bad Request",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "/udr/nf-common-component/v1/nrf-client-nfmanagement/logging": {
      "get": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Returns Log Level For NRF Client NF Management Service",
        "description": "Returns Log Level For NRF Client NF Management Service.",
        "operationId": "getLogLevelForNrfClientMgm",

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    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/NrfLoggingConfig"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "put": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Updates Log Level For NRF Client NF Management Service",
    "description": "Updates Log Level For NRF Client NF Management
Service.",
    "operationId": "putLogLevelForNrfClientMgm",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/NrfLoggingConfig"
          }
        }
      }
    },
    "description": "NRF Client NF Management Service Logging
Configuration",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  }
}

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    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"patch": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Partially Updates Log Level For NRF Client NF Management
Service",
  "description": "Partially Updates Log Level For NRF Client NF
Management Service.",
  "operationId": "patchLogLevelForNrfClientMgm",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/NrfLoggingConfig"
        }
      }
    }
  },
  "description": "NRF Client NF Management Service Logging
Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

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    }
  }
},
"404": {
  "description": "Not Found",
  "content": {
    "application/problem+json": {
      "schema": {
        "$ref": "#/components/schemas/ProblemDetails"
      }
    }
  }
},
"500": {
  "description": "Internal Server Error",
  "content": {
    "application/problem+json": {
      "schema": {
        "$ref": "#/components/schemas/ProblemDetails"
      }
    }
  }
},
"deprecated": false
},
"/udr/nf-common-component/v1/perf-info/logging": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Log Level For Perf Info Service",
    "description": "Returns Log Level For Perf Info Service.",
    "operationId": "getLogLevelForPerfInfo",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/LoggingConfig"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  }
}

```

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    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Log Level For Perf Info Service",
  "description": "Updates Log Level For Perf Info Service.",
  "operationId": "putLogLevelForPerfInfo",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/LoggingConfig"
        }
      }
    }
  },
  "description": "Perf Info Service Logging Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}
}

```

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    },
    "deprecated": false
  },
  "patch": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Partially Updates Log Level For Perf Info Service",
    "description": "Partially Updates Log Level For Perf Info Service.",
    "operationId": "patchLogLevelForPerfInfo",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/LoggingConfig"
          }
        }
      }
    },
    "description": "Perf Info Service Logging Configuration",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  }
},

```

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        "deprecated": false
    },
    "/udr/nf-common-component/v1/egw/configurableerrorcodes": {
        "get": {
            "tags": [
                "OCUDR CONFIGURATION"
            ],
            "summary": "Returns Configurable Error Codes For Egress Gateway
Service",
            "description": "Returns Configurable Error Codes For Egress Gateway
Service.",
            "operationId": "getConfigurableErrorCodesEgw",
            "responses": {
                "200": {
                    "description": "OK",
                    "content": {
                        "application/json": {
                            "schema": {
                                "$ref": "#/components/schemas/EgwConfigurableErrorCodes"
                            }
                        }
                    }
                },
                "404": {
                    "description": "Not Found",
                    "content": {
                        "application/problem+json": {
                            "schema": {
                                "$ref": "#/components/schemas/ProblemDetails"
                            }
                        }
                    }
                },
                "500": {
                    "description": "Internal Server Error",
                    "content": {
                        "application/problem+json": {
                            "schema": {
                                "$ref": "#/components/schemas/ProblemDetails"
                            }
                        }
                    }
                }
            }
        },
        "deprecated": false
    },
    "put": {
        "tags": [
            "OCUDR CONFIGURATION"
        ],
        "summary": "Updates Configurable Error Codes For Egress Gateway
Service",
        "description": "Updates Configurable Error Codes For Egress Gateway
Service.",
        "operationId": "putConfigurableErrorCodesEgw",

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    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/EgwConfigurableErrorCodes"
          }
        }
      },
      "description": "Egress Gateway Configurable Error Codes
Configuration",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "patch": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Partially Updates Configurable Error Codes For Egress
Gateway Service",
    "description": "Partially Updates Configurable Error Codes For Egress

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Gateway Service.",
  "operationId": "patchConfigurableErrorCodesEgw",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/EgwConfigurableErrorCodes"
        }
      }
    },
    "description": "Egress Gateway Configurable Error Codes
Configuration",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"/udr/nf-common-component/v1/egw/errorcodeprofiles": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ]
  }
}

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    ],
    "summary": "Returns Error Code Profiles For Egress Gateway Service",
    "description": "Returns Error Code Profiles For Egress Gateway
Service.",
    "operationId": "getErrorCodeProfilesEgw",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ErrorCodeProfiles"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "put": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Updates Error Code Profiles For Egress Gateway Service",
    "description": "Updates Error Code Profiles For Egress Gateway
Service.",
    "operationId": "putErrorCodeProfilesEgw",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ErrorCodeProfiles"
          }
        }
      }
    },
    "description": "Egress Gateway Error Code Profiles Configuration",

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        "required": true
      },
      "responses": {
        "201": {
          "description": "CREATED"
        },
        "400": {
          "description": "Bad Request",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "patch": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Partially Updates Error Code Profiles For Egress Gateway Service",
      "description": "Partially Updates Error Code Profiles For Egress Gateway Service.",
      "operationId": "patchErrorCodeProfilesEgw",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ErrorCodeProfiles"
            }
          }
        }
      }
    }
  },

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        "description": "Egress Gateway Error Code Profiles Configuration",
        "required": true
    },
    "responses": {
        "201": {
            "description": "CREATED"
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    },
    "deprecated": false
},
"/udr/nf-common-component/v1/egw/peerconfiguration": {
    "get": {
        "tags": [
            "OCUDR CONFIGURATION"
        ],
        "summary": "Returns Peer Configuration For Egress Gateway Service",
        "description": "Returns Peer Configuration For Egress Gateway
Service.",
        "operationId": "getPeerConfigurationEgw",
        "responses": {
            "200": {
                "description": "OK",
                "content": {
                    "application/json": {
                        "schema": {

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        "$ref": "#/components/schemas/PeerConfiguration"
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
},
"deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Peer Configuration For Egress Gateway Service",
  "description": "Updates Peer Configuration For Egress Gateway
Service.",
  "operationId": "putPeerConfigurationEgw",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/PeerConfiguration"
        }
      }
    }
  },
  "description": "Egress Gateway Peer Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {

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        "$ref": "#/components/schemas/ProblemDetails"
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"patch": {
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  ],
  "summary": "Partially Updates Peer Configuration For Egress Gateway
Service",
  "description": "Partially Updates Peer Configuration For Egress
Gateway Service.",
  "operationId": "patchPeerConfigurationEgw",
  "requestBody": {
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      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/PeerConfiguration"
        }
      }
    }
  },
  "description": "Egress Gateway Peer Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {

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        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      },
    },
    "404": {
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      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
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  "deprecated": false
},
"/udr/nf-common-component/v1/egw/peerSetConfiguration": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Peer Set Configuration For Egress Gateway Service",
    "description": "Returns Peer Set Configuration For Egress Gateway Service.",
    "operationId": "getPeerSetConfigurationEgw",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/PeerSetConfiguration"
            }
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {

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        "$ref": "#/components/schemas/ProblemDetails"
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
},
"deprecated": false
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"put": {
  "tags": [
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  ],
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Service",
  "description": "Updates Peer Set Configuration For Egress Gateway
Service.",
  "operationId": "putPeerSetConfigurationEgw",
  "requestBody": {
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        "schema": {
          "$ref": "#/components/schemas/PeerSetConfiguration"
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      }
    }
  },
  "description": "Egress Gateway Peer Set Configuration",
  "required": true
},
"responses": {
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  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {

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        "schema": {
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        }
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    },
    "500": {
      "description": "Internal Server Error",
      "content": {
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            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
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Gateway Service",
  "description": "Partially Updates Peer Set Configuration For Egress
Gateway Service.",
  "operationId": "patchPeerSetConfigurationEgw",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/PeerSetConfiguration"
        }
      }
    }
  },
  "description": "Egress Gateway Peer Set Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {

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        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      },
    },
    "500": {
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      "content": {
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  },
  "deprecated": false
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"/udr/nf-common-component/v1/egw/retryprofile": {
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    "summary": "Returns Retry Profile For Egress Gateway Service",
    "description": "Returns Retry Profile For Egress Gateway Service.",
    "operationId": "getRetryProfileEgw",
    "responses": {
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        "content": {
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            "schema": {
              "$ref": "#/components/schemas/RetryProfile"
            }
          }
        }
      },
      "404": {
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        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
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      }
    }
  }
}

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}
},
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        "schema": {
          "$ref": "#/components/schemas/RetryProfile"
        }
      }
    },
    "description": "Egress Gateway Retry Profile",
    "required": true
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  "responses": {
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    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
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      "content": {
        "application/problem+json": {
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            "$ref": "#/components/schemas/ProblemDetails"
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    }
  }
}

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Service",
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Service.",
    "operationId": "patchRetryProfileEgw",
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      "description": "Egress Gateway Retry Profile",
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      "400": {
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        "content": {
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            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
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        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  }
}

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    }
  }
}
},
"deprecated": false
}
},
"/udr/nf-common-component/v1/egw/routesconfiguration": {
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    ],
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    "description": "Returns Routes Configuration For Egress Gateway
Service.",
    "operationId": "getRoutesConfigurationEgw",
    "responses": {
      "200": {
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        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/EGWRoutesConfiguration"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
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            }
          }
        }
      }
    }
  },
  "deprecated": false
},
"put": {
  "tags": [
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  ],
  "summary": "Updates Routes Configuration For Egress Gateway Service",

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Service.",
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        "requestBody": {
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                        "$ref": "#/components/schemas/EGWRoutesConfiguration"
                    }
                }
            },
            "description": "Egress Gateway Routes Configuration",
            "required": true
        },
        "responses": {
            "201": {
                "description": "CREATED"
            },
            "400": {
                "description": "Bad Request",
                "content": {
                    "application/problem+json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            },
            "404": {
                "description": "Not Found",
                "content": {
                    "application/problem+json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            },
            "500": {
                "description": "Internal Server Error",
                "content": {
                    "application/problem+json": {
                        "schema": {
                            "$ref": "#/components/schemas/ProblemDetails"
                        }
                    }
                }
            }
        },
        "deprecated": false
    },
    "patch": {
        "tags": [
            "OCUDR CONFIGURATION"
        ],
        "summary": "Partially Updates Routes Configuration For Egress Gateway

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Gateway Service.",
  "operationId": "patchRoutesConfigurationEgw",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/EGWRoutesConfiguration"
        }
      }
    },
    "description": "Egress Gateway Routes Configuration",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"/udr/nf-common-component/v1/egw/sbiroutingerroractionsets": {
  "get": {
    "tags": [

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```

        "OCUDR CONFIGURATION"
    ],
    "summary": "Returns SBI Routing Error Action Sets For Egress Gateway
Service",
    "description": "Returns SBI Routing Error Action Sets For Egress
Gateway Service.",
    "operationId": "getSbiRoutingErrorActionSetsEgw",
    "responses": {
        "200": {
            "description": "OK",
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/EGWSbiRoutingErrorActionSets"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    },
    "deprecated": false
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    ],
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Service",
    "description": "Updates SBI Routing Error Action Sets For Egress
Gateway Service.",
    "operationId": "putSbiRoutingErrorActionSetsEgw",
    "requestBody": {
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/EGWSbiRoutingErrorActionSets"
                }
            }
        }
    }
}

```

```

    }
  },
  "description": "Egress Gateway SBI Routing Error Action Sets",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
},
"deprecated": false
},
"patch": {
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Egress Gateway Service",
  "description": "Partially Updates SBI Routing Error Action Sets For
Egress Gateway Service.",
  "operationId": "patchSbiRoutingErrorActionSetsEgw",
  "requestBody": {
    "content": {
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        "schema": {
          "$ref": "#/components/schemas/EGWSbiRoutingErrorActionSets"
        }
      }
    }
  }
}

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```

        }
      },
      "description": "Egress Gateway SBI Routing Error Action Sets",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
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        "content": {
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            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/udr/nf-common-component/v1/egw/sbiroutingerrorcriteriasets": {
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      "tags": [
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      ],
      "summary": "Returns SBI Routing Error Criteria Sets For Egress
Gateway Service",
      "description": "Returns SBI Routing Error Criteria Sets For Egress
Gateway Service.",
      "operationId": "getSbiRoutingErrorCriteriaSetsEgw",
      "responses": {
        "200": {

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        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/
EGWSbiRoutingErrorCriteriaSets"
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "deprecated": false
      },
      "put": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Updates SBI Routing Error Criteria Sets For Egress
Gateway Service",
        "description": "Updates SBI Routing Error Criteria Sets For Egress
Gateway Service.",
        "operationId": "putSbiRoutingErrorCriteriaSetsEgw",
        "requestBody": {
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/EGWSbiRoutingErrorCriteriaSets"
              }
            }
          }
        },
        "description": "Egress Gateway SBI Routing Error Criteria Sets",
        "required": true
      },
      "responses": {
        "201": {
          "description": "CREATED"
        }
      }
    }
  }
}

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```

    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "deprecated": false
  },
  "patch": {
    "tags": [
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    ],
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Egress Gateway Service",
    "description": "Partially Updates SBI Routing Error Criteria Sets For  
Egress Gateway Service.",
    "operationId": "patchSbiRoutingErrorCriteriaSetsEgw",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/EGWSbiRoutingErrorCriteriaSets"
          }
        }
      }
    },
    "description": "Egress Gateway SBI Routing Error Criteria Sets",
    "required": true
  },
  "responses": {
    "201": {

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```

        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/udr/nf-common-component/v1/egw/useragentheader": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns User Agent Header Generation For Egress Gateway Service",
      "description": "Returns User Agent Header Generation For Egress Gateway Service.",
      "operationId": "getUserAgentHeaderEgw",
      "responses": {
        "200": {
          "description": "OK",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/UserAgentHeaderGeneration"
              }
            }
          }
        }
      }
    }
  }
}

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    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
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  ],
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Service",
  "description": "Updates User Agent Header Generation For Egress
Gateway Service.",
  "operationId": "putUserAgentHeaderEgw",
  "requestBody": {
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        "schema": {
          "$ref": "#/components/schemas/UserAgentHeaderGeneration"
        }
      }
    }
  },
  "description": "Egress Gateway User Agent Header Generation",
  "required": true
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  },
  "400": {
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    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

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    }
  },
  "404": {
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    "content": {
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        "schema": {
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        }
      }
    }
  },
  "500": {
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    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecatd": false
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  "tags": [
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  ],
  "summary": "Partially Updates User Agent Header Generation For Egress
Gateway Service",
  "description": "Partially Updates User Agent Header Generation For
Egress Gateway Service.",
  "operationId": "patchUserAgentHeaderEgw",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/UserAgentHeaderGeneration"
        }
      }
    }
  },
  "description": "Egress Gateway User Agent Header Generation",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

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    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"/udr/nf-common-component/v1/igw-prov/configurableerrorcodes": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Configurable Error Codes For Ingress Gateway Provisioning Service",
    "description": "Returns Configurable Error Codes For Ingress Gateway Provisioning Service.",
    "operationId": "getConfigurableErrorCodesIgwProv",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ConfigurableErrorCodes"
            }
          }
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

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    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Configurable Error Codes For Ingress Gateway
Provisioning Service",
  "description": "Updates Configurable Error Codes For Ingress Gateway
Provisioning Service.",
  "operationId": "putConfigurableErrorCodesIgwProv",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/ConfigurableErrorCodes"
        }
      }
    }
  },
  "description": "Ingress Gateway Provisioning Service Configurable
Error Codes",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

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    }
  }
},
"500": {
  "description": "Internal Server Error",
  "content": {
    "application/problem+json": {
      "schema": {
        "$ref": "#/components/schemas/ProblemDetails"
      }
    }
  }
},
},
"deprecated": false
},
"patch": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Partially Updates Configurable Error Codes For Ingress
Gateway Provisioning Service",
  "description": "Partially Updates Configurable Error Codes For
Ingress Gateway Provisioning Service.",
  "operationId": "patchConfigurableErrorCodesIgwProv",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/ConfigurableErrorCodes"
        }
      }
    }
  },
  "description": "Ingress Gateway Provisioning Service Configurable
Error Codes",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {

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        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"/udr/nf-common-component/v1/igw-prov/controlledshutdownerrormapping": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Controlled Shutdown Error Mapping For Ingress
Gateway Provisioning Service",
    "description": "Returns Controlled Shutdown Error Mapping For Ingress
Gateway Provisioning Service.",
    "operationId": "getControlledShutdownErrorMappingIgwProv",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/
ControlledShutdownErrorMapping"
            }
          }
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {

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        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    },
    "deprecated": false
  },
  "put": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Updates Controlled Shutdown Error Mapping For Ingress
Gateway Provisioning Service",
    "description": "Updates Controlled Shutdown Error Mapping For Ingress
Gateway Provisioning Service.",
    "operationId": "putControlledShutdownErrorMappingIgwProv",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ControlledShutdownErrorMapping"
          }
        }
      },
      "description": "Ingress Gateway Provisioning Service Controlled
Shutdown Error Mapping",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",

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        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "deprecated": false
    },
    "patch": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Partially Updates Controlled Shutdown Error Mapping For
Ingress Gateway Provisioning Service",
      "description": "Partially Updates Controlled Shutdown Error Mapping
For Ingress Gateway Provisioning Service.",
      "operationId": "patchControlledShutdownErrorMappingIgwProv",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ControlledShutdownErrorMapping"
            }
          }
        }
      },
      "description": "Ingress Gateway Provisioning Service Controlled
Shutdown Error Mapping",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  },
},

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        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "deprecated": false
      },
      "/udr/nf-common-component/v1/igw-prov/ocpolicymapping": {
        "get": {
          "tags": [
            "OCUDR CONFIGURATION"
          ],
          "summary": "Returns OC Policy Mapping For Ingress Gateway Provisioning Service",
          "description": "Returns OC Policy Mapping For Ingress Gateway Provisioning Service.",
          "operationId": "getOcPolicyMappingIgwProv",
          "responses": {
            "200": {
              "description": "OK",
              "content": {
                "application/json": {
                  "schema": {
                    "$ref": "#/components/schemas/OCPolicyMapping"
                  }
                }
              }
            },
            "404": {
              "description": "Not Found",
              "content": {
                "application/problem+json": {
                  "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                  }
                }
              }
            },
            "500": {
              "description": "Internal Server Error",
              "content": {
                "application/problem+json": {
                  "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                  }
                }
              }
            }
          }
        }
      }
    },
  },

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        "deprecated": false
    },
    "put": {
        "tags": [
            "OCUDR CONFIGURATION"
        ],
        "summary": "Updates OC Policy Mapping For Ingress Gateway Provisioning Service",
        "description": "Updates OC Policy Mapping For Ingress Gateway Provisioning Service.",
        "operationId": "putOcPolicyMappingIgwProv",
        "requestBody": {
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/OCPolicyMapping"
                    }
                }
            }
        },
        "description": "Ingress Gateway Provisioning OC Policy Mapping Configuration",
        "required": true
    },
    "responses": {
        "201": {
            "description": "CREATED"
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    }
}

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    }
  },
  "deprecated": false
},
"patch": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Partially Updates OC Policy Mapping For Ingress Gateway
Provisioning Service",
  "description": "Partially Updates OC Policy Mapping For Ingress
Gateway Provisioning Service.",
  "operationId": "patchOcPolicyMappingIgwProv",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/OCPolicyMapping"
        }
      }
    }
  },
  "description": "Ingress Gateway Provisioning OC Policy Mapping
Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

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    }
  }
},
"deprecated": false
}
},
"/udr/nf-common-component/v1/igw-prov/errorcodeprofiles": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Error Code Profiles For Ingress Gateway
Provisioning Service",
    "description": "Returns Error Code Profiles For Ingress Gateway
Provisioning Service.",
    "operationId": "getErrorCodeProfilesIgwProv",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ErrorCodeProfiles"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Error Code Profiles For Ingress Gateway

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Provisioning Service",
  "description": "Updates Error Code Profiles For Ingress Gateway
Provisioning Service.",
  "operationId": "putErrorCodeProfilesIgwProv",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/ErrorCodeProfiles"
        }
      }
    },
    "description": "Ingress Gateway Provisioning Error Code Profiles
Configuration",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"patch": {
  "tags": [
    "OCUDR CONFIGURATION"
  ]
}

```

```

    },
    "summary": "Partially Updates Error Code Profiles For Ingress Gateway
Provisioning Service",
    "description": "Partially Updates Error Code Profiles For Ingress
Gateway Provisioning Service.",
    "operationId": "patchErrorCodeProfilesIgwProv",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ErrorCodeProfiles"
          }
        }
      }
    },
    "description": "Ingress Gateway Provisioning Error Code Profiles
Configuration",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
},

```

```

"/udr/nf-common-component/v1/igw-prov/errorcodeserieslist": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Error Code Series List For Ingress Gateway
Provisioning Service",
    "description": "Returns Error Code Series List For Ingress Gateway
Provisioning Service.",
    "operationId": "getErrorCodeSeriesListIgwProv",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ErrorCodeSeriesList"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "put": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Updates Error Code Series List For Ingress Gateway
Provisioning Service",
    "description": "Updates Error Code Series List For Ingress Gateway
Provisioning Service.",
    "operationId": "putErrorCodeSeriesListIgwProv",
    "requestBody": {
      "content": {
        "application/json": {

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        "schema": {
          "$ref": "#/components/schemas/ErrorCodeSeriesList"
        }
      },
      "description": "Ingress Gateway Provisioning Error Code Series List
Configuration",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "patch": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Partially Updates Error Code Series List For Ingress
Gateway Provisioning Service",
    "description": "Partially Updates Error Code Series List For Ingress
Gateway Provisioning Service.",
    "operationId": "patchErrorCodeSeriesListIgwProv",
    "requestBody": {

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        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ErrorCodeSeriesList"
            }
          }
        },
        "description": "Ingress Gateway Provisioning Error Code Series List
Configuration",
        "required": true
      },
      "responses": {
        "201": {
          "description": "CREATED"
        },
        "400": {
          "description": "Bad Request",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    }
  },
  "/udr/nf-common-component/v1/igw-prov/oauthvalidatorconfiguration": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns OAuth Validator Configuration For Ingress Gateway
Provisioning Service",

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      "description": "Returns OAuth Validator Configuration For Ingress
Gateway Provisioning Service.",
      "operationId": "getOAuthValidatorConfigurationIgwProv",
      "responses": {
        "200": {
          "description": "OK",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/OAuthValidatorConfiguration"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "put": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Updates OAuth Validator Configuration For Ingress Gateway
Provisioning Service",
      "description": "Updates OAuth Validator Configuration For Ingress
Gateway Provisioning Service.",
      "operationId": "putOAuthValidatorConfigurationIgwProv",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/OAuthValidatorConfiguration"
            }
          }
        }
      },
      "description": "Ingress Gateway Provisioning OAuth Validator
Configuration",

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        "required": true
      },
      "responses": {
        "201": {
          "description": "CREATED"
        },
        "400": {
          "description": "Bad Request",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "patch": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Partially Updates OAuth Validator Configuration For Ingress Gateway Provisioning Service",
      "description": "Partially Updates OAuth Validator Configuration For Ingress Gateway Provisioning Service.",
      "operationId": "patchOAuthValidatorConfigurationIgwProv",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/OAuthValidatorConfiguration"
            }
          }
        }
      }
    }
  },

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```

        "description": "Ingress Gateway Provisioning OAuth Validator
Configuration",
        "required": true
    },
    "responses": {
        "201": {
            "description": "CREATED"
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    },
    "deprecated": false
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"/udr/nf-common-component/v1/igw-prov/ocdiscardpolicies": {
    "get": {
        "tags": [
            "OCUDR CONFIGURATION"
        ],
        "summary": "Returns OC Discard Policies For Ingress Gateway
Provisioning Service",
        "description": "Returns OC Discard Policies For Ingress Gateway
Provisioning Service.",
        "operationId": "getOcDiscardPoliciesIgwProv",
        "responses": {
            "200": {
                "description": "OK",
                "content": {

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        "application/json": {
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            "$ref": "#/components/schemas/OCDiscardPolicies"
          }
        }
      },
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        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
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            }
          }
        }
      }
    },
    "deprecated": false
  },
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    "tags": [
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    ],
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    "description": "Updates OC Discard Policies For Ingress Gateway Provisioning Service.",
    "operationId": "putOcDiscardPoliciesIgwProv",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/OCDiscardPolicies"
          }
        }
      }
    },
    "description": "Ingress Gateway Provisioning OC Discard Policies Configuration",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {

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        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "patch": {
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      "OCUDR CONFIGURATION"
    ],
    "summary": "Partially Updates OC Discard Policies For Ingress Gateway Provisioning Service",
    "description": "Partially Updates OC Discard Policies For Ingress Gateway Provisioning Service.",
    "operationId": "patchOcDiscardPoliciesIgwProv",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/OCDiscardPolicies"
          }
        }
      }
    },
    "description": "Ingress Gateway Provisioning OC Discard Policies Configuration",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    }
  }
}

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    },
    "400": {
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      "content": {
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        }
      }
    },
    "404": {
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      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
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"/udr/nf-common-component/v1/igw-prov/readinessconfig": {
  "get": {
    "tags": [
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    ],
    "summary": "Returns Readiness Configuration For Ingress Gateway Provisioning Service",
    "description": "Returns Readiness Configuration For Ingress Gateway Provisioning Service.",
    "operationId": "getReadinessConfigIgwProv",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ReadinessConfig"
            }
          }
        }
      }
    }
  }
},

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    "404": {
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      "content": {
        "application/problem+json": {
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            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
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      "content": {
        "application/problem+json": {
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            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
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"put": {
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  "description": "Updates Readiness Configuration For Ingress Gateway Provisioning Service.",
  "operationId": "putReadinessConfigIgwProv",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/ReadinessConfig"
        }
      }
    }
  },
  "description": "Ingress Gateway Provisioning Readiness Configuration",
  "required": true
},
"responses": {
  "201": {
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  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

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    }
  },
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    "content": {
      "application/problem+json": {
        "schema": {
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        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
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        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecatd": false
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Gateway Provisioning Service",
  "description": "Partially Updates Readiness Configuration For Ingress
Gateway Provisioning Service.",
  "operationId": "patchReadinessConfigIgwProv",
  "requestBody": {
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        "schema": {
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        }
      }
    }
  },
  "description": "Ingress Gateway Provisioning Readiness
Configuration",
  "required": true
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  },
  "400": {
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    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

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        }
      }
    },
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      "content": {
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      "content": {
        "application/problem+json": {
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          }
        }
      }
    }
  },
  "deprecated": false
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  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Route Level Rate Limiting Configuration For
Ingress Gateway Provisioning Service",
    "description": "Returns Route Level Rate Limiting Configuration For
Ingress Gateway Provisioning Service.",
    "operationId": "getRouteLevelRateLimitingIgwProv",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/RouteLevelRateLimiting"
            }
          }
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

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    }
  },
  "500": {
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    "content": {
      "application/problem+json": {
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  "deprecated": false
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Ingress Gateway Provisioning Service.",
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    }
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Limiting Configuration",
  "required": true
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"responses": {
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  },
  "400": {
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    "content": {
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        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {

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        "$ref": "#/components/schemas/ProblemDetails"
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    }
  },
  "500": {
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    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
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"deprecated": false
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For Ingress Gateway Provisioning Service",
  "description": "Partially Updates Route Level Rate Limiting
Configuration For Ingress Gateway Provisioning Service.",
  "operationId": "patchRouteLevelRateLimitingIgwProv",
  "requestBody": {
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        "schema": {
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        }
      }
    }
  },
  "description": "Ingress Gateway Provisioning Route Level Rate
Limiting Configuration",
  "required": true
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  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {

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        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
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      "tags": [
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      "summary": "Returns Routes Configuration For Ingress Gateway Provisioning Service",
      "description": "Returns Routes Configuration For Ingress Gateway Provisioning Service.",
      "operationId": "getRoutesConfigurationIgwProv",
      "responses": {
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          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/IGWRoutesConfiguration"
              }
            }
          }
        },
        "404": {
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          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {

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        "schema": {
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    "tags": [
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    "operationId": "putRoutesConfigurationIgwProv",
    "requestBody": {
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          "schema": {
            "$ref": "#/components/schemas/IGWRoutesConfiguration"
          }
        }
      },
      "description": "Ingress Gateway Provisioning Routes Configuration",
      "required": true
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    "responses": {
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        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {

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        "application/problem+json": {
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                "$ref": "#/components/schemas/ProblemDetails"
            }
        }
    },
    "deprecated": false
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Gateway Provisioning Service",
    "description": "Partially Updates Routes Configuration For Ingress
Gateway Provisioning Service.",
    "operationId": "patchRoutesConfigurationIgwProv",
    "requestBody": {
        "content": {
            "application/json": {
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                }
            }
        },
        "description": "Ingress Gateway Provisioning Routes Configuration",
        "required": true
    },
    "responses": {
        "201": {
            "description": "CREATED"
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",

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        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "deprecated": false
    },
    "/udr/nf-common-component/v1/igw-sig/oauthvalidatorconfiguration": {
      "get": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Returns OAuth Validator Configuration For Ingress Gateway Signaling Service",
        "description": "Returns OAuth Validator Configuration For Ingress Gateway Signaling Service.",
        "operationId": "getOAuthValidatorConfigurationIgwSig",
        "responses": {
          "200": {
            "description": "OK",
            "content": {
              "application/json": {
                "schema": {
                  "$ref": "#/components/schemas/OAuthValidatorConfiguration"
                }
              }
            }
          },
          "404": {
            "description": "Not Found",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          },
          "500": {
            "description": "Internal Server Error",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          }
        }
      },
      "deprecated": false
    },
  },

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    "put": {
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      ],
      "summary": "Updates OAuth Validator Configuration For Ingress Gateway
Signaling Service",
      "description": "Updates OAuth Validator Configuration For Ingress
Gateway Signaling Service.",
      "operationId": "putOAuthValidatorConfigurationIgwSig",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/OAuthValidatorConfiguration"
            }
          }
        },
        "description": "Ingress Gateway Signaling OAuth Validator
Configuration",
        "required": true
      },
      "responses": {
        "201": {
          "description": "CREATED"
        },
        "400": {
          "description": "Bad Request",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      }
    },
  },
}

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        "deprecated": false
      },
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        ],
        "summary": "Partially Updates OAuth Validator Configuration For
Ingress Gateway Signaling Service",
        "description": "Partially Updates OAuth Validator Configuration For
Ingress Gateway Signaling Service.",
        "operationId": "patchOAuthValidatorConfigurationIgwSig",
        "requestBody": {
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/OAuthValidatorConfiguration"
              }
            }
          },
          "description": "Ingress Gateway Signaling OAuth Validator
Configuration",
          "required": true
        },
        "responses": {
          "201": {
            "description": "CREATED"
          },
          "400": {
            "description": "Bad Request",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          },
          "404": {
            "description": "Not Found",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          },
          "500": {
            "description": "Internal Server Error",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          }
        }
      }
    }
  }

```



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    }
  },
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},
"/udr/nf-common-component/v1/igw-sig/serverheaderdetails": {
  "get": {
    "tags": [
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    ],
    "summary": "Returns Server Header Details For Ingress Gateway
Signaling Service",
    "description": "Returns Server Header Details For Ingress Gateway
Signaling Service.",
    "operationId": "getServerHeaderDetailsIgwSig",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ServerHeaderDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Server Header Details For Ingress Gateway
Signaling Service",
  "description": "Updates Server Header Details For Ingress Gateway

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    Signaling Service.",
    "operationId": "putServerHeaderDetailsIgwSig",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ServerHeaderDetails"
          }
        }
      },
      "description": "Ingress Gateway Signaling Server Header Details
Configuration",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
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            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "patch": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Partially Updates Server Header Details For Ingress

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Gateway Signaling Service",
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Gateway Signaling Service.",
  "operationId": "patchServerHeaderDetailsIgwSig",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/ServerHeaderDetails"
        }
      }
    },
    "description": "Ingress Gateway Signaling Server Header Details
Configuration",
    "required": true
  },
  "responses": {
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    },
    "400": {
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      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"/udr/nf-common-component/v1/igw-sig/useragentheadervalidation": {
  "get": {

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```

    "tags": [
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    ],
    "summary": "Returns User Agent Header Validation Configuration For
Ingress Gateway Signaling Service",
    "description": "Returns User Agent Header Validation Configuration
For Ingress Gateway Signaling Service.",
    "operationId": "getUserAgentHeaderValidation",
    "responses": {
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        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/UserAgentHeaderValidation"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "put": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Updates User Agent Header Validation Configuration For
Ingress Gateway Signaling Service",
    "description": "Updates User Agent Header Validation Configuration
For Ingress Gateway Signaling Service.",
    "operationId": "putUserAgentHeaderValidation",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/UserAgentHeaderValidation"
          }
        }
      }
    }
  }
}

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        }
      },
      "description": "Ingress Gateway Signaling User Agent Header
Validation Configuration",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "patch": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Partially Updates User Agent Header Validation
Configuration For Ingress Gateway Signaling Service",
    "description": "Partially Updates User Agent Header Validation
Configuration For Ingress Gateway Signaling Service.",
    "operationId": "patchUserAgentHeaderValidation",
    "requestBody": {
      "content": {
        "application/json": {

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        "schema": {
          "$ref": "#/components/schemas/UserAgentHeaderValidation"
        }
      },
      "description": "Ingress Gateway Signaling User Agent Header
Validation Configuration",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/udr/nf-common-component/v1/igw-sig/congestionConfig": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns Congestion Configuration For Ingress Gateway
Signaling Service",
      "description": "Returns Congestion Configuration For Ingress Gateway
Signaling Service.",

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    "operationId": "getCongestionConfigIgwSig",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/CongestionConfig"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "put": {
    "tags": [
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    ],
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    "description": "Updates Congestion Configuration For Ingress Gateway Signaling Service.",
    "operationId": "putCongestionConfigIgwSig",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/CongestionConfig"
          }
        }
      }
    },
    "description": "Ingress Gateway Signaling Congestion Configuration",
    "required": true
  },
  "responses": {

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    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"patch": {
  "tags": [
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  ],
  "summary": "Partially Updates Congestion Configuration For Ingress
Gateway Signaling Service",
  "description": "Partially Updates Congestion Configuration For
Ingress Gateway Signaling Service.",
  "operationId": "patchCongestionConfigIgwSig",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/CongestionConfig"
        }
      }
    }
  },
  "description": "Ingress Gateway Signaling Congestion Configuration",
  "required": true
},

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    "responses": {
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        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/udr/nf-common-component/v1/igw-sig/podProtectionByRateLimiting": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns Pod Protection By Rate Limiting Configuration For Ingress Gateway Signaling Service",
      "description": "Returns Pod Protection By Rate Limiting Configuration For Ingress Gateway Signaling Service.",
      "operationId": "getPodProtectionByRateLimitingIgwSig",
      "responses": {
        "200": {
          "description": "OK",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/PodProtectionByRateLimiting"
              }
            }
          }
        }
      }
    }
  }
}

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    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Pod Protection By Rate Limiting Configuration For
Ingress Gateway Signaling Service",
  "description": "Updates Pod Protection By Rate Limiting Configuration
For Ingress Gateway Signaling Service.",
  "operationId": "putPodProtectionByRateLimitingIgwSig",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/PodProtectionByRateLimiting"
        }
      }
    }
  },
  "description": "Ingress Gateway Signaling Pod Protection By Rate
Limiting Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {

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        "$ref": "#/components/schemas/ProblemDetails"
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"patch": {
  "tags": [
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  ],
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Configuration For Ingress Gateway Signaling Service",
  "description": "Partially Updates Pod Protection By Rate Limiting
Configuration For Ingress Gateway Signaling Service.",
  "operationId": "patchPodProtectionByRateLimitingIgwSig",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/PodProtectionByRateLimiting"
        }
      }
    }
  },
  "description": "Ingress Gateway Signaling Pod Protection By Rate
Limiting Configuration",
  "required": true
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"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {

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        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/udr/nf-common-component/v1/igw-sig/configurableerrorcodes": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns Configurable Error Codes For Ingress Gateway  
Signaling Service",
      "description": "Returns Configurable Error Codes For Ingress Gateway  
Signaling Service.",
      "operationId": "getConfigurableErrorCodesIgwSig",
      "responses": {
        "200": {
          "description": "OK",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ConfigurableErrorCodes"
              }
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {

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        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Configurable Error Codes For Ingress Gateway
Signaling Service",
  "description": "Updates Configurable Error Codes For Ingress Gateway
Signaling Service.",
  "operationId": "putConfigurableErrorCodesIgwSig",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/ConfigurableErrorCodes"
        }
      }
    }
  },
  "description": "Ingress Gateway Signaling Configurable Error Codes
Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",

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        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        },
        "500": {
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          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "deprecated": false
      },
      "patch": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Partially Updates Configurable Error Codes For Ingress
Gateway Signaling Service",
        "description": "Partially Updates Configurable Error Codes For
Ingress Gateway Signaling Service.",
        "operationId": "patchConfigurableErrorCodesIgwSig",
        "requestBody": {
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ConfigurableErrorCodes"
              }
            }
          },
          "description": "Ingress Gateway Signaling Configurable Error Codes
Configuration",
          "required": true
        },
        "responses": {
          "201": {
            "description": "CREATED"
          },
          "400": {
            "description": "Bad Request",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          }
        }
      },
    },
  },

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        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "/udr/nf-common-component/v1/igw-sig/ocpolicymapping": {
      "get": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Returns OC Policy Mapping For Ingress Gateway Signaling Service",
        "description": "Returns OC Policy Mapping For Ingress Gateway Signaling Service.",
        "operationId": "getOcPolicyMappingIgwSig",
        "responses": {
          "200": {
            "description": "OK",
            "content": {
              "application/json": {
                "schema": {
                  "$ref": "#/components/schemas/OCPolicyMapping"
                }
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {

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        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "deprecated": false
    },
    "put": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Updates OC Policy Mapping For Ingress Gateway Signaling
Service",
      "description": "Updates OC Policy Mapping For Ingress Gateway
Signaling Service.",
      "operationId": "putOcPolicyMappingIgwSig",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/OCPolicyMapping"
            }
          }
        }
      },
      "description": "Ingress Gateway Signaling OC Policy Mapping
Configuration",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  }
}

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    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "deprecated": false
  },
  "patch": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Partially Updates OC Policy Mapping For Ingress Gateway
Signaling Service",
    "description": "Partially Updates OC Policy Mapping For Ingress
Gateway Signaling Service.",
    "operationId": "patchOcPolicyMappingIgwSig",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/OCPolicyMapping"
          }
        }
      }
    },
    "description": "Ingress Gateway Signaling OC Policy Mapping
Configuration",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  }
}

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```

    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
},
"/udr/nf-common-component/v1/igw-sig/errorcodeprofiles": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Error Code Profiles For Ingress Gateway Signaling Service",
    "description": "Returns Error Code Profiles For Ingress Gateway Signaling Service.",
    "operationId": "getErrorCodeProfilesIgwSig",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ErrorCodeProfiles"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  }
}

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    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Error Code Profiles For Ingress Gateway Signaling
Service",
  "description": "Updates Error Code Profiles For Ingress Gateway
Signaling Service.",
  "operationId": "putErrorCodeProfilesIgwSig",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/ErrorCodeProfiles"
        }
      }
    }
  },
  "description": "Ingress Gateway Signaling Error Code Profiles
Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

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```

        }
      }
    }
  },
  "deprecated": false
},
"patch": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Partially Updates Error Code Profiles For Ingress Gateway
Signaling Service",
  "description": "Partially Updates Error Code Profiles For Ingress
Gateway Signaling Service.",
  "operationId": "patchErrorCodeProfilesIgwSig",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/ErrorCodeProfiles"
        }
      }
    }
  },
  "description": "Ingress Gateway Signaling Error Code Profiles
Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {

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        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    },
    "deprecated": false
  },
  "/udr/nf-common-component/v1/igw-sig/ocdiscardpolicies": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns OC Discard Policies For Ingress Gateway Signaling Service",
      "description": "Returns OC Discard Policies For Ingress Gateway Signaling Service.",
      "operationId": "getOcDiscardPoliciesIgwSig",
      "responses": {
        "200": {
          "description": "OK",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/OCDiscardPolicies"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      }
    },
    "put": {
      "tags": [

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        "OCUDR CONFIGURATION"
    ],
    "summary": "Updates OC Discard Policies For Ingress Gateway Signaling
Service",
    "description": "Updates OC Discard Policies For Ingress Gateway
Signaling Service.",
    "operationId": "putOcDiscardPoliciesIgwSig",
    "requestBody": {
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/OCDiscardPolicies"
                }
            }
        }
    },
    "description": "Ingress Gateway Signaling OC Discard Policies
Configuration",
    "required": true
},
"responses": {
    "201": {
        "description": "CREATED"
    },
    "400": {
        "description": "Bad Request",
        "content": {
            "application/problem+json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
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        "content": {
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            }
        }
    },
    "500": {
        "description": "Internal Server Error",
        "content": {
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            }
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    }
},
"deprecated": false
},

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    "patch": {
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      ],
      "summary": "Partially Updates OC Discard Policies For Ingress Gateway Signaling Service",
      "description": "Partially Updates OC Discard Policies For Ingress Gateway Signaling Service.",
      "operationId": "patchOcDiscardPoliciesIgwSig",
      "requestBody": {
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          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/OCDiscardPolicies"
            }
          }
        }
      },
      "description": "Ingress Gateway Signaling OC Discard Policies Configuration",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
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            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
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            "schema": {
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            }
          }
        }
      }
    }
  },
}

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        "get": {
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            ],
            "summary": "Returns Routes Configuration For Ingress Gateway
Signaling Service",
            "description": "Returns Routes Configuration For Ingress Gateway
Signaling Service.",
            "operationId": "getRoutesConfigurationIgwSig",
            "responses": {
                "200": {
                    "description": "OK",
                    "content": {
                        "application/json": {
                            "schema": {
                                "$ref": "#/components/schemas/IGWRoutesConfiguration"
                            }
                        }
                    }
                },
                "404": {
                    "description": "Not Found",
                    "content": {
                        "application/problem+json": {
                            "schema": {
                                "$ref": "#/components/schemas/ProblemDetails"
                            }
                        }
                    }
                },
                "500": {
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                    "content": {
                        "application/problem+json": {
                            "schema": {
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                        }
                    }
                }
            }
        },
        "deprecated": false
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        "tags": [
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        ],
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Signaling Service",
        "description": "Updates Routes Configuration For Ingress Gateway
Signaling Service.",
        "operationId": "putRoutesConfigurationIgwSig",
    }
}

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    "requestBody": {
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          "schema": {
            "$ref": "#/components/schemas/IGWRoutesConfiguration"
          }
        }
      },
      "description": "Ingress Gateway Signaling Routes Configuration",
      "required": true
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    "responses": {
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        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
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            "schema": {
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            }
          }
        }
      },
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        "content": {
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            }
          }
        }
      }
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    ],
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Gateway Signaling Service",
    "description": "Partially Updates Routes Configuration For Ingress
Gateway Signaling Service.",

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    "operationId": "patchRoutesConfigurationIgwSig",
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          }
        }
      },
      "description": "Ingress Gateway Signaling Routes Configuration",
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      },
      "400": {
        "description": "Bad Request",
        "content": {
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            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
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        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
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        "description": "Internal Server Error",
        "content": {
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            "schema": {
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            }
          }
        }
      }
    },
    "deprecated": false
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  "/udr/nf-common-component/v1/igw-sig/controlledshutdownerrormapping": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns Controlled Shutdown Error Mapping For Ingress

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Gateway Signaling Service",
  "description": "Returns Controlled Shutdown Error Mapping For Ingress
Gateway Signaling Service.",
  "operationId": "getControlledShutdownErrorMappingIgwSig",
  "responses": {
    "200": {
      "description": "OK",
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        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/
ControlledShutdownErrorMapping"
          }
        }
      }
    },
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      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
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            "$ref": "#/components/schemas/ProblemDetails"
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        }
      }
    }
  },
  "deprecated": false
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"put": {
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Gateway Signaling Service",
  "description": "Updates Controlled Shutdown Error Mapping For Ingress
Gateway Signaling Service.",
  "operationId": "putControlledShutdownErrorMappingIgwSig",
  "requestBody": {
    "content": {
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        "schema": {
          "$ref": "#/components/schemas/ControlledShutdownErrorMapping"
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      }
    }
  }
},

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        "description": "Ingress Gateway Signaling Service Controlled
Shutdown Error Mapping",
        "required": true
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    "responses": {
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        },
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                }
            }
        },
        "404": {
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            "content": {
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                    "schema": {
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                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
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                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    },
    "deprecated": false
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Ingress Gateway Signaling Service",
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For Ingress Gateway Signaling Service.",
    "operationId": "patchControlledShutdownErrorMappingIgwSig",
    "requestBody": {
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                "schema": {
                    "$ref": "#/components/schemas/ControlledShutdownErrorMapping"
                }
            }
        }
    }
}

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        }
      },
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Shutdown Error Mapping",
      "required": true
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    "responses": {
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        "description": "CREATED"
      },
      "400": {
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        "content": {
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              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
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        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
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        "content": {
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            "schema": {
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            }
          }
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  "/udr/nf-common-component/v1/igw-sig/errorcodeserieslist": {
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      "tags": [
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      ],
      "summary": "Returns Error Code Series List For Ingress Gateway
Signaling Service",
      "description": "Returns Error Code Series List For Ingress Gateway
Signaling Service.",
      "operationId": "getErrorCodeSeriesListIgwSig",
      "responses": {
        "200": {

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        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ErrorCodeSeriesList"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
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            }
          }
        }
      }
    },
    "deprecated": false
  },
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    "description": "Updates Error Code Series List For Ingress Gateway Signaling Service.",
    "operationId": "putErrorCodeSeriesListIgwSig",
    "requestBody": {
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        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/ErrorCodeSeriesList"
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        }
      }
    },
    "description": "Ingress Gateway Signaling Error Code Series List Configuration",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    }
  }
}

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    },
    "400": {
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      "content": {
        "application/problem+json": {
          "schema": {
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          }
        }
      }
    },
    "404": {
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      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
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      "content": {
        "application/problem+json": {
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          }
        }
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Gateway Signaling Service",
    "description": "Partially Updates Error Code Series List For Ingress
Gateway Signaling Service.",
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    "requestBody": {
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        }
      }
    },
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        "400": {
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              }
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          }
        },
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          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
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          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
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        ],
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        "description": "Returns Readiness Configuration For Ingress Gateway Signaling Service.",
        "operationId": "getReadinessConfigIgwSig",
        "responses": {
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            "description": "OK",
            "content": {
              "application/json": {
                "schema": {
                  "$ref": "#/components/schemas/ReadinessConfig"
                }
              }
            }
          }
        }
      }
    }
  }

```



```

    }
  },
  "404": {
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    "content": {
      "application/problem+json": {
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      }
    }
  },
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    "content": {
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        }
      }
    }
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  "description": "Updates Readiness Configuration For Ingress Gateway Signaling Service.",
  "operationId": "putReadinessConfigIgwSig",
  "requestBody": {
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        "schema": {
          "$ref": "#/components/schemas/ReadinessConfig"
        }
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    }
  },
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        "schema": {
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      }
    }
  }
}

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    }
  },
  "404": {
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Gateway Signaling Service",
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Gateway Signaling Service.",
  "operationId": "patchReadinessConfigIgwSig",
  "requestBody": {
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        "schema": {
          "$ref": "#/components/schemas/ReadinessConfig"
        }
      }
    }
  },
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  "400": {
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    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

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```

        }
      }
    },
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      "content": {
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            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
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      "content": {
        "application/problem+json": {
          "schema": {
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          }
        }
      }
    }
  },
  "deprecated": false
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  "get": {
    "tags": [
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    ],
    "summary": "Returns Route Level Rate Limiting Configuration For
Ingress Gateway Signaling Service",
    "description": "Returns Route Level Rate Limiting Configuration For
Ingress Gateway Signaling Service.",
    "operationId": "getRouteLevelRateLimitingIgwSig",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
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            "schema": {
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            }
          }
        }
      }
    }
  },
  "404": {
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    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

```

```

    }
  },
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    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecated": false
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"put": {
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Ingress Gateway Signaling Service",
  "description": "Updates Route Level Rate Limiting Configuration For
Ingress Gateway Signaling Service.",
  "operationId": "putRouteLevelRateLimitingIgwSig",
  "requestBody": {
    "content": {
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        "schema": {
          "$ref": "#/components/schemas/RouteLevelRateLimiting"
        }
      }
    }
  },
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Configuration",
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  "400": {
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    "content": {
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        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
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        "schema": {

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        "$ref": "#/components/schemas/ProblemDetails"
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  },
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    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
},
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},
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  ],
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For Ingress Gateway Signaling Service",
  "description": "Partially Updates Route Level Rate Limiting
Configuration For Ingress Gateway Signaling Service.",
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  "requestBody": {
    "content": {
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        "schema": {
          "$ref": "#/components/schemas/RouteLevelRateLimiting"
        }
      }
    }
  },
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Configuration",
  "required": true
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    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {

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```

        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/udr/nf-common-component/v1/igw-sig/xfccheadervalidation": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns XFCC Header Validation Configuration For Ingress
Gateway Signaling Service",
      "description": "Returns XFCC Header Validation Configuration For
Ingress Gateway Signaling Service.",
      "operationId": "getXfccHeaderValidation",
      "responses": {
        "200": {
          "description": "OK",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/XfccHeaderValidation"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {

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```

        "schema": {
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        }
      }
    },
    "deprecated": false
  },
  "put": {
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    ],
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Gateway Signaling Service",
    "description": "Updates XFCC Header Validation Configuration For
Ingress Gateway Signaling Service.",
    "operationId": "putXfccHeaderValidation",
    "requestBody": {
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          "schema": {
            "$ref": "#/components/schemas/XfccHeaderValidation"
          }
        }
      },
      "description": "Ingress Gateway Signaling XFCC Header Validation
Configuration",
      "required": true
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    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
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        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
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        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",

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        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "deprecated": false
    },
    "patch": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
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For Ingress Gateway Signaling Service",
      "description": "Partially Updates XFCC Header Validation
Configuration For Ingress Gateway Signaling Service.",
      "operationId": "patchXfccHeaderValidation",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/XfccHeaderValidation"
            }
          }
        }
      },
      "description": "Ingress Gateway Signaling XFCC Header Validation
Configuration",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  },
},

```



```

        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "deprecated": false
      },
      "/udr/nf-common-component/v1/operationalState": {
        "get": {
          "tags": [
            "OCUDR CONFIGURATION"
          ],
          "summary": "Returns Operational State",
          "description": "Returns Operational State.",
          "operationId": "getOperationalState",
          "responses": {
            "200": {
              "description": "OK",
              "content": {
                "application/json": {
                  "schema": {
                    "$ref": "#/components/schemas/OperationalStateConfiguration"
                  }
                }
              }
            },
            "404": {
              "description": "Not Found",
              "content": {
                "application/problem+json": {
                  "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                  }
                }
              }
            }
          }
        },
        "deprecated": false
      },
      "put": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Updates Operational State Configuration",
        "description": "Updates Operational State Configuration.",
        "operationId": "putOperationalState",
        "requestBody": {
          "content": {
            "application/json": {

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        "schema": {
          "$ref": "#/components/schemas/OperationalStateConfiguration"
        }
      },
      "description": "Operational State Configuration",
      "required": true
    },
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/OperationalStateConfiguration"
            }
          }
        }
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/udr/nf-common-component/v1/operationalStateHistory": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns Operational State History",
      "description": "Returns Operational State History.",
      "operationId": "getOperationalStateHistory",
      "parameters": [
        {
          "name": "limit",
          "in": "query",
          "description": "Maximum number of operational state history

```

```

    entries to return. Default value is 5.",
    "required": false,
    "schema": {
      "type": "integer",
      "default": 5
    },
    "example": 5
  },
  {
    "name": "offset",
    "in": "query",
    "description": "History offset. Default value is 0. Only offset 0
returns operational state history entries.",
    "required": false,
    "schema": {
      "type": "integer",
      "default": 0
    },
    "example": 0
  }
],
"responses": {
  "200": {
    "description": "OK",
    "content": {
      "application/json": {
        "schema": {
          "type": "array",
          "items": {
            "$ref": "#/components/schemas/OperationStateHistoryArray"
          }
        }
      }
    }
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}
},

```

```

        "deprecated": false
    },
    "/udr/nf-common-component/v1/perf-info/overloadLevelThreshold": {
        "get": {
            "tags": [
                "OCUDR CONFIGURATION"
            ],
            "summary": "Returns Overload Level Threshold Configuration For Perf
Info Service",
            "description": "Returns Overload Level Threshold Configuration For
Perf Info Service.",
            "operationId": "getOverloadLevelThresholdForPerfInfo",
            "responses": {
                "200": {
                    "description": "OK",
                    "content": {
                        "application/json": {
                            "schema": {
                                "$ref": "#/components/schemas/OverloadLevelThreshold"
                            }
                        }
                    }
                },
                "404": {
                    "description": "Not Found",
                    "content": {
                        "application/problem+json": {
                            "schema": {
                                "$ref": "#/components/schemas/ProblemDetails"
                            }
                        }
                    }
                },
                "500": {
                    "description": "Internal Server Error",
                    "content": {
                        "application/problem+json": {
                            "schema": {
                                "$ref": "#/components/schemas/ProblemDetails"
                            }
                        }
                    }
                }
            }
        },
        "deprecated": false
    },
    "put": {
        "tags": [
            "OCUDR CONFIGURATION"
        ],
        "summary": "Updates Overload Level Threshold Configuration For Perf
Info Service",
        "description": "Updates Overload Level Threshold Configuration For
Perf Info Service.",
        "operationId": "putOverloadLevelThresholdForPerfInfo",

```

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    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/OverloadLevelThreshold"
          }
        }
      },
      "description": "Perf Info Overload Level Threshold Configuration",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "patch": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Partially Updates Overload Level Threshold Configuration  
For Perf Info Service",
    "description": "Partially Updates Overload Level Threshold  
Configuration For Perf Info Service.",

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    "operationId": "patchOverloadLevelThresholdForPerfInfo",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/OverloadLevelThreshold"
          }
        }
      },
      "description": "Perf Info Overload Level Threshold Configuration",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "/udr/nf-common-component/v1/app-info/nfScoring": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns NF Scoring Configuration For Application"
    }
  }
}

```

```

Information Service",
  "description": "Returns NF Scoring Configuration For Application
Information Service.",
  "operationId": "getNfScoring",
  "responses": {
    "200": {
      "description": "OK",
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/NfScoringConfig"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates NF Scoring Configuration For Application
Information Service",
  "description": "Updates NF Scoring Configuration For Application
Information Service.",
  "operationId": "putNfScoring",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/NfScoringConfig"
        }
      }
    }
  },
  "description": "Application Information NF Scoring Configuration",

```

```

        "required": true
      },
      "responses": {
        "201": {
          "description": "CREATED"
        },
        "400": {
          "description": "Bad Request",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "patch": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Partially Updates NF Scoring Configuration For
Application Information Service",
      "description": "Partially Updates NF Scoring Configuration For
Application Information Service.",
      "operationId": "patchNfScoring",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/NfScoringConfig"
            }
          }
        }
      }
    },
  },

```



```

        "description": "Application Information NF Scoring Configuration",
        "required": true
    },
    "responses": {
        "201": {
            "description": "CREATED"
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "500": {
            "description": "Internal Server Error",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    },
    "deprecated": false
},
"/udr/nf-common-component/v1/nfscore": {
    "get": {
        "tags": [
            "OCUDR CONFIGURATION"
        ],
        "summary": "Returns NF Score",
        "description": "Returns NF Score.",
        "operationId": "getNfScore",
        "responses": {
            "200": {
                "description": "OK",
                "content": {
                    "application/json": {
                        "schema": {
                            "$ref": "#/components/schemas/NfScoreResponse"
                        }
                    }
                }
            }
        }
    }
}

```

```

    }
  }
},
"404": {
  "description": "Not Found",
  "content": {
    "application/problem+json": {
      "schema": {
        "$ref": "#/components/schemas/ProblemDetails"
      }
    }
  }
},
"409": {
  "description": "Conflict",
  "content": {
    "application/problem+json": {
      "schema": {
        "$ref": "#/components/schemas/ProblemDetails"
      }
    }
  }
},
"500": {
  "description": "Internal Server Error",
  "content": {
    "application/problem+json": {
      "schema": {
        "$ref": "#/components/schemas/ProblemDetails"
      }
    }
  }
},
},
"deprecated": false
}
},
"/udr/nf-common-component/v1/nrf-client-nfmanagement/
dynamicLoadAndCapacity": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Dynamic Load And Capacity Configuration For NRF
Client NF Management Service",
    "description": "Returns Dynamic Load And Capacity Configuration For
NRF Client NF Management Service.",
    "operationId": "getDynamicLoadAndCapacityNrfClientMgm",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/DynamicLoadAndCapacity"
            }
          }
        }
      }
    }
  }
}

```

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        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"put": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Updates Dynamic Load And Capacity Configuration For NRF
Client NF Management Service",
  "description": "Updates Dynamic Load And Capacity Configuration For
NRF Client NF Management Service.",
  "operationId": "putDynamicLoadAndCapacityNrfClientMgm",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/DynamicLoadAndCapacity"
        }
      }
    }
  },
  "description": "NRF Client NF Management Dynamic Load And Capacity
Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {

```

```

        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"patch": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Partially Updates Dynamic Load And Capacity Configuration
For NRF Client NF Management Service",
  "description": "Partially Updates Dynamic Load And Capacity
Configuration For NRF Client NF Management Service.",
  "operationId": "patchDynamicLoadAndCapacityNrfClientMgm",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/DynamicLoadAndCapacity"
        }
      }
    }
  },
  "description": "NRF Client NF Management Dynamic Load And Capacity
Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",

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        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "/udr/nf-common-component/v1/nrf-client-nfmanagement/generalOptions": {
      "get": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Returns General Options Configuration For NRF Client NF Management Service",
        "description": "Returns General Options Configuration For NRF Client NF Management Service.",
        "operationId": "getGeneralOptionsNrfClientMgm",
        "responses": {
          "200": {
            "description": "OK",
            "content": {
              "application/json": {
                "schema": {
                  "$ref": "#/components/schemas/GeneralOptions"
                }
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {

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        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "put": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Updates General Options Configuration For NRF Client NF
Management Service",
    "description": "Updates General Options Configuration For NRF Client
NF Management Service.",
    "operationId": "putGeneralOptionsNrfClientMgm",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/GeneralOptions"
          }
        }
      }
    },
    "description": "NRF Client NF Management General Options
Configuration",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "404": {

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```

        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "patch": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Partially Updates General Options Configuration For NRF
Client NF Management Service",
    "description": "Partially Updates General Options Configuration For
NRF Client NF Management Service.",
    "operationId": "patchGeneralOptionsNrfClientMgm",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/GeneralOptions"
          }
        }
      }
    },
    "description": "NRF Client NF Management General Options
Configuration",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  }
}

```

```

    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "deprecated": false
  },
  "/udr/nf-common-component/v1/nrf-client-nfmanagement/nfProfileList": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns NF Profile List For NRF Client NF Management Service",
      "description": "Returns NF Profile List For NRF Client NF Management Service.",
      "operationId": "getProfileListNrfClientMgm",
      "responses": {
        "200": {
          "description": "OK",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/NfProfileList"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      }
    }
  },

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```

        "500": {
            "description": "Internal Server Error",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "deprecated": false
    },
    "put": {
        "tags": [
            "OCUDR CONFIGURATION"
        ],
        "summary": "Updates NF Profile List For NRF Client NF Management Service",
        "description": "Updates NF Profile List For NRF Client NF Management Service.",
        "operationId": "putProfileListNrfClientMgm",
        "requestBody": {
            "content": {
                "application/json": {
                    "schema": {
                        "$ref": "#/components/schemas/NfProfileList"
                    }
                }
            }
        },
        "description": "NRF Client NF Management NF Profile List Configuration",
        "required": true
    },
    "responses": {
        "201": {
            "description": "CREATED"
        },
        "400": {
            "description": "Bad Request",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        },
        "404": {
            "description": "Not Found",
            "content": {
                "application/problem+json": {
                    "schema": {
                        "$ref": "#/components/schemas/ProblemDetails"
                    }
                }
            }
        }
    }
}

```

```

    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "deprecatd": false
},
"patch": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Partially Updates NF Profile List For NRF Client NF
Management Service",
  "description": "Partially Updates NF Profile List For NRF Client NF
Management Service.",
  "operationId": "patchProfileListNrfClientMgm",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/NfProfileList"
        }
      }
    }
  },
  "description": "NRF Client NF Management NF Profile List
Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  }
}

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    }
  }
},
"500": {
  "description": "Internal Server Error",
  "content": {
    "application/problem+json": {
      "schema": {
        "$ref": "#/components/schemas/ProblemDetails"
      }
    }
  }
},
},
"deprecated": false
}
},
"/udr/nf-common-component/v1/nrf-client-nfmanagement/nrfRouteList": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns NRF Route List For NRF Client NF Management Service",
    "description": "Returns NRF Route List For NRF Client NF Management Service.",
    "operationId": "getNrfRouteListNrfClientMgm",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/NrfRouteList"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    }
  }
}

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        }
      }
    },
    "deprecated": false
  },
  "put": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Updates NRF Route List For NRF Client NF Management
Service",
    "description": "Updates NRF Route List For NRF Client NF Management
Service.",
    "operationId": "putNrfRouteListNrfClientMgm",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/NrfRouteList"
          }
        }
      },
      "description": "NRF Client NF Management NRF Route List
Configuration",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {

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        "$ref": "#/components/schemas/ProblemDetails"
      }
    }
  },
  "deprecated": false
},
"patch": {
  "tags": [
    "OCUDR CONFIGURATION"
  ],
  "summary": "Partially Updates NRF Route List For NRF Client NF
Management Service",
  "description": "Partially Updates NRF Route List For NRF Client NF
Management Service.",
  "operationId": "patchNrfRouteListNrfClientMgm",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/NrfRouteList"
        }
      }
    }
  },
  "description": "NRF Client NF Management NRF Route List
Configuration",
  "required": true
},
"responses": {
  "201": {
    "description": "CREATED"
  },
  "400": {
    "description": "Bad Request",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "404": {
    "description": "Not Found",
    "content": {
      "application/problem+json": {
        "schema": {
          "$ref": "#/components/schemas/ProblemDetails"
        }
      }
    }
  },
  "500": {
    "description": "Internal Server Error",
    "content": {

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        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "deprecated": false
  },
  "/udr/nf-common-component/v1/global-configuration/sbiserviceoperations": {
    "get": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Returns SBI Service Operations For Global Configuration",
      "description": "Returns SBI Service Operations For Global
Configuration.",
      "operationId": "getSbiServiceOperationsGlobalConfiguration",
      "responses": {
        "200": {
          "description": "OK",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/SbiServiceOperations"
              }
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "put": {
    "tags": [

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```

        "OCUDR CONFIGURATION"
    ],
    "summary": "Updates SBI Service Operations For Global Configuration",
    "description": "Updates SBI Service Operations For Global
Configuration.",
    "operationId": "putSbiServiceOperationsGlobalConfiguration",
    "requestBody": {
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/SbiServiceOperations"
                }
            }
        }
    },
    "description": "Global Configuration SBI Service Operations",
    "required": true
},
"responses": {
    "201": {
        "description": "CREATED"
    },
    "400": {
        "description": "Bad Request",
        "content": {
            "application/problem+json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "404": {
        "description": "Not Found",
        "content": {
            "application/problem+json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "500": {
        "description": "Internal Server Error",
        "content": {
            "application/problem+json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    }
},
"deprecated": false
},
"patch": {
    "tags": [

```

```

        "OCUDR CONFIGURATION"
    ],
    "summary": "Partially Updates SBI Service Operations For Global
Configuration",
    "description": "Partially Updates SBI Service Operations For Global
Configuration.",
    "operationId": "patchSbiServiceOperationsGlobalConfiguration",
    "requestBody": {
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/SbiServiceOperations"
                }
            }
        }
    },
    "description": "Global Configuration SBI Service Operations",
    "required": true
},
"responses": {
    "201": {
        "description": "CREATED"
    },
    "400": {
        "description": "Bad Request",
        "content": {
            "application/problem+json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "404": {
        "description": "Not Found",
        "content": {
            "application/problem+json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    },
    "500": {
        "description": "Internal Server Error",
        "content": {
            "application/problem+json": {
                "schema": {
                    "$ref": "#/components/schemas/ProblemDetails"
                }
            }
        }
    }
},
"deprecated": false
}
},

```



```

"/udr/nf-common-component/v1/global-configuration/prioritymappingrules": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Priority Mapping Rules For Global Configuration",
    "description": "Returns Priority Mapping Rules For Global
Configuration.",
    "operationId": "getPriorityMappingRulesGlobalConfiguration",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/PriorityMappingRules"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "put": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Updates Priority Mapping Rules For Global Configuration",
    "description": "Updates Priority Mapping Rules For Global
Configuration.",
    "operationId": "putPriorityMappingRulesGlobalConfiguration",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/PriorityMappingRules"
          }
        }
      }
    }
  }
}

```

```

        }
      },
      "description": "Global Configuration Priority Mapping Rules",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {
        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "patch": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Partially Updates Priority Mapping Rules For Global Configuration",
    "description": "Partially Updates Priority Mapping Rules For Global Configuration.",
    "operationId": "patchPriorityMappingRulesGlobalConfiguration",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {

```

```

        "$ref": "#/components/schemas/PriorityMappingRules"
      }
    },
    "description": "Global Configuration Priority Mapping Rules",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    },
    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"/udr/nf-common-component/v1/global-configuration/requestsmphheaders": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns Request SMP Headers For Global Configuration",
    "description": "Returns Request SMP Headers For Global Configuration.",
    "operationId": "getRequestSmpHeadersGlobalConfiguration",
    "responses": {
      "200": {

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        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/RequestSmpHeaders"
            }
          }
        },
        "404": {
          "description": "Not Found",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        }
      },
      "deprecated": false
    },
    "put": {
      "tags": [
        "OCUDR CONFIGURATION"
      ],
      "summary": "Updates Request SMP Headers For Global Configuration",
      "description": "Updates Request SMP Headers For Global Configuration.",
      "operationId": "putRequestSmpHeadersGlobalConfiguration",
      "requestBody": {
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/RequestSmpHeaders"
            }
          }
        }
      },
      "description": "Global Configuration Request SMP Headers",
      "required": true
    },
    "responses": {
      "201": {
        "description": "CREATED"
      },
      "400": {

```

```

        "description": "Bad Request",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "404": {
        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  },
  "patch": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Partially Updates Request SMP Headers For Global Configuration",
    "description": "Partially Updates Request SMP Headers For Global Configuration.",
    "operationId": "patchRequestSmpHeadersGlobalConfiguration",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/RequestSmpHeaders"
          }
        }
      }
    },
    "description": "Global Configuration Request SMP Headers",
    "required": true
  },
  "responses": {
    "201": {
      "description": "CREATED"
    }
  },

```

```

    "400": {
      "description": "Bad Request",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "404": {
      "description": "Not Found",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    },
    "500": {
      "description": "Internal Server Error",
      "content": {
        "application/problem+json": {
          "schema": {
            "$ref": "#/components/schemas/ProblemDetails"
          }
        }
      }
    }
  },
  "deprecated": false
},
"/udr/nf-common-component/v1/global-configuration/sbimessagepriority": {
  "get": {
    "tags": [
      "OCUDR CONFIGURATION"
    ],
    "summary": "Returns SBI Message Priority For Global Configuration",
    "description": "Returns SBI Message Priority For Global Configuration.",
    "operationId": "getSbiMessagePriorityGlobalConfiguration",
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/SbiMessagePriority"
            }
          }
        }
      }
    }
  },
  "404": {
    "description": "Not Found",

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```

        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "deprecated": false
      },
      "put": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Updates SBI Message Priority For Global Configuration",
        "description": "Updates SBI Message Priority For Global
Configuration.",
        "operationId": "putSbiMessagePriorityGlobalConfiguration",
        "requestBody": {
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/SbiMessagePriority"
              }
            }
          },
          "description": "Global Configuration SBI Message Priority",
          "required": true
        },
        "responses": {
          "201": {
            "description": "CREATED"
          },
          "400": {
            "description": "Bad Request",
            "content": {
              "application/problem+json": {
                "schema": {
                  "$ref": "#/components/schemas/ProblemDetails"
                }
              }
            }
          },
          "404": {
            "description": "Not Found",

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```

        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        },
        "500": {
          "description": "Internal Server Error",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "deprecated": false
      },
      "patch": {
        "tags": [
          "OCUDR CONFIGURATION"
        ],
        "summary": "Partially Updates SBI Message Priority For Global Configuration",
        "description": "Partially Updates SBI Message Priority For Global Configuration.",
        "operationId": "patchSbiMessagePriorityGlobalConfiguration",
        "requestBody": {
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/SbiMessagePriority"
              }
            }
          }
        },
        "description": "Global Configuration SBI Message Priority",
        "required": true
      },
      "responses": {
        "201": {
          "description": "CREATED"
        },
        "400": {
          "description": "Bad Request",
          "content": {
            "application/problem+json": {
              "schema": {
                "$ref": "#/components/schemas/ProblemDetails"
              }
            }
          }
        },
        "404": {

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```

        "description": "Not Found",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      },
      "500": {
        "description": "Internal Server Error",
        "content": {
          "application/problem+json": {
            "schema": {
              "$ref": "#/components/schemas/ProblemDetails"
            }
          }
        }
      }
    },
    "deprecated": false
  }
},
"servers": [
  {
    "url": "://127.0.0.1:8080/"
  }
],
"components": {
  "schemas": {
    "NotifyServiceConfiguration": {
      "type": "object",
      "additionalProperties": false,
      "properties": {
        "notifRetryCount": {
          "type": "integer",
          "minimum": 0,
          "maximum": 5
        },
        "NotifRetryInterval": {
          "type": "integer",
          "minimum": 1,
          "maximum": 10
        },
        "retryErrorCodes": {
          "type": "string"
        },
        "resourceRemovalNotificationEnabled": {
          "type": "boolean"
        }
      }
    },
    "DrServiceConfiguration": {
      "additionalProperties": false,
      "type": "object",

```

```

    "properties": {
      "subscriptionDataSubscriptionsOnly": {
        "type": "boolean"
      },
      "defaultGroupIdEnabled": {
        "type": "boolean"
      },
      "defaultSlfGroupName": {
        "type": "string"
      },
      "allowSubscriptionRecreation": {
        "type": "boolean"
      }
    }
  },
  "DrProvServiceConfiguration": {
    "additionalProperties": false,
    "type": "object",
    "properties": {
      "provLogsEnabled": {
        "type": "boolean"
      },
      "provLogsApiNames": {
        "type": "array",
        "uniqueItems": true,
        "items": {
          "type": "string",
          "enum": [
            "nudr-dr-prov",
            "nudr-group-id-map-prov",
            "slf-group-prov",
            "n5g-eir-prov"
          ]
        }
      }
    }
  },
  "DiameterConfiguration": {
    "type": "object",
    "additionalProperties": false,
    "properties": {
      "reconnectDelay": {
        "type": "integer"
      },
      "responseTimeout": {
        "type": "integer"
      },
      "connectionTimeOut": {
        "type": "integer"
      },
      "watchdogInterval": {
        "type": "integer"
      },
      "reconnectLimit": {
        "type": "integer"
      }
    }
  },

```

```

    "alternateRoutePeerNodes": {
      "type": "array",
      "minItems": 0,
      "maxItems": 10
    },
    "diameterRetryErrorCodes": {
      "type": "array",
      "minItems": 0,
      "maxItems": 10
    },
    "allowedClientNodes": {
      "type": "array",
      "minItems": 0,
      "items": {
        "type": "object",
        "properties": {
          "responseOnly": {
            "type": "boolean"
          },
          "host": {
            "type": "string"
          },
          "port": {
            "type": "integer"
          },
          "realm": {
            "type": "string",
            "minLength": 1
          },
          "identity": {
            "type": "string",
            "minLength": 1
          },
          "type": {
            "type": "string"
          },
          "transport": {
            "type": "string"
          }
        }
      },
      "additionalProperties": true,
      "if": {
        "properties": {
          "responseOnly": {
            "enum": [
              null,
              false
            ]
          }
        }
      },
      "then": {
        "required": [
          "identity",
          "realm"
        ]
      }
    }
  ]

```

```

    },
    "else": {
      "required": [
        "identity",
        "realm",
        "host",
        "port"
      ],
      "properties": {
        "host": {
          "minLength": 1
        },
        "port": {
          "minimum": 1
        }
      }
    }
  }
}
},
"GlobalConfiguration": {
  "additionalProperties": false,
  "type": "object",
  "properties": {
    "snssai": {
      "type": "string",
      "pattern": "^[0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])-[A-Fa-f0-9]{6}$"
    },
    "dnn": {
      "type": "string"
    },
    "autoCreate": {
      "type": "boolean"
    },
    "autoEnrolOnSignalling": {
      "type": "boolean"
    },
    "etagEnabled": {
      "type": "boolean"
    },
    "version": {
      "type": "string"
    },
    "addDefaultBillingDay": {
      "type": "boolean"
    },
    "sbiCorrelationInfoEnable": {
      "type": "boolean"
    },
    "consumerNF": {
      "type": "string"
    },
    "enableControlledShutdown": {
      "type": "boolean"
    }
  }
}

```

```

    },
    "vsaDefaultBillingDay": {
      "type": "integer"
    },
    "subscriberActivityEnabled": {
      "type": "boolean"
    },
    "defaultResponse": {
      "type": "string",
      "enum": [
        "EQUIPMENT_UNKNOWN",
        "BLACKLISTED",
        "GREYLISTED",
        "WHITELISTED"
      ]
    },
    "defaultResponseIMEINotFound": {
      "type": "string",
      "enum": [
        "EQUIPMENT_UNKNOWN",
        "BLACKLISTED",
        "GREYLISTED",
        "WHITELISTED"
      ]
    },
    "accessLogEnabled": {
      "type": "boolean"
    },
    "accessLogExportEnabled": {
      "type": "boolean"
    },
    "sourceIdentificationIp": {
      "type": "string"
    },
    "sequenceIdentification": {
      "type": "string"
    },
    "imsiLookupFallbackEnabled": {
      "type": "boolean"
    },
    "imeisvLookupFallback": {
      "type": "boolean"
    },
    "subscriberIdentifiers": {
      "type": "object",
      "additionalProperties": false,
      "properties": {
        "msisdn": {
          "type": "array",
          "maxItems": 100,
          "items": {
            "type": "string",
            "format": "integer"
          }
        }
      }
    },
    "imsi": {

```

```

        "type": "array",
        "maxItems": 100,
        "items": {
          "type": "string"
        }
      },
      "nai": {
        "type": "array",
        "maxItems": 100,
        "items": {
          "type": "string"
        }
      },
      "extid": {
        "type": "array",
        "maxItems": 100,
        "items": {
          "type": "string"
        }
      }
    ],
    "required": [
      "imsi",
      "msisdn",
      "nai",
      "extid"
    ]
  },
  "dbConflictResolutionEnabled": {
    "type": "boolean"
  },
  "maxNumberOfSubscriptions": {
    "type": "integer"
  },
  "suppressNotificationEnabled": {
    "type": "boolean"
  },
  "configClientConnectTimeout": {
    "type": "integer"
  },
  "configClientReadTimeout": {
    "type": "integer"
  },
  "s13InterfaceEnabled": {
    "type": "boolean"
  }
},
"ProblemDetails": {
  "type": "object",
  "properties": {
    "cause": {
      "type": "string"
    },
    "detail": {
      "type": "string"
    }
  }
}

```

```

    },
    "invalidParams": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/InvalidParam"
      }
    },
    "status": {
      "type": "integer",
      "format": "int32"
    },
    "title": {
      "type": "string"
    }
  },
  "title": "ProblemDetails",
  "description": "Error response payload returned for failed API
requests."
},
"InvalidParam": {
  "type": "object",
  "properties": {
    "param": {
      "type": "string"
    },
    "reason": {
      "type": "string"
    }
  }
},
"DiamgatewayCongestion": {
  "additionalProperties": false,
  "type": "object",
  "required": [
    "sampleCount",
    "defaultMessagePriority",
    "loadSheddingRulesMap",
    "calculationInterval",
    "priorityRules",
    "thresholds"
  ],
  "properties": {
    "calculationInterval": {
      "type": "integer"
    },
    "defaultMessagePriority": {
      "type": "integer"
    },
    "enabled": {
      "type": "boolean"
    },
    "sampleCount": {
      "type": "integer"
    },
    "loadSheddingRulesMap": {
      "type": "object",

```

```

    "patternProperties": {
      "^DOC|CONGESTED$": {
        "type": "object",
        "properties": {
          "state": {
            "type": "string"
          },
          "discardPriority": {
            "type": "integer"
          },
          "ansWithResultCode": {
            "type": "string"
          },
          "resultCode": {
            "type": "integer"
          },
          "vendorId": {
            "type": "integer"
          }
        }
      },
      "additionalProperties": false
    }
  },
  "priorityRules": {
    "type": "array",
    "items": {
      "type": "object",
      "additionalProperties": false,
      "properties": {
        "conditions": {
          "type": "object",
          "properties": {
            "application": {
              "type": "string"
            },
            "message": {
              "type": "string"
            },
            "requestType": {
              "type": "string"
            }
          }
        },
        "enableDRMPPriority": {
          "type": "boolean"
        },
        "messagePriority": {
          "type": "integer"
        },
        "ruleName": {
          "type": "string"
        },
        "rulePriority": {
          "type": "integer"
        }
      }
    }
  }
}

```



```

    }
  }
},
"thresholds": {
  "type": "object",
  "properties": {
    "DOC": {
      "type": "object",
      "properties": {
        "cpu": {
          "type": "integer"
        }
      }
    },
    "additionalProperties": false
  },
  "CONGESTED": {
    "type": "object",
    "properties": {
      "cpu": {
        "type": "integer"
      }
    },
    "additionalProperties": false
  }
}
}
},
"BulkImportCfg": {
  "additionalProperties": false,
  "type": "object",
  "properties": {
    "pdbiFileExpiryTime": {
      "type": "string",
      "pattern": "^[0-9]+[dsmy]$"
    },
    "remoteDirPath": {
      "type": "string",
      "pattern": "^\\.*/$"
    },
    "fileExt": {
      "type": "string",
      "enum": [
        ".csv",
        ".txt",
        ".pdbi",
        ".ixml",
        ".xml"
      ]
    },
    "deleteFileFromPVC": {
      "type": "boolean"
    },
    "transferOutPath": {
      "type": "string",
      "pattern": "^\\.*/$"
    }
  }
}

```

```

    }
  }
},
"BulkExportCfg": {
  "additionalProperties": false,
  "type": "object",
  "properties": {
    "pvcPath": {
      "type": "string"
    },
    "frequencyOfPeriodicDump": {
      "type": "string",
      "enum": [
        "DAILY",
        "WEEKLY",
        "MONTHLY",
        "ONE_TIME"
      ]
    },
    "startTime": {
      "type": "string",
      "pattern": "^((\\d{1,2})/(\\d{1,2})/(\\d{4}))((\\s+)(\\d{1,2}):(\n\\d{1,2}):(\n\\d{1,2})$|^((\\s*)$)"
    },
    "maxNumberOfDumps": {
      "type": "integer",
      "minimum": 0,
      "maximum": 9
    },
    "fixedDumpFileNameSuffix": {
      "type": "string",
      "minLength": 0,
      "maxLength": 128,
      "pattern": "^[^\\s]*$"
    },
    "fixedDumpFileNamePrefix": {
      "type": "string",
      "minLength": 0,
      "maxLength": 12,
      "pattern": "^[^\\s]*$"
    },
    "configuredString": {
      "type": "string",
      "minLength": 3,
      "maxLength": 12
    },
    "timeStampFormat": {
      "type": "string",
      "anyOf": [
        {
          "pattern": "(?i)^Y{4}M{2}D{2}H{2}M{2}S{2}$"
        },
        {
          "pattern": "(?i)^Y{4}-M{2}-D{2}-H{2}-M{2}-S{2}-S{3}$"
        }
      ]
    }
  ]
}

```

```

    },
    "multiValuedDelimiter": {
      "type": "string",
      "pattern": "^.{1}$"
    },
    "fieldDelimiter": {
      "type": "string",
      "pattern": "^.{1}$"
    },
    "fileExtension": {
      "type": "string",
      "description": "Allowed file extension for export. Use empty
string (') for no extension.",
      "enum": [
        ".csv",
        ".txt",
        ".xml",
        ""
      ]
    },
    "remotePath": {
      "type": "string",
      "pattern": "^.{1}$"
    },
    "deleteFromPVC": {
      "type": "boolean"
    },
    "imsiCount": {
      "type": "integer",
      "minimum": 0,
      "maximum": 9
    },
    "msisdNCount": {
      "type": "integer",
      "minimum": 0,
      "maximum": 9
    },
    "subscriberRangeEnabled": {
      "type": "boolean"
    },
    "newFilePerRangeEnabled": {
      "type": "boolean"
    },
    "subscriberExportRange": {
      "type": "object",
      "properties": {
        "keyType": {
          "type": "string",
          "enum": [
            "imsi",
            "msisdN"
          ]
        }
      }
    },
    "subscriberRanges": {
      "type": "array",
      "maxItems": 5,

```

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        "items": {
          "type": "string",
          "pattern": "^[0-9]{5,15}-[0-9]{5,15}$"
        }
      }
    },
    "exportFileExpiryTime": {
      "type": "string",
      "pattern": "^[0-9]+[dm]$"
    },
    "policyDataResources": {
      "type": "string",
      "enum": [
        "sm-data,am-data,ue-policy-set",
        "sm-data,ue-policy-set,am-data",
        "am-data,ue-policy-set,sm-data",
        "am-data,sm-data,ue-policy-set",
        "ue-policy-set,am-data,sm-data",
        "ue-policy-set,sm-data,am-data",
        "sm-data,am-data",
        "sm-data,ue-policy-set",
        "ue-policy-set,sm-data",
        "ue-policy-set,am-data",
        "am-data,sm-data",
        "am-data,ue-policy-set",
        "sm-data",
        "am-data",
        "ue-policy-set"
      ]
    }
  },
  "BulkExportFileStatus": {
    "type": "array",
    "items": {
      "$ref": "#/components/schemas/BEFObject"
    }
  },
  "BEFObject": {
    "type": "object",
    "properties": {
      "jobId": {
        "type": "string"
      },
      "fileName": {
        "type": "string"
      },
      "filePath": {
        "type": "string"
      },
      "completeTime": {
        "type": "string"
      },
      "startTime": {
        "type": "string"
      }
    }
  }
}

```

```

    },
    "status": {
      "type": "string"
    }
  }
},
"BulkExportToolStatus": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/BEObject"
  }
},
"BEObject": {
  "type": "object",
  "properties": {
    "jobId": {
      "type": "string"
    },
    "subscriberCount": {
      "type": "integer"
    },
    "exportedSubscriberCount": {
      "type": "integer"
    },
    "accessLogCount": {
      "type": "integer"
    },
    "exportedAccessLogCount": {
      "type": "integer"
    },
    "jobProgress": {
      "type": "integer"
    },
    "status": {
      "type": "string"
    },
    "exportState": {
      "type": "string"
    }
  }
},
"BulkExportToolStatusJobId": {
  "type": "object",
  "properties": {
    "jobId": {
      "type": "string"
    },
    "subscriberCount": {
      "type": "integer"
    },
    "exportedSubscriberCount": {
      "type": "integer"
    },
    "accessLogCount": {
      "type": "integer"
    }
  },

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```

        "exportedAccessLogCount": {
          "type": "integer"
        },
        "jobProgress": {
          "type": "integer"
        },
        "status": {
          "type": "string"
        },
        "exportState": {
          "type": "string"
        },
        "exportFileStatusList": {
          "type": "array",
          "items": {
            "$ref": "#/components/schemas/BEJobIdObject"
          }
        }
      }
    },
    "BEJobIdObject": {
      "type": "object",
      "properties": {
        "jobId": {
          "type": "string"
        },
        "fileName": {
          "type": "string"
        },
        "filePath": {
          "type": "string"
        },
        "completeTime": {
          "type": "string"
        },
        "startTime": {
          "type": "string"
        },
        "status": {
          "type": "string"
        }
      }
    },
    "BIConfiguration": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/BIObject"
      }
    },
    "BIObject": {
      "type": "object",
      "properties": {
        "importFile": {
          "type": "string"
        },
        "timeQueued": {

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```

        "type": "string"
      },
      "timeStarted": {
        "type": "string"
      },
      "timeCompleted": {
        "type": "string"
      },
      "progress": {
        "type": "string"
      },
      "passCount": {
        "type": "string"
      },
      "failCount": {
        "type": "string"
      },
      "totalCount": {
        "type": "string"
      },
      "status": {
        "type": "string"
      },
      "failedKeys": {
        "type": "string"
      }
    },
    "required": [
      "importFile"
    ]
  },
  "ExportId": {
    "type": "array",
    "items": {
      "type": "string"
    }
  },
  "ImportId": {
    "type": "array",
    "items": {
      "type": "string"
    }
  },
  "ExportStatus": {
    "type": "object",
    "properties": {
      "status": {
        "type": "string"
      },
      "exportResourceId": {
        "type": "string"
      },
      "createTimeStamp": {
        "type": "string"
      },
      "percentage": {

```

```

        "type": "string"
      },
      "result": {
        "type": "string"
      }
    }
  },
  "ImportStatus": {
    "type": "object",
    "properties": {
      "status": {
        "type": "string"
      },
      "importResourceId": {
        "type": "string"
      },
      "createTimeStamp": {
        "type": "string"
      },
      "percentage": {
        "type": "string"
      },
      "progress": {
        "type": "string"
      },
      "result": {
        "type": "string"
      }
    }
  },
  "Download": {
    "type": "object"
  },
  "LogConfiguration": {
    "type": "object",
    "additionalProperties": true,
    "required": [
      "appLogLevel",
      "packageLogLevel"
    ],
    "properties": {
      "appLogLevel": {
        "type": "string",
        "enum": [
          "DEBUG",
          "WARN",
          "ERROR",
          "INFO"
        ]
      },
      "packageLogLevel": {
        "type": "array",
        "minItems": 3,
        "maxItems": 3,
        "uniqueItems": true,
        "items": {

```



```

    "anyOf": [
      {
        "type": "object",
        "properties": {
          "packageName": {
            "enum": [
              "jetty",
              "root",
              "micronaut"
            ],
            "type": "string",
            "description": "Logger package name."
          },
          "logLevelForPackage": {
            "enum": [
              "INFO",
              "DEBUG",
              "WARN",
              "ERROR",
              "TRACE"
            ],
            "type": "string",
            "description": "Log level assigned to the package."
          }
        },
        "required": [
          "packageName",
          "logLevelForPackage"
        ],
        "description": "Package log level configuration entry."
      }
    ],
    "description": "Package-specific log level configuration entries."
  },
  "additionalErrorLogging": {
    "type": "string",
    "enum": [
      "ENABLED",
      "DISABLED"
    ]
  },
  "logSubscriberInfo": {
    "type": "string",
    "enum": [
      "ENABLED",
      "DISABLED"
    ]
  }
},
"ExportToolLogConfiguration": {
  "type": "object",
  "additionalProperties": true,
  "required": [
    "appLogLevel",

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```

    "packageLogLevel"
  ],
  "properties": {
    "appLogLevel": {
      "type": "string",
      "enum": [
        "DEBUG",
        "WARN",
        "ERROR",
        "INFO"
      ]
    },
    "packageLogLevel": {
      "type": "array",
      "minItems": 2,
      "maxItems": 2,
      "uniqueItems": true,
      "items": {
        "anyOf": [
          {
            "type": "object",
            "properties": {
              "packageName": {
                "enum": [
                  "root",
                  "micronaut"
                ],
                "type": "string",
                "description": "Logger package name."
              },
              "logLevelForPackage": {
                "enum": [
                  "INFO",
                  "DEBUG",
                  "WARN",
                  "ERROR",
                  "TRACE"
                ],
                "type": "string",
                "description": "Log level assigned to the package."
              }
            },
            "required": [
              "packageName",
              "logLevelForPackage"
            ],
            "description": "Package log level configuration entry."
          }
        ]
      },
      "description": "Package-specific log level configuration entries."
    }
  },
  "DiameterGatewayLogConfiguration": {
    "type": "object",

```

```

    "additionalProperties": true,
    "required": [
      "appLogLevel",
      "packageLogLevel"
    ],
    "properties": {
      "appLogLevel": {
        "type": "string",
        "enum": [
          "DEBUG",
          "WARN",
          "ERROR",
          "INFO"
        ]
      },
      "packageLogLevel": {
        "type": "array",
        "minItems": 3,
        "maxItems": 3,
        "uniqueItems": true,
        "items": {
          "anyOf": [
            {
              "type": "object",
              "properties": {
                "packageName": {
                  "enum": [
                    "jetty",
                    "root",
                    "micronaut"
                  ],
                  "type": "string",
                  "description": "Logger package name."
                },
                "logLevelForPackage": {
                  "enum": [
                    "INFO",
                    "DEBUG",
                    "WARN",
                    "ERROR",
                    "TRACE"
                  ],
                  "type": "string",
                  "description": "Log level assigned to the package."
                }
              }
            },
            {
              "type": "string",
              "description": "Log level assigned to the package."
            }
          ]
        },
        "required": [
          "packageName",
          "logLevelForPackage"
        ],
        "description": "Package log level configuration entry."
      }
    ],
    "description": "Package-specific log level configuration entries."
  }
}

```

```

    }
  },
  "PackageLog": {
    "type": "object",
    "properties": {
      "packageName": {
        "type": "string",
        "description": "Logger package name."
      },
      "logLevelForPackage": {
        "type": "string",
        "enum": [
          "DEBUG",
          "ERROR",
          "INFO",
          "TRACE",
          "WARN"
        ],
        "description": "Log level assigned to the package."
      }
    },
    "required": [
      "packageName",
      "logLevelForPackage"
    ]
  },
  "GwLogConfiguration": {
    "type": "object",
    "required": [
      "appLogLevel"
    ],
    "properties": {
      "appLogLevel": {
        "type": "string",
        "enum": [
          "DEBUG",
          "ERROR",
          "WARN",
          "INFO",
          "TRACE"
        ]
      },
      "packageLogLevel": {
        "type": "array",
        "items": {
          "$ref": "#/components/schemas/PackageLog"
        }
      },
      "logDiscarding": {
        "$ref": "#/components/schemas/GWLogDiscarding"
      }
    },
    "example": {
      "appLogLevel": "WARN",
      "packageLogLevel": [
        {

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```

        "packageName": "root",
        "logLevelForPackage": "WARN"
    },
    {
        "packageName": "oauth",
        "logLevelForPackage": "WARN"
    }
],
"logDiscarding": {
    "enabled": false,
    "featureToThresholdMapping": []
}
},
"GWLogDiscarding": {
    "type": "object",
    "properties": {
        "enabled": {
            "type": "boolean"
        },
        "featureToThresholdMapping": {
            "type": "array",
            "minItems": 0,
            "items": {
                "$ref": "#/components/schemas/GWFeatureToThresholdMapping"
            }
        }
    }
},
"GWFeatureToThresholdMapping": {
    "type": "object",
    "properties": {
        "feature": {
            "type": "string"
        },
        "thresholdFactor": {
            "type": "integer"
        }
    }
},
"AllLogs": {
    "type": "array",
    "items": {
        "$ref": "#/components/schemas/AllLogCfg"
    }
},
"AllLogCfg": {
    "type": "object",
    "properties": {
        "nudr-drservice": {
            "type": "string"
        },
        "nudr-notify-service": {
            "type": "string"
        },
        "nudr-diameterproxy": {

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```

        "type": "string"
      },
      "diam-gateway": {
        "type": "string"
      },
      "nudr-dr-provservice": {
        "type": "string"
      },
      "nudr-bulk-import": {
        "type": "string"
      },
      "nudr-export-tool": {
        "type": "string"
      },
      "nudr-config": {
        "type": "string"
      },
      "ingress-gateway-sig": {
        "type": "string"
      },
      "ingress-gateway-prov": {
        "type": "string"
      },
      "egress-gateway": {
        "type": "string"
      },
      "alternate-route": {
        "type": "string"
      },
      "app-info": {
        "type": "string"
      },
      "perf-info": {
        "type": "string"
      },
      "nrf-client-nfmanagement": {
        "type": "string"
      }
    }
  },
  "OperationalStateConfiguration": {
    "type": "object",
    "description": "Operational state configuration.",
    "example": {
      "operationalState": "NORMAL"
    },
    "properties": {
      "operationalState": {
        "type": "string",
        "description": "Operational state of OCUDR.",
        "enum": [
          "NORMAL",
          "COMPLETE_SHUTDOWN"
        ]
      }
    }
  }
}

```

```

    },
    "OperationStateHistoryArray": {
      "type": "object",
      "description": "Operational state history entry.",
      "example": {
        "id": "14235346546E",
        "type": "operationalState",
        "value": "{\"state\":\"NORMAL\"}",
        "timeStamp": "2023-03-29T00:28:19.416171",
        "status": "SUCCESS"
      },
      "properties": {
        "id": {
          "type": "string",
          "description": "Unique identifier of the operational state
history entry."
        },
        "timeStamp": {
          "type": "string",
          "description": "Timestamp at which the operational state history
entry was created."
        },
        "type": {
          "type": "string",
          "description": "History entry type.",
          "enum": [
            "operationalState"
          ]
        },
        "value": {
          "type": "string",
          "description": "Operational state payload stored for the history
entry."
        },
        "status": {
          "type": "string",
          "description": "Outcome of the operational state update.",
          "enum": [
            "SUCCESS",
            "FAILURE"
          ]
        }
      }
    },
    "LoggingConfig": {
      "type": "object",
      "description": "Logging configuration for the service.",
      "properties": {
        "appLogLevel": {
          "type": "string",
          "enum": [
            "CRITICAL",
            "FATAL",
            "ERROR",
            "WARN",
            "WARNING",

```

```

        "INFO",
        "DEBUG",
        "TRACE"
    ],
    "description": "Application log level."
},
"packageLogLevel": {
    "type": "array",
    "minItems": 0,
    "maxItems": 10,
    "uniqueItems": true,
    "items": {
        "$ref": "#/components/schemas/PackageLogLevelItems"
    },
    "description": "Package-specific log level overrides."
}
},
"required": [
    "appLogLevel"
],
"example": {
    "appLogLevel": "WARN",
    "packageLogLevel": [
        {
            "packageName": "root",
            "logLevelForPackage": "WARN"
        }
    ]
}
},
"PackageLogLevelItems": {
    "type": "object",
    "properties": {
        "packageName": {
            "type": "string",
            "enum": [
                "service_monitor",
                "flask.app",
                "flask",
                "dbtest",
                "perf_info",
                "perfapp",
                "data2sum",
                "log_level_agent",
                "overload_manager",
                "root",
                "httpx",
                "hpack",
                "httpcore",
                "hpack.hpack",
                "hpack.table",
                "omc",
                "omc.config",
                "omc.query",
                "omc.metrics"
            ]
        }
    }
},

```



```

        "description": "Logger package name."
    },
    "logLevelForPackage": {
        "type": "string",
        "enum": [
            "CRITICAL",
            "FATAL",
            "ERROR",
            "WARN",
            "WARNING",
            "INFO",
            "DEBUG",
            "TRACE"
        ],
        "description": "Log level assigned to the package."
    }
},
"required": [
    "packageName",
    "logLevelForPackage"
],
"description": "Package log level configuration entry."
},
"OverloadLevelThreshold": {
    "type": [
        "array",
        "null"
    ],
    "description": "Overload service load level threshold list.",
    "example": [
        {
            "svcName": "ocudr-nudr-drservice",
            "metricsThresholdList": [
                {
                    "metricsName": "svc_failure_count",
                    "levelThresholdList": [
                        {
                            "level": "L1",
                            "onsetValue": 13000,
                            "abatementValue": 12500
                        },
                        {
                            "level": "L2",
                            "onsetValue": 14000,
                            "abatementValue": 13500
                        },
                        {
                            "level": "L3",
                            "onsetValue": 15000,
                            "abatementValue": 14500
                        },
                        {
                            "level": "L4",
                            "onsetValue": 16000,
                            "abatementValue": 15500
                        }
                    ]
                }
            ]
        }
    ]
}

```

```

    ]
  },
  {
    "metricsName": "cpu",
    "levelThresholdList": [
      {
        "level": "L1",
        "onsetValue": 75,
        "abatementValue": 70
      },
      {
        "level": "L2",
        "onsetValue": 80,
        "abatementValue": 78
      },
      {
        "level": "L3",
        "onsetValue": 85,
        "abatementValue": 82
      },
      {
        "level": "L4",
        "onsetValue": 90,
        "abatementValue": 88
      }
    ]
  },
  {
    "metricsName": "svc_pending_count",
    "levelThresholdList": [
      {
        "level": "L1",
        "onsetValue": 12000,
        "abatementValue": 11500
      },
      {
        "level": "L2",
        "onsetValue": 13000,
        "abatementValue": 12500
      },
      {
        "level": "L3",
        "onsetValue": 15000,
        "abatementValue": 14500
      },
      {
        "level": "L4",
        "onsetValue": 16000,
        "abatementValue": 15500
      }
    ]
  }
]
},
]
},
],
"uniqueItems": true,

```

```

    "items": {
      "$ref": "#/components/schemas/OverloadServiceThreshold"
    }
  },
  "OverloadServiceThreshold": {
    "type": "object",
    "properties": {
      "svcName": {
        "type": "string",
        "description": "Service name."
      },
      "metricsThresholdList": {
        "type": [
          "array",
          "null"
        ],
        "description": "Metrics threshold list for the service.",
        "uniqueItems": true,
        "items": {
          "$ref": "#/components/schemas/MetricsThreshold"
        }
      }
    },
    "required": [
      "svcName",
      "metricsThresholdList"
    ],
    "description": "Overload service load level threshold entry."
  },
  "MetricsThreshold": {
    "type": "object",
    "properties": {
      "metricsName": {
        "type": "string",
        "description": "Metric name.",
        "enum": [
          "svc_pending_count",
          "svc_failure_count",
          "cpu",
          "memory"
        ]
      },
      "levelThresholdList": {
        "type": [
          "array",
          "null"
        ],
        "description": "Load level threshold list for the metric.",
        "uniqueItems": true,
        "items": {
          "$ref": "#/components/schemas/LevelThreshold"
        }
      }
    },
    "required": [
      "metricsName",

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```

        "levelThresholdList"
      ],
      "description": "Overload metric load level threshold entry."
    },
    "LevelThreshold": {
      "type": "object",
      "properties": {
        "level": {
          "type": "string",
          "description": "Overload level."
        },
        "onsetValue": {
          "type": "integer",
          "description": "Onset threshold value for the overload level.",
          "minimum": 0
        },
        "abatementValue": {
          "type": "integer",
          "description": "Abatement threshold value for the overload
level.",
          "minimum": 0
        }
      },
      "required": [
        "level",
        "onsetValue",
        "abatementValue"
      ],
      "description": "Overload level threshold entry."
    },
    "ActiveOverloadLevelThresholdProfile": {
      "type": "object",
      "properties": {
        "name": {
          "type": "string"
        },
        "isCustomProfile": {
          "type": "boolean"
        }
      },
      "required": [
        "name",
        "isCustomProfile"
      ]
    },
    "OverloadLevelThresholdProfile": {
      "type": "object",
      "properties": {
        "name": {
          "type": "string"
        },
        "value": {
          "$ref": "#/components/schemas/OverloadLevelThreshold"
        }
      },
      "required": [

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        "name",
        "value"
    ]
},
"PerfInfoConfig": {
    "type": "object",
    "properties": {
        "logging": {
            "$ref": "#/components/schemas/LoggingConfig"
        },
        "overloadLevelThreshold": {
            "$ref": "#/components/schemas/OverloadLevelThreshold"
        },
        "activeOverloadLevelThresholdProfileName": {
            "$ref": "#/components/schemas/ActiveOverloadLevelThresholdProfile"
        },
        "systemOverloadLevelThresholdProfiles": {
            "type": "array",
            "items": {
                "$ref": "#/components/schemas/OverloadLevelThresholdProfile"
            }
        },
        "customOverloadLevelThresholdProfiles": {
            "type": "array",
            "items": {
                "$ref": "#/components/schemas/OverloadLevelThresholdProfile"
            }
        }
    }
},
"AppLoggingConfig": {
    "type": "object",
    "description": "Application logging configuration.",
    "properties": {
        "appLogLevel": {
            "type": "string",
            "enum": [
                "CRITICAL",
                "FATAL",
                "ERROR",
                "WARN",
                "WARNING",
                "INFO",
                "DEBUG",
                "TRACE"
            ],
            "description": "Application log level."
        },
        "packageLogLevel": {
            "type": "array",
            "minItems": 0,
            "maxItems": 6,
            "uniqueItems": true,
            "items": {
                "$ref": "#/components/schemas/PackageLogLevel"
            }
        }
    }
},

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        "description": "Package-specific log level overrides."
    },
    },
    "required": [
        "appLogLevel"
    ]
},
"PackageLogLevel": {
    "type": "object",
    "properties": {
        "packageName": {
            "type": "string",
            "enum": [
                "namespace_runtime_info",
                "service_monitor",
                "mysql_monitor",
                "replication_status_monitor",
                "service_status_scraper",
                "log_level_agent"
            ],
            "description": "Logger package name."
        },
        "logLevelForPackage": {
            "type": "string",
            "enum": [
                "CRITICAL",
                "FATAL",
                "ERROR",
                "WARN",
                "WARNING",
                "INFO",
                "DEBUG",
                "TRACE"
            ],
            "description": "Log level assigned to the package."
        }
    },
    "required": [
        "packageName",
        "logLevelForPackage"
    ],
    "description": "Package log level configuration entry."
},
"NfScoringConfig": {
    "type": "object",
    "description": "NF scoring configuration.",
    "example": {
        "enableNFScoring": false,
        "tps": {
            "enable": true,
            "maxScore": 20,
            "maxTps": 33
        }
    },
    "serviceHealth": {
        "enable": true,
        "maxScore": 30
    }
}

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    },
    "signallingConnections": {
      "enable": true,
      "maxScore": 20,
      "maxConnections": 40
    },
    "replicationHealth": {
      "enable": true,
      "maxScore": 30
    },
    "localitySitePreference": {
      "enable": true,
      "score": 5
    },
    "activeAlert": {
      "enable": true,
      "criticalAlertWeightage": 2,
      "majorAlertWeightage": 1,
      "minorAlertWeightage": 0
    },
    "customCriteria": [
      {
        "name": "BulkImport",
        "enable": true,
        "metricName": "nudur_bulk_import_records_processed_total",
        "scoringType": "ratio",
        "maxScore": 20,
        "maxValue": 20,
        "weightage": 5
      },
      {
        "name": "BulkExport",
        "enable": true,
        "metricName": "export_tool_status_total",
        "scoringType": "ratio",
        "maxScore": 20,
        "maxValue": 20,
        "weightage": 5
      }
    ]
  },
  "properties": {
    "enableNFScoring": {
      "type": "boolean",
      "description": "Flag used to enable or disable the NF scoring
feature.",
      "default": false
    },
    "tps": {
      "$ref": "#/components/schemas/TpsConfig"
    },
    "serviceHealth": {
      "$ref": "#/components/schemas/ServiceHealthConfig"
    },
    "signallingConnections": {
      "$ref": "#/components/schemas/SignallingConnectionsConfig"
    }
  }
}

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    },
    "replicationHealth": {
      "$ref": "#/components/schemas/ReplicationHealthConfig"
    },
    "localitySitePreference": {
      "$ref": "#/components/schemas/LocalitySitePreferenceConfig"
    },
    "activeAlert": {
      "$ref": "#/components/schemas/ActiveAlertConfig"
    },
    "customCriteria": {
      "type": "array",
      "description": "Custom scoring criteria.",
      "items": {
        "$ref": "#/components/schemas/CustomCriteria"
      }
    }
  },
  "required": [
    "enableNFScoring",
    "tps",
    "serviceHealth",
    "signallingConnections",
    "replicationHealth",
    "localitySitePreference",
    "activeAlert"
  ],
  "additionalProperties": false
},
"NfScoreResponse": {
  "type": "object",
  "description": "Calculated NF score response.",
  "example": {
    "NFScore": 100,
    "detailedReport": {
      "failedFactors": [],
      "scoringFactors": [
        {
          "criteria": "tps",
          "label": "TPS",
          "score": 20,
          "status": "SUCCESS"
        },
        {
          "criteria": "serviceHealth",
          "label": "Service Health",
          "score": 30,
          "status": "SUCCESS"
        }
      ]
    }
  ]
},
"properties": {
  "NFScore": {
    "type": "integer",
    "description": "Calculated NF score value."
  }
}

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    },
    "detailedReport": {
      "$ref": "#/components/schemas/NfScoreDetailedReport"
    }
  },
  "required": [
    "NfScore",
    "detailedReport"
  ]
},
"NfScoreDetailedReport": {
  "type": "object",
  "description": "Detailed NF score report.",
  "properties": {
    "failedFactors": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/NfScoreDetailedReportItem"
      }
    },
    "scoringFactors": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/NfScoreDetailedReportItem"
      }
    }
  },
  "required": [
    "failedFactors",
    "scoringFactors"
  ]
},
"NfScoreDetailedReportItem": {
  "type": "object",
  "description": "Detailed NF score entry for a scoring criterion.",
  "properties": {
    "criteria": {
      "type": "string",
      "description": "NF score criterion name.",
      "enum": [
        "tps",
        "serviceHealth",
        "signallingConnections",
        "replicationHealth",
        "localityPreference",
        "activeAlert",
        "BulkImport",
        "BulkExport"
      ]
    },
    "label": {
      "type": "string",
      "description": "Display label for the NF score criterion.",
      "enum": [
        "TPS",
        "Service Health",

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        "Signalling Connections",
        "Replication Health",
        "Locality Preference",
        "Active Alert",
        "Bulk Import",
        "Bulk Export"
    ]
},
"score": {
    "type": "integer",
    "description": "Score calculated for the criterion."
},
"status": {
    "type": "string",
    "description": "Calculation status for the criterion."
}
},
"additionalProperties": true
},
"AppInfoConfig": {
    "type": "object",
    "properties": {
        "logging": {
            "$ref": "#/components/schemas/AppLoggingConfig"
        },
        "nfScoring": {
            "$ref": "#/components/schemas/NfScoringConfig"
        },
        "dbClusterEventTracking": {
            "$ref": "#/components/schemas/DbClusterEventTracking"
        }
    }
},
"tpsConfig": {
    "type": "object",
    "description": "TPS configuration.",
    "required": [
        "enable"
    ],
    "properties": {
        "enable": {
            "type": "boolean",
            "description": "Flag used to enable or disable TPS scoring.",
            "default": false
        },
        "maxScore": {
            "type": "integer",
            "minimum": 1,
            "maximum": 100,
            "default": 20
        },
        "maxTps": {
            "type": "integer",
            "minimum": 1,
            "maximum": 1000000
        }
    }
}

```

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    },
    "additionalProperties": false
  },
  "ServiceHealthConfig": {
    "type": "object",
    "description": "Service health configuration.",
    "required": [
      "enable"
    ],
    "properties": {
      "enable": {
        "type": "boolean",
        "description": "Flag used to enable or disable service health
scoring.",
        "default": false
      },
      "maxScore": {
        "type": "integer",
        "minimum": 1,
        "maximum": 100,
        "default": 30
      }
    },
    "additionalProperties": false
  },
  "SignallingConnectionsConfig": {
    "type": "object",
    "description": "Signalling connections configuration.",
    "required": [
      "enable"
    ],
    "properties": {
      "enable": {
        "type": "boolean",
        "description": "Flag used to enable or disable signalling
connections scoring.",
        "default": false
      },
      "maxScore": {
        "type": "integer",
        "minimum": 1,
        "maximum": 100,
        "default": 20
      },
      "maxConnections": {
        "type": "integer",
        "minimum": 1,
        "maximum": 100
      }
    },
    "additionalProperties": false
  },
  "ReplicationHealthConfig": {
    "type": "object",
    "description": "Replication health configuration.",
    "required": [

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        "enable"
      ],
      "properties": {
        "enable": {
          "type": "boolean",
          "description": "Flag used to enable or disable replication health
scoring.",
          "default": false
        },
        "maxScore": {
          "type": "integer",
          "minimum": 1,
          "maximum": 100,
          "default": 30
        }
      },
      "additionalProperties": false
    },
    "LocalitySitePreferenceConfig": {
      "type": "object",
      "description": "Locality site preference configuration.",
      "required": [
        "enable"
      ],
      "properties": {
        "enable": {
          "type": "boolean",
          "description": "Flag used to enable or disable locality site
preference scoring.",
          "default": false
        },
        "score": {
          "type": "integer",
          "minimum": 1,
          "maximum": 100,
          "default": 5
        }
      },
      "additionalProperties": false
    },
    "ActiveAlertConfig": {
      "type": "object",
      "description": "Active alert configuration.",
      "required": [
        "enable"
      ],
      "properties": {
        "enable": {
          "type": "boolean",
          "description": "Flag used to enable or disable active alert
scoring.",
          "default": false
        },
        "criticalAlertWeightage": {
          "type": "integer",
          "minimum": 0,

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        "maximum": 100,
        "default": 2
    },
    "majorAlertWeightage": {
        "type": "integer",
        "minimum": 0,
        "maximum": 100,
        "default": 1
    },
    "minorAlertWeightage": {
        "type": "integer",
        "minimum": 0,
        "maximum": 100,
        "default": 0
    }
},
"additionalProperties": false
},
"CustomCriteria": {
    "type": "object",
    "description": "Data related to a custom scoring criterion.",
    "properties": {
        "enable": {
            "type": "boolean",
            "description": "Flag used to enable or disable the custom scoring
criterion.",
            "default": false
        },
        "name": {
            "type": "string",
            "description": "Custom scoring criterion name."
        },
        "metricName": {
            "type": "string",
            "description": "Metric name used for the custom scoring
criterion."
        },
        "scoringType": {
            "enum": [
                "ratio",
                "weightage"
            ],
            "type": "string",
            "description": "Type of NF scoring for the custom criterion.",
            "default": "ratio"
        },
        "maxScore": {
            "type": "integer",
            "description": "Maximum score for ratio-based NF score
calculation.",
            "minimum": 1,
            "maximum": 100
        },
        "maxValue": {
            "type": "integer",
            "description": "Maximum value for ratio-based NF score

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    calculation.",
      "minimum": 1,
      "maximum": 10000
    },
    "weightage": {
      "type": "integer",
      "description": "Weightage for weightage-based NF score
calculation.",
      "minimum": 0,
      "maximum": 100
    }
  }
},
"DbClusterEventTracking": {
  "type": "object",
  "description": "DB cluster event tracking configuration.",
  "properties": {
    "enabled": {
      "type": "boolean",
      "description": "flag used to enable and disable DB Cluster Event
Tracking feature"
    },
    "autoTransition": {
      "type": "boolean",
      "description": "flag used to transition NF state from failure to
functional state automatically"
    }
  },
  "additionalProperties": false,
  "required": [
    "enabled",
    "autoTransition"
  ]
},
"NrfLoggingConfig": {
  "type": "object",
  "description": "The attribute represents the log level Configuration
for NrfClient Management Service",
  "properties": {
    "appLogLevel": {
      "type": "string",
      "enum": [
        "INFO",
        "DEBUG",
        "WARN",
        "ERROR",
        "FATAL",
        "OFF",
        "TRACE",
        "ALL"
      ],
      "description": "Values of LogLevel"
    },
    "packageLogLevel": {
      "type": "array",
      "minItems": 1,

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        "maxItems": 1,
        "uniqueItems": true,
        "items": {
          "$ref": "#/components/schemas/NrfPackageLogLevel"
        },
        "description": "The attribute represents the package level
logging for NrfClient Management Service"
      },
      "additionalErrorLogging": {
        "type": "string",
        "enum": [
          "ENABLED",
          "DISABLED"
        ],
        "description": "This attribute allows the microservice to enable
or disable the printing of new error fields on logs"
      },
      "logSubscriberInfo": {
        "type": "string",
        "enum": [
          "ENABLED",
          "DISABLED"
        ],
        "description": "This attribute allows the microservice to enable
or disable the printing of subscriber ID information in the log"
      }
    ],
    "required": [
      "appLogLevel",
      "packageLogLevel"
    ],
    "example": {
      "appLogLevel": "WARN",
      "packageLogLevel": [
        {
          "packageName": "root",
          "logLevelForPackage": "WARN"
        }
      ],
      "additionalErrorLogging": "DISABLED",
      "logSubscriberInfo": "DISABLED"
    }
  },
  "NrfPackageLogLevel": {
    "type": "object",
    "properties": {
      "packageName": {
        "type": "string",
        "enum": [
          "root"
        ],
        "description": "The package Name."
      },
      "logLevelForPackage": {
        "type": "string",
        "enum": [

```

```

        "INFO",
        "DEBUG",
        "WARN",
        "ERROR",
        "FATAL",
        "OFF",
        "TRACE",
        "ALL"
    ],
    "description": "Values of LogLevel"
  }
},
"required": [
  "packageName",
  "logLevelForPackage"
],
"description": "The attribute is the list of Package names."
},
"NfProfile": {
  "type": "object",
  "description": "The attribute represents the individual nfProfile for
NrfClient Management Service."
},
"GeneralOptions": {
  "type": "object",
  "description": "The attribute represents the General options of
NrfClient Management Service.",
  "example": {
    "nfProfileUpdateMode": "CompleteUpdate",
    "triggerNfRegistration": true
  },
  "properties": {
    "nfProfileUpdateMode": {
      "type": "string",
      "enum": [
        "CompleteUpdate",
        "PartialUpdate"
      ],
      "default": "CompleteUpdate",
      "description": "The attribute represents the mode for NFUpdate of
NRFClient Management Service."
    },
    "triggerNfRegistration": {
      "type": "boolean",
      "default": true,
      "description": "This attribute controls the autonomous
registration of the NF."
    }
  },
  "required": [
    "nfProfileUpdateMode"
  ],
  "additionalProperties": false
},
"NrfRoute": {
  "type": "object",

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```

    "properties": {
      "scheme": {
        "type": "string",
        "description": "The scheme of NrfRoute."
      },
      "nrfApi": {
        "type": "string",
        "description": "The Api for NrfRoute."
      },
      "priority": {
        "type": "integer",
        "description": "The priority for NrfRoute."
      },
      "weight": {
        "type": "integer",
        "description": "The weight for NrfRoute."
      }
    },
    "description": "The attribute is the NRF Route."
  },
  "NrfRouteList": {
    "type": "array",
    "description": "The attribute represents the list of NRF Routes.",
    "uniqueItems": true,
    "example": [
      {
        "nrfApi": "nrfDeployName-nrf-1:8080",
        "scheme": "http",
        "weight": 100,
        "priority": 1
      }
    ],
    "items": {
      "$ref": "#/components/schemas/NrfRoute"
    }
  },
  "DynamicLoadAndCapacity": {
    "type": "object",
    "description": "Dynamic load and capacity configuration for NRF
Client NF Management Service.",
    "example": {
      "nfProfileCapacity": true,
      "nfProfileLoad": true,
      "nfServiceCapacity": true,
      "nfServiceLoad": true
    },
    "properties": {
      "nfProfileCapacity": {
        "type": "boolean",
        "description": "Flag that determines whether NF profile capacity
is taken from perf-info or from the operator."
      },
      "nfProfileLoad": {
        "type": "boolean",
        "description": "Flag that determines whether NF profile load is
taken from perf-info or from the operator."
      }
    }
  }

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    },
    "nfServiceCapacity": {
      "type": "boolean",
      "description": "Flag that determines whether NF service capacity
is taken from perf-info or from the operator."
    },
    "nfServiceLoad": {
      "type": "boolean",
      "description": "Flag that determines whether NF service load is
taken from perf-info or from the operator."
    }
  },
  "additionalProperties": false,
  "required": [
    "nfProfileCapacity",
    "nfProfileLoad",
    "nfServiceCapacity",
    "nfServiceLoad"
  ]
},
"NfPeerInfoSettings": {
  "type": "object",
  "description": "Configuration object that defines the behaviour of
the SBI-NF-Peer-Info Header feature",
  "properties": {
    "enabledNfPeerInfoHeaderInterface": {
      "type": "boolean",
      "description": "Flag to enable/disable the SBI-NF-Peer-Info
Header feature"
    },
    "includeSrcServInstId": {
      "type": "boolean",
      "description": "Flag to include/remove srcservinst to the SBI-NF-
Peer-Info Header feature"
    }
  }
},
"TrafficPrioritization": {
  "type": "object",
  "description": "Configuration object that defines the behaviour of
the trafficPrioritization feature",
  "properties": {
    "featureEnabled": {
      "type": "boolean",
      "description": "Flag to enable/disable the trafficPrioritization
feature"
    }
  },
  "incomingPriorityHeader": {
    "type": "string",
    "description": "Header name for the incoming request"
  },
  "outgoingPriorityHeader": {
    "type": "string",
    "description": "Header name for the outgoing request"
  },
  "nfSubscribeMessageTypes": {

```

```

        "type": "array",
        "description": "Message priority value for subscribe autonomous
message request types, all autonomous operation associated to
nrfClientSubscribeTypes",
        "uniqueItems": true,
        "items": {
            "$ref": "#/components/schemas/NfSubscribeMessageType"
        }
    },
    "messageTypes": {
        "type": "array",
        "description": "Message priority value for rest of the message
request types that are not nfSubscribe Message types",
        "uniqueItems": true,
        "items": {
            "$ref": "#/components/schemas/MessageType"
        }
    }
},
"additionalProperties": false,
"required": [
    "featureEnabled",
    "incomingPriorityHeader",
    "outgoingPriorityHeader",
    "nfSubscribeMessageTypes",
    "messageTypes"
]
},
"NfSubscribeMessageType": {
    "type": "object",
    "properties": {
        "messageType": {
            "type": "string",
            "enum": [
                "AutonomousNfDiscovery",
                "AutonomousNfSubscribe",
                "AutonomousNfUnSubscribe",
                "AutonomousNfSubscriptionUpdate"
            ],
            "description": "Message type can be autonomous"
        }
    },
    "subscribeNfTypes": {
        "type": "array",
        "description": "List of nfTypes for the configured priority",
        "uniqueItems": true,
        "items": {
            "$ref": "#/components/schemas/SubscribeNfType"
        }
    }
},
"additionalProperties": false,
"required": [
    "messageType",
    "subscribeNfTypes"
]
},

```

```

"SubscribeNfType": {
  "type": "object",
  "properties": {
    "nfType": {
      "type": "string",
      "description": "Name of the configured nfType"
    },
    "priority": {
      "type": "string",
      "pattern": "^[0-9]|1[0-9]|2[0-9]|3[01])$",
      "description": "Priority value set for the specified nfType"
    }
  },
  "required": [
    "nfType",
    "priority"
  ]
},
"MessageType": {
  "type": "object",
  "properties": {
    "messageType": {
      "type": "string",
      "enum": [
        "AutonomousOnDemandNFRegistration",
        "AutonomousHealthCheck",
        "NfDiscovery",
        "NfHeartBeat",
        "AutonomousNfPatch",
        "NfProfileUpdate",
        "NfSubscribe",
        "NfSubscriptionUpdate",
        "NfUnSubscribe",
        "NfDeRegistration",
        "AutonomousNfDeRegistration",
        "NfProfileRetrieval",
        "NfListRetrieval"
      ],
      "description": "Type of non discovery message request"
    },
    "priority": {
      "type": "string",
      "pattern": "^[0-9]|1[0-9]|2[0-9]|3[01])$",
      "description": "Priority value set for the specified request type"
    }
  },
  "additionalProperties": false,
  "required": [
    "messageType",
    "priority"
  ]
},
"NrfClientConfig": {
  "type": "object",
  "properties": {
    "logging": {

```

```

        "$ref": "#/components/schemas/NrfLoggingConfig"
      },
      "nfProfileList": {
        "type": "array",
        "description": "The attribute represents the list of nfProfiles
for NrfClient Management Service.",
        "items": {
          "$ref": "#/components/schemas/NfProfile"
        }
      },
      "generalOptions": {
        "$ref": "#/components/schemas/GeneralOptions"
      },
      "nrfRouteList": {
        "$ref": "#/components/schemas/NrfRouteList"
      },
      "dynamicLoadAndCapacity": {
        "$ref": "#/components/schemas/DynamicLoadAndCapacity"
      },
      "nfPeerInfoSettings": {
        "$ref": "#/components/schemas/NfPeerInfoSettings"
      },
      "trafficPrioritization": {
        "$ref": "#/components/schemas/TrafficPrioritization"
      }
    }
  },
  "AltRouteLoggingConfig": {
    "type": "object",
    "description": "Alternate Route logging configuration.",
    "properties": {
      "appLogLevel": {
        "type": "string",
        "enum": [
          "INFO",
          "DEBUG",
          "WARN",
          "ERROR",
          "FATAL",
          "OFF",
          "TRACE",
          "ALL"
        ],
        "description": "Application log level."
      },
      "packageLogLevel": {
        "type": "array",
        "minItems": 1,
        "maxItems": 1,
        "uniqueItems": true,
        "items": {
          "$ref": "#/components/schemas/AltRoutePackageLogLevel"
        },
        "description": "Package-specific log level overrides."
      }
    }
  },

```

```

    "required": [
      "appLogLevel",
      "packageLogLevel"
    ],
    "example": {
      "appLogLevel": "WARN",
      "packageLogLevel": [
        {
          "packageName": "root",
          "logLevelForPackage": "WARN"
        }
      ]
    }
  },
  "AltRoutePackageLogLevel": {
    "type": "object",
    "properties": {
      "packageName": {
        "type": "string",
        "enum": [
          "root"
        ],
        "description": "Logger package name."
      },
      "logLevelForPackage": {
        "type": "string",
        "enum": [
          "INFO",
          "DEBUG",
          "WARN",
          "ERROR",
          "FATAL",
          "OFF",
          "TRACE",
          "ALL"
        ],
        "description": "Log level assigned to the package."
      }
    },
    "required": [
      "packageName",
      "logLevelForPackage"
    ],
    "description": "Package log level configuration entry."
  },
  "UpstreamDnsConfig": {
    "type": "object",
    "description": "Upstream DNS configuration.",
    "properties": {
      "enabled": {
        "type": "boolean"
      },
      "host": {
        "type": "string"
      },
      "port": {

```

```

        "type": "string"
      },
      "zone": {
        "type": "string"
      },
      "tsigKeyNamespace": {
        "type": "string"
      },
      "tsigKeySecretName": {
        "type": "string"
      },
      "upstreamDNSTimeout": {
        "type": "integer"
      },
      "watchSecretTimeout": {
        "type": "integer"
      },
      "fixedTsigKeyMonitorDelay": {
        "type": "integer"
      }
    },
    "required": [
      "enabled"
    ]
  },
  "AltRouteConfig": {
    "type": "object",
    "properties": {
      "logging": {
        "$ref": "#/components/schemas/AltRouteLoggingConfig"
      },
      "upstreamDnsConfig": {
        "$ref": "#/components/schemas/UpstreamDnsConfig"
      }
    }
  },
  "HealthCheckConfigObject": {
    "type": "object",
    "properties": {
      "healthCheckResponseCode": {
        "type": "integer",
        "enum": [
          200,
          201,
          202,
          203,
          204,
          205,
          206,
          207,
          208,
          226
        ],
        "description": "Parameter to configure health check response code"
      },
      "healthCheckRequestMethod": {

```

```

        "type": "string",
        "enum": [
            "GET",
            "OPTIONS"
        ],
        "description": "Parameter to configure health check request
method"
    },
    "healthCheckResourceUri": {
        "type": "string",
        "description": "Parameter to configure health check request
method"
    }
},
"required": [
    "healthCheckResponseCode",
    "healthCheckRequestMethod",
    "healthCheckResourceUri"
]
},
"HealthCheckConfig": {
    "type": "object",
    "properties": {
        "enabled": {
            "type": "boolean",
            "description": "Flag for enabling health-check-monitoring feature"
        },
        "healthCheckConfigObject": {
            "$ref": "#/components/schemas/HealthCheckConfigObject"
        }
    },
    "required": [
        "enabled",
        "healthCheckConfigObject"
    ],
    "description": "Health check configuration",
    "additionalProperties": false
},
"GWPackageLogLevel": {
    "type": "object",
    "properties": {
        "packageName": {
            "type": "string",
            "enum": [
                "root",
                "oauth"
            ],
            "description": "Logger package name."
        },
        "logLevelForPackage": {
            "type": "string",
            "enum": [
                "INFO",
                "DEBUG",
                "WARN",
                "ERROR",

```



```

        "FATAL",
        "OFF",
        "TRACE",
        "ALL"
    ],
    "description": "Log level assigned to the package."
  }
},
"required": [
  "packageName",
  "logLevelForPackage"
],
"description": "Package log level configuration entry."
},
"GWLoggingConfig": {
  "type": "object",
  "properties": {
    "appLogLevel": {
      "type": "string",
      "enum": [
        "INFO",
        "DEBUG",
        "WARN",
        "ERROR",
        "FATAL",
        "OFF",
        "TRACE",
        "ALL"
      ]
    },
    "description": "Application log level."
  },
  "packageLogLevel": {
    "type": "array",
    "minItems": 2,
    "maxItems": 2,
    "uniqueItems": true,
    "items": {
      "$ref": "#/components/schemas/GWPackageLogLevel"
    },
    "description": "Package-specific log level overrides."
  },
  "logDiscarding": {
    "$ref": "#/components/schemas/LogDiscarding"
  },
  "additionalErrorLogging": {
    "type": "string",
    "enum": [
      "ENABLED",
      "DISABLED"
    ]
  },
  "logSubscriberInfo": {
    "type": "string",
    "enum": [
      "ENABLED",
      "DISABLED"
    ]
  }
}

```

```

    ]
  },
  "required": [
    "appLogLevel",
    "packageLogLevel"
  ]
},
"LogDiscarding": {
  "type": "object",
  "properties": {
    "enabled": {
      "type": "boolean"
    },
    "featureToThresholdMapping": {
      "type": "array",
      "uniqueItems": true,
      "items": {
        "$ref": "#/components/schemas/FeatureToThresholdMapping"
      }
    }
  },
  "required": [
    "enabled",
    "featureToThresholdMapping"
  ]
},
"FeatureToThresholdMapping": {
  "type": "object",
  "properties": {
    "feature": {
      "type": "string",
      "enum": [
        "RATE_LIMITING",
        "OVERLOAD_CONTROL",
        "ROUTE_LEVEL_RATE_LIMITING",
        "RSS_RATE_LIMITING",
        "EGRESS_RATE_LIMITING"
      ]
    },
    "thresholdFactor": {
      "type": "integer"
    }
  },
  "required": [
    "feature",
    "thresholdFactor"
  ]
},
"OAuthValidatorConfiguration": {
  "type": "object",
  "description": "Validator configurations for OAuth",
  "required": [
    "oauthValidationMode"
  ],
  "example": {

```

```

    "keyIdList": [],
    "instanceIdList": [],
    "oauthValidationMode": "KID_PREFERRED"
  },
  "properties": {
    "keyIdList": {
      "type": [
        "array",
        "null"
      ],
      "uniqueItems": true,
      "maxItems": 150,
      "description": "Array containing KID based configuration",
      "items": {
        "anyOf": [
          {
            "type": "object",
            "properties": {
              "keyId": {
                "type": "string",
                "minLength": 1,
                "maxLength": 36,
                "pattern": "[a-zA-Z0-9]"
              },
              "kSecretName": {
                "type": "string"
              },
              "certName": {
                "type": "string"
              },
              "certAlgorithm": {
                "type": "string"
              }
            }
          },
          {
            "required": [
              "keyId",
              "kSecretName",
              "certName",
              "certAlgorithm"
            ]
          }
        ]
      }
    },
    "instanceIdList": {
      "type": [
        "array",
        "null"
      ],
      "uniqueItems": true,
      "maxItems": 150,
      "description": "Array containing Instance Id based configuration",
      "items": {
        "anyOf": [
          {
            "type": "object",

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```

        "properties": {
          "instanceId": {
            "type": "string"
          },
          "kSecretName": {
            "type": "string"
          },
          "certName": {
            "type": "string"
          },
          "certAlgorithm": {
            "type": "string"
          }
        },
        "required": [
          "instanceId",
          "kSecretName",
          "certName",
          "certAlgorithm"
        ]
      }
    ]
  },
  "oauthValidationMode": {
    "type": "string",
    "enum": [
      "KID_ONLY",
      "INSTANCEID_ONLY",
      "KID_PREFERRED"
    ],
    "description": "Mode of validation"
  }
},
"ErrorCodeProfiles": {
  "type": [
    "array",
    "null"
  ],
  "description": "Error code profile configurations.",
  "example": [
    {
      "name": "error429",
      "errorCode": 429,
      "errorCause": "",
      "errorTitle": "",
      "redirectURL": "",
      "retry-after": "",
      "errorDescription": ""
    }
  ],
  "uniqueItems": true,
  "items": {
    "anyOf": [
      {

```

```
"type": "object",
"description": "Error code profile configuration entry.",
"required": [
  "name",
  "errorCode"
],
"properties": {
  "name": {
    "type": "string"
  },
  "errorCode": {
    "type": "integer",
    "enum": [
      100,
      101,
      102,
      103,
      200,
      201,
      202,
      203,
      204,
      205,
      206,
      207,
      208,
      226,
      300,
      301,
      302,
      303,
      304,
      305,
      306,
      307,
      308,
      400,
      401,
      402,
      403,
      404,
      405,
      406,
      407,
      408,
      409,
      410,
      411,
      412,
      413,
      414,
      415,
      416,
      417,
      418,
      421,
```

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        422,
        423,
        424,
        425,
        426,
        428,
        429,
        431,
        444,
        451,
        499,
        500,
        501,
        502,
        503,
        504,
        505,
        506,
        507,
        508,
        510,
        511,
        599
    ]
},
"errorDescription": {
    "type": "string",
    "default": ""
},
"errorTitle": {
    "type": "string",
    "default": ""
},
"errorCause": {
    "type": "string",
    "default": ""
},
"redirectURL": {
    "type": "string",
    "default": ""
},
"retry-after": {
    "type": "string"
}
}
}
}
},
"OCDiscardPolicies": {
    "type": [
        "array",
        "null"
    ],
    "description": "Overload control discard policy configurations.",
    "example": [

```

```

    {
      "name": "OCDP1",
      "scheme": "PercentageBased",
      "policies": [
        {
          "level": "L1",
          "value": 0,
          "action": "RejectWithErrorCode",
          "errorCodeProfile": "error429"
        },
        {
          "level": "L2",
          "value": 5,
          "action": "RejectWithErrorCode",
          "errorCodeProfile": "error429"
        },
        {
          "level": "L3",
          "value": 15,
          "action": "RejectWithErrorCode",
          "errorCodeProfile": "error429"
        },
        {
          "level": "L4",
          "value": 25,
          "action": "RejectWithErrorCode",
          "errorCodeProfile": "error503"
        }
      ]
    }
  ],
  "uniqueItems": true,
  "items": {
    "anyOf": [
      {
        "type": "object",
        "description": "Overload control discard policy configuration
entry.",
        "required": [
          "name",
          "scheme",
          "policies"
        ],
        "properties": {
          "name": {
            "type": "string"
          },
          "scheme": {
            "type": "string",
            "enum": [
              "PriorityBased",
              "PercentageBased"
            ]
          },
          "policies": {
            "type": [

```

```

        "array",
        "null"
    ],
    "uniqueItems": true,
    "items": {
        "anyOf": [
            {
                "type": "object",
                "required": [
                    "level",
                    "value",
                    "errorCodeProfile",
                    "action"
                ],
                "properties": {
                    "level": {
                        "type": "string"
                    },
                    "value": {
                        "type": "integer",
                        "minimum": 0
                    },
                    "errorCodeProfile": {
                        "type": "string"
                    },
                    "action": {
                        "type": "string",
                        "enum": [
                            "RejectWithErrorCode"
                        ]
                    }
                }
            }
        ]
    }
},
"OCPolicyMapping": {
    "type": "object",
    "description": "Overload control policy mapping configuration.",
    "required": [
        "enabled",
        "samplingPeriod",
        "mappings"
    ],
    "example": {
        "enabled": false,
        "mappings": [
            {
                "svcName": "ocudr-nudr-dr-provservice",
                "policyName": "OCDP1"
            }
        ]
    }
}

```



```

    ],
    "samplingPeriod": 6000
  },
  "properties": {
    "enabled": {
      "type": "boolean"
    },
    "samplingPeriod": {
      "type": "integer",
      "minimum": 0
    }
  },
  "mappings": {
    "type": [
      "array",
      "null"
    ],
    "uniqueItems": true,
    "items": {
      "anyOf": [
        {
          "type": "object",
          "required": [
            "svcName",
            "policyName"
          ],
          "properties": {
            "svcName": {
              "type": "string"
            },
            "policyName": {
              "type": "string"
            }
          }
        }
      ]
    }
  }
},
"RouteLevelRateLimiting": {
  "type": "object",
  "required": [
    "enabled",
    "samplingPeriod",
    "rateLimitPolicies"
  ],
  "example": {
    "enabled": false,
    "samplingPeriod": 1000,
    "rateLimitPolicies": [
      {
        "name": "R1",
        "value": 24,
        "action": "RejectWithErrorCode",
        "scheme": "PriorityBased",
        "errorCodeProfile": "error429"
      }
    ]
  }
}

```

```

    }
  ]
},
"properties": {
  "enabled": {
    "type": "boolean"
  },
  "samplingPeriod": {
    "type": "integer",
    "minimum": 0
  },
  "rateLimitPolicies": {
    "type": [
      "array",
      "null"
    ],
    "uniqueItems": true,
    "items": {
      "anyOf": [
        {
          "type": "object",
          "required": [
            "name",
            "scheme",
            "value",
            "action",
            "errorCodeProfile"
          ],
          "properties": {
            "name": {
              "type": "string"
            },
            "scheme": {
              "type": "string",
              "enum": [
                "PriorityBased"
              ]
            },
            "value": {
              "type": "integer",
              "minimum": 0
            },
            "action": {
              "type": "string",
              "enum": [
                "RejectWithErrorCode"
              ]
            },
            "errorCodeProfile": {
              "type": "string"
            }
          }
        }
      ]
    }
  }
}

```

```

    }
  },
  "ServerHeaderDetails": {
    "required": [
      "enabled",
      "configuration"
    ],
    "type": "object",
    "example": {
      "enabled": false,
      "errorCodeSeriesId": "E1",
      "configuration": {
        "nfType": "UDR",
        "nfInstanceId": "5a7bd676-ceed-44bb-95e0-f6a55a328b03"
      }
    }
  },
  "properties": {
    "enabled": {
      "type": "boolean"
    },
    "errorCodeSeriesId": {
      "type": "string"
    },
    "configuration": {
      "required": [
        "nfType"
      ],
      "type": "object",
      "properties": {
        "nfType": {
          "type": "string"
        },
        "nfInstanceId": {
          "type": "string"
        }
      }
    }
  }
},
  "IGWRoutesConfiguration": {
    "type": [
      "array",
      "null"
    ],
    "items": {
      "$ref": "#/components/schemas/Route"
    },
    "example": [
      {
        "id": "traffic_mapping_http",
        "rateLimiting": {
          "methods": [
            {
              "name": "PATCH",
              "rate": 200,
              "rateLimitPolicy": "R1"
            }
          ]
        }
      }
    ]
  }
}

```

```

        },
        {
            "name": "GET",
            "rate": 200,
            "rateLimitPolicy": "R1"
        },
        {
            "name": "PUT",
            "rate": 300,
            "rateLimitPolicy": "R1"
        },
        {
            "name": "DELETE",
            "rate": 200,
            "rateLimitPolicy": "R1"
        },
        {
            "name": "POST",
            "rate": 200,
            "rateLimitPolicy": "R1"
        }
    ]
},
"failureReqCountErrorCodeSeriesId": "P1"
},
{
    "id": "traffic_mapping_http_group",
    "rateLimiting": {
        "methods": [
            {
                "name": "GET",
                "rate": 1500,
                "rateLimitPolicy": "R1"
            }
        ]
    },
    "failureReqCountErrorCodeSeriesId": "P1"
},
{
    "id": "traffic_mapping_http_eir",
    "rateLimiting": {
        "methods": [
            {
                "name": "GET",
                "rate": 1500,
                "rateLimitPolicy": "R1"
            }
        ]
    },
    "failureReqCountErrorCodeSeriesId": "P1"
}
]
},
"EGWSbiRoutingErrorCriteriaSets": {
    "type": "array",
    "items": {

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```

        "$ref": "#/components/schemas/EGWSbiRoutingErrorCriteriaSetItem"
    },
    "example": [
        {
            "id": "criteriaSet1",
            "method": [
                "GET"
            ],
            "exceptions": [
                "CONNECT_EXCEPTION"
            ]
        }
    ]
},
"EGWSbiRoutingErrorCriteriaSetItem": {
    "type": "object",
    "additionalProperties": false,
    "required": [
        "id",
        "method"
    ],
    "oneOf": [
        {
            "required": [
                "response"
            ]
        },
        {
            "required": [
                "exceptions"
            ]
        }
    ],
    "properties": {
        "id": {
            "type": "string"
        },
        "method": {
            "type": "array",
            "items": {
                "type": "string",
                "enum": [
                    "GET",
                    "POST",
                    "PUT",
                    "DELETE",
                    "PATCH",
                    "HEAD",
                    "OPTIONS"
                ]
            }
        },
        "default": []
    },
    "exceptions": {
        "type": "array",
        "items": {

```

```

        "type": "string"
      },
      "default": []
    },
    "response": {
      "$ref": "#/components/schemas/EGWSbiRoutingErrorCriteriaResponse"
    }
  }
},
"EGWSbiRoutingErrorCriteriaResponse": {
  "type": "object",
  "additionalProperties": false,
  "required": [
    "statuses"
  ],
  "properties": {
    "statuses": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/EGWSbiRoutingErrorCriteriaStatus"
      },
      "default": []
    },
    "headersMatchingScript": {
      "type": "string"
    }
  }
},
"EGWSbiRoutingErrorCriteriaStatus": {
  "type": "object",
  "additionalProperties": false,
  "required": [
    "status",
    "statusSeries"
  ],
  "properties": {
    "statusSeries": {
      "type": "string",
      "enum": [
        "1xx",
        "2xx",
        "3xx",
        "4xx",
        "5xx"
      ]
    },
    "status": {
      "type": "array",
      "items": {
        "type": "integer",
        "enum": [
          -1,
          100,
          101,
          102,
          103,

```

200,
201,
202,
203,
204,
205,
206,
207,
208,
226,
300,
301,
302,
303,
304,
305,
306,
307,
308,
400,
401,
402,
403,
404,
405,
406,
407,
408,
409,
410,
411,
412,
413,
414,
415,
416,
417,
418,
421,
422,
423,
424,
425,
426,
428,
429,
431,
444,
451,
499,
500,
501,
502,
503,
504,
505,

```

        506,
        507,
        508,
        510,
        511,
        599
    ]
  },
  "default": []
}
},
"EGWSbiRoutingErrorActionSets": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/EGWSbiRoutingErrorActionSetItem"
  },
  "example": [
    {
      "id": "actionSet1",
      "action": "retry",
      "attempts": 3,
      "blacklist": {
        "enabled": false,
        "duration": 0
      }
    }
  ]
},
"EGWSbiRoutingErrorActionSetItem": {
  "type": "object",
  "additionalProperties": false,
  "required": [
    "action",
    "attempts",
    "id"
  ],
  "properties": {
    "id": {
      "type": "string"
    },
    "action": {
      "type": "string",
      "enum": [
        "reroute",
        "retry"
      ]
    },
    "attempts": {
      "type": "integer"
    },
    "blacklist": {
      "$ref": "#/components/schemas/EGWSbiRoutingErrorActionBlacklist"
    }
  }
},
},

```



```

"EGWSbiRoutingErrorActionBlacklist": {
  "type": "object",
  "additionalProperties": false,
  "properties": {
    "enabled": {
      "type": "boolean"
    },
    "duration": {
      "type": "integer"
    }
  }
},
"PeerConfiguration": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/PeerConfigurationItem"
  },
  "example": [
    {
      "id": "peer1",
      "host": "egw-peer.example.com",
      "port": "443",
      "virtualHost": "egw-peer.example.com",
      "apiPrefix": "/nudr-dr/v1"
    }
  ]
},
"PeerConfigurationItem": {
  "type": "object",
  "additionalProperties": false,
  "required": [
    "id"
  ],
  "properties": {
    "id": {
      "type": "string"
    },
    "host": {
      "type": "string"
    },
    "port": {
      "type": "string"
    },
    "virtualHost": {
      "type": "string"
    },
    "apiPrefix": {
      "type": "string"
    },
    "healthApiPath": {
      "type": "string"
    }
  }
},
"PeerSetConfiguration": {
  "type": "array",

```

```

    "items": {
      "$ref": "#/components/schemas/PeerSetConfigurationItem"
    },
    "example": [
      {
        "id": "peerSet1",
        "httpConfiguration": [
          {
            "priority": 1,
            "peerIdentifier": "peer1"
          }
        ],
        "httpsConfiguration": [
          {
            "priority": 1,
            "peerIdentifier": "peer1"
          }
        ]
      }
    ]
  },
  "PeerSetConfigurationItem": {
    "type": "object",
    "additionalProperties": false,
    "required": [
      "id"
    ],
    "properties": {
      "id": {
        "type": "string"
      },
      "httpConfiguration": {
        "type": "array",
        "items": {
          "$ref": "#/components/schemas/PeerSetEndpointConfiguration"
        }
      },
      "default": []
    },
    "httpsConfiguration": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/PeerSetEndpointConfiguration"
      }
    },
    "default": []
  }
},
"PeerSetEndpointConfiguration": {
  "type": "object",
  "additionalProperties": false,
  "properties": {
    "priority": {
      "type": "integer"
    },
    "peerIdentifier": {
      "type": "string"
    }
  }
}

```

```

    }
  }
},
"RetryProfile": {
  "type": "object",
  "additionalProperties": false,
  "example": {
    "retryCount": 3,
    "requestTimeout": 1000,
    "statuses": [
      500,
      503
    ],
    "exceptions": [
      "CONNECT_EXCEPTION"
    ]
  },
  "properties": {
    "retryCount": {
      "type": "integer"
    },
    "requestTimeout": {
      "type": "integer"
    },
    "statuses": {
      "type": "array",
      "items": {
        "type": "integer"
      }
    },
    "default": []
  },
  "exceptions": {
    "type": "array",
    "items": {
      "type": "string"
    }
  },
  "default": []
}
},
"EGWRoutesConfiguration": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/EGWRouteConfigurationItem"
  },
  "example": [
    {
      "id": "route1",
      "uri": "https://egw-peer.example.com",
      "order": 1,
      "metadata": {
        "httpsTargetOnly": true,
        "httpRuriOnly": false,
        "sbiRoutingEnabled": true,
        "sbiRoutingWeightBasedEnabled": false,
        "configurableErrorCodes": {

```

```

        "enabled": true,
        "errorScenarios": [
            {
                "exceptionType": "CONNECT_EXCEPTION",
                "errorProfileName": "defaultProfile"
            }
        ]
    },
    "predicates": [
        {
            "name": "Path",
            "args": {
                "pattern": "/nudr-dr/v1/**"
            }
        }
    ],
    "filters": [
        {
            "name": "SbiRouting",
            "args": {
                "peerSetIdentifier": "peerSet1",
                "customPeerSelectorEnabled": false,
                "errorHandling": [
                    {
                        "errorCriteriaSet": "criteriaSet1",
                        "actionSet": "actionSet1",
                        "priority": 1
                    }
                ]
            }
        }
    ]
},
"EGWRouteConfigurationItem": {
    "type": "object",
    "additionalProperties": false,
    "required": [
        "id"
    ],
    "properties": {
        "id": {
            "type": "string"
        },
        "uri": {
            "type": "string"
        },
        "order": {
            "type": "integer"
        },
        "metadata": {
            "$ref": "#/components/schemas/EGWRouteMetadata"
        },
        "predicates": {

```

```

        "type": "array",
        "items": {
          "$ref": "#/components/schemas/EGWRoutePredicate"
        },
        "default": []
      },
      "filters": {
        "type": "array",
        "items": {
          "$ref": "#/components/schemas/EGWRouteFilter"
        },
        "default": []
      }
    }
  },
  "EGWRouteMetadata": {
    "type": "object",
    "additionalProperties": false,
    "properties": {
      "httpsTargetOnly": {
        "type": "boolean"
      },
      "httpRuriOnly": {
        "type": "boolean"
      },
      "sbiRoutingEnabled": {
        "type": "boolean"
      },
      "sbiRoutingWeightBasedEnabled": {
        "type": "boolean"
      },
      "configurableErrorCodes": {
        "$ref": "#/components/schemas/EGWRouteConfigurableErrorCodes"
      }
    }
  },
  "EGWRouteConfigurableErrorCodes": {
    "type": "object",
    "additionalProperties": false,
    "properties": {
      "enabled": {
        "type": "boolean"
      },
      "errorScenarios": {
        "type": "array",
        "items": {
          "$ref": "#/components/schemas/EGWRouteErrorScenario"
        },
        "default": []
      }
    }
  },
  "EGWRouteErrorScenario": {
    "type": "object",
    "additionalProperties": false,
    "properties": {

```

```

        "exceptionType": {
          "type": "string"
        },
        "errorProfileName": {
          "type": "string"
        }
      }
    },
    "EGWRoutePredicate": {
      "type": "object",
      "additionalProperties": false,
      "properties": {
        "name": {
          "type": "string"
        },
        "args": {
          "$ref": "#/components/schemas/EGWRoutePredicateArgs"
        }
      }
    },
    "EGWRoutePredicateArgs": {
      "type": "object",
      "additionalProperties": false,
      "properties": {
        "pattern": {
          "type": "string"
        }
      }
    },
    "EGWRouteFilter": {
      "type": "object",
      "required": [
        "name"
      ],
      "properties": {
        "name": {
          "type": "string",
          "enum": [
            "SbiRouting",
            "InvalidRouteFilter",
            "SBIReroute",
            "CustomReqHeaderEntryFilter",
            "CustomReqHeaderExitFilter",
            "CustomResHeaderEntryFilter",
            "CustomResHeaderExitFilter",
            "ScpRetry",
            "DedupeResponseHeader",
            "RemoveRequestHeader",
            "RemoveResponseHeader",
            "SubActLog",
            "DefaultRouteRetry",
            "ControlledShutdownFilter"
          ]
        },
        "args": {
          "$ref": "#/components/schemas/EGWRouteFilterArgs"
        }
      }
    }
  }

```

```

    }
  },
  "EGWRouteFilterArgs": {
    "anyOf": [
      {
        "type": "object",
        "additionalProperties": {
          "type": "string"
        }
      },
      {
        "type": "object"
      },
      {
        "type": [
          "array",
          "null"
        ],
        "default": [],
        "items": {
          "anyOf": [
            {
              "type": "string"
            },
            {
              "type": "object",
              "additionalProperties": {
                "type": "number"
              }
            },
            {
              "type": "object",
              "additionalProperties": {
                "type": "string"
              }
            },
            {
              "type": "object",
              "additionalProperties": {
                "type": "boolean"
              }
            },
            {
              "type": "object",
              "additionalProperties": {
                "type": "object"
              }
            }
          ]
        }
      }
    ]
  },
  "EGWRouteErrorHandler": {
    "type": "object",

```

```

    "additionalProperties": false,
    "properties": {
      "errorCriteriaSet": {
        "type": "string"
      },
      "actionSet": {
        "type": "string"
      },
      "priority": {
        "type": "integer"
      }
    }
  },
  "Route": {
    "type": "object",
    "required": [
      "id"
    ],
    "additionalProperties": false,
    "properties": {
      "id": {
        "type": "string"
      },
      "failureReqCountErrorCodeSeriesId": {
        "type": "string"
      },
      "rateLimiting": {
        "$ref": "#/components/schemas/RateLimiting"
      },
      "serverHeaderDetails": {
        "type": "object",
        "required": [
          "enabled"
        ],
        "properties": {
          "enabled": {
            "type": "boolean"
          },
          "errorCodeSeriesId": {
            "type": "string"
          }
        }
      }
    },
    "uri": {
      "type": "string"
    },
    "order": {
      "type": "integer"
    },
    "predicates": {
      "type": "array",
      "uniqueItems": true,
      "items": {
        "$ref": "#/components/schemas/Predicate"
      }
    }
  },

```



```

    "filters": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/Filter"
      }
    },
    "metadata": {
      "type": [
        "array",
        "null"
      ],
      "default": [],
      "items": {
        "anyOf": [
          {
            "type": "object",
            "patternProperties": {
              ".{1,}": {
                "type": "number"
              }
            }
          },
          {
            "type": "object",
            "patternProperties": {
              ".{1,}": {
                "type": "string"
              }
            }
          },
          {
            "type": "object",
            "patternProperties": {
              ".{1,}": {
                "type": "boolean"
              }
            }
          },
          {
            "type": "object",
            "patternProperties": {
              ".{1,}": {
                "type": "object"
              }
            }
          }
        ]
      }
    }
  },
  "RateLimiting": {
    "type": "object",
    "required": [
      "methods"
    ],

```

```

    "properties": {
      "methods": {
        "type": [
          "array",
          "null"
        ],
        "items": {
          "$ref": "#/components/schemas/Method"
        }
      }
    },
    "Method": {
      "type": "object",
      "required": [
        "name",
        "rate",
        "rateLimitPolicy"
      ],
      "properties": {
        "name": {
          "type": "string",
          "enum": [
            "GET",
            "POST",
            "PUT",
            "PATCH",
            "DELETE",
            "HEAD",
            "CONNECT",
            "OPTIONS",
            "TRACE"
          ]
        },
        "rate": {
          "type": "integer",
          "minimum": 0
        },
        "rateLimitPolicy": {
          "type": "string"
        }
      }
    },
    "Predicate": {
      "type": "object",
      "required": [
        "name",
        "args"
      ],
      "properties": {
        "name": {
          "type": "string"
        },
        "args": {
          "type": "object",
          "patternProperties": {

```

```

        ".{1,}": {
            "type": "string"
        }
    }
}
},
"Filter": {
    "type": "object",
    "required": [
        "name"
    ],
    "properties": {
        "name": {
            "type": "string"
        },
        "args": {
            "anyOf": [
                {
                    "type": "object",
                    "patternProperties": {
                        ".{1,}": {
                            "type": "string"
                        }
                    }
                },
                {
                    "type": "object"
                }
            ],
            "default": [],
            "items": {
                "anyOf": [
                    {
                        "type": "object",
                        "patternProperties": {
                            ".{1,}": {
                                "type": "number"
                            }
                        }
                    },
                    {
                        "type": "object",
                        "patternProperties": {
                            ".{1,}": {
                                "type": "string"
                            }
                        }
                    }
                ]
            },
            {
                "type": "object",
                "patternProperties": {

```

```

        ".{1,}": {
            "type": "boolean"
        }
    },
    {
        "type": "object",
        "patternProperties": {
            ".{1,}": {
                "type": "object"
            }
        }
    }
]
}
]
}
},
"ErrorCodeSeriesList": {
    "type": [
        "array",
        "null"
    ],
    "additionalItems": true,
    "uniqueItems": true,
    "example": [
        {
            "id": "P1",
            "exceptionList": [
                "RequestTimeout",
                "ConnectionTimeout",
                "UnknownHostException",
                "NotFoundException"
            ],
            "errorCodeSeries": [
                {
                    "errorSet": "5xx",
                    "errorCodes": [
                        503
                    ]
                }
            ]
        }
    ],
    {
        "id": "E1",
        "errorCodeSeries": [
            {
                "errorSet": "4xx",
                "errorCodes": [
                    -1
                ]
            },
            {
                "errorSet": "5xx",

```

```

        "errorCodes": [
            -1
        ]
    }
]
},
"items": {
    "anyOf": [
        {
            "type": "object",
            "required": [
                "id"
            ],
            "properties": {
                "id": {
                    "type": "string"
                },
            },
            "exceptionList": {
                "type": [
                    "array",
                    "null"
                ],
            },
            "additionalItems": true,
            "uniqueItems": true,
            "items": {
                "anyOf": [
                    {
                        "type": "string",
                        "enum": [
                            "ConnectionTimeout",
                            "RequestTimeout",
                            "UnknownHostException",
                            "ConnectException",
                            "NotFoundException",
                            "SocketException"
                        ]
                    }
                ]
            }
        }
    ],
},
"errorCodeSeries": {
    "type": [
        "array",
        "null"
    ],
    "additionalItems": true,
    "uniqueItems": true,
    "items": {
        "anyOf": [
            {
                "type": "object",
                "required": [
                    "errorSet",
                    "errorCodes"
                ],
            },
        ],
    },
},

```

```
"properties": {
  "errorSet": {
    "type": "string",
    "enum": [
      "1xx",
      "2xx",
      "3xx",
      "4xx",
      "5xx"
    ]
  },
  "errorCodes": {
    "type": [
      "array",
      "null"
    ],
    "additionalItems": true,
    "uniqueItems": true,
    "items": {
      "anyOf": [
        {
          "type": "integer",
          "enum": [
            -1,
            100,
            101,
            102,
            103,
            200,
            201,
            202,
            203,
            204,
            205,
            206,
            207,
            208,
            226,
            300,
            301,
            302,
            303,
            304,
            305,
            306,
            307,
            308,
            400,
            401,
            402,
            403,
            404,
            405,
            406,
            407,
            408,
```

```

    },
    "XfccHeaderValidation": {
      "type": "object",
      "description": "XFCC Feature",
      "additionalProperties": false,
      "required": [
        "validation",
        "extract"
      ]
    }
  ]
}

```

```

    ],
    "example": {
      "validation": {
        "enabled": false,
        "peerList": [
          {
            "name": "scp1.com",
            "enabled": true
          },
          {
            "name": "scp2.com"
          },
          {
            "name": "scp3.com",
            "enabled": false
          },
          {
            "name": "xyz.test.com",
            "enabled": true,
            "scheme": "http",
            "type": "virtual"
          },
          {
            "name": "abc.test.com",
            "enabled": true,
            "scheme": "https",
            "type": "virtual"
          }
        ],
        "matchCerts": -1,
        "matchField": "DNS",
        "dnsResolutionInterval": 300000
      },
      "extract": {
        "enabled": false,
        "certExtractIndex": 0,
        "extractField": "DNS",
        "extractIndex": 0
      }
    },
    "properties": {
      "validation": {
        "type": "object",
        "description": "Validation Configurations",
        "required": [
          "enabled"
        ],
        "properties": {
          "enabled": {
            "type": "boolean"
          },
          "peerList": {
            "type": "array",
            "uniqueItems": true,
            "items": {
              "anyOf": [

```



```

        {
          "type": "object",
          "properties": {
            "name": {
              "type": "string"
            },
            "enabled": {
              "type": "boolean"
            },
            "scheme": {
              "type": "string"
            },
            "type": {
              "type": "string"
            }
          }
        }
      ]
    },
    "matchCerts": {
      "type": "integer"
    },
    "matchField": {
      "type": "string"
    },
    "dnsResolutionInterval": {
      "type": "integer"
    }
  },
  "extract": {
    "type": "object",
    "description": "Extract Configurations",
    "required": [
      "enabled"
    ],
    "properties": {
      "enabled": {
        "type": "boolean"
      },
      "certExtractIndex": {
        "type": "integer"
      },
      "extractField": {
        "type": "string"
      },
      "extractIndex": {
        "type": "integer"
      }
    }
  }
},
"ReadinessConfig": {
  "type": "object",

```

```

"description": "Readiness configurations for ingress gateway",
"additionalProperties": false,
"example": {
  "serviceProfiles": [
    {
      "id": "",
      "url": "",
      "responseCode": 200,
      "responseBody": "",
      "onExceptionUsePreviousState": true,
      "initialState": "ACCEPTING_TRAFFIC",
      "requestTimeout": 2000
    }
  ]
},
"properties": {
  "serviceProfiles": {
    "type": [
      "array",
      "null"
    ],
    "uniqueItems": true,
    "description": "Array containing details about backend services",
    "items": {
      "anyOf": [
        {
          "type": "object",
          "required": [
            "id",
            "url",
            "onExceptionUsePreviousState",
            "initialState"
          ],
          "anyOf": [
            {
              "required": [
                "responseCode"
              ]
            },
            {
              "required": [
                "responseBody"
              ]
            }
          ]
        },
        {
          "additionalProperties": false,
          "properties": {
            "id": {
              "type": "string"
            },
            "url": {
              "type": "string"
            },
            "responseCode": {
              "type": "number"
            }
          },

```

```

        "responseBody": {
          "type": "string"
        },
        "onExceptionUsePreviousState": {
          "type": "boolean"
        },
        "initialState": {
          "type": "string",
          "enum": [
            "ACCEPTING_TRAFFIC",
            "REFUSING_TRAFFIC"
          ],
          "description": "Initial state of ingress gateway"
        },
        "requestTimeout": {
          "type": "number"
        }
      }
    }
  ]
}
},
"SbiMessagePriority": {
  "type": "object",
  "description": "SBI Message Priority feature configuration.",
  "additionalProperties": false,
  "example": {
    "enabled": true
  },
  "required": [
    "enabled"
  ],
  "properties": {
    "enabled": {
      "type": "boolean",
      "default": false,
      "description": "Flag that enables or disables SBI Message
Priority handling."
    }
  }
},
"RequestSmpHeaders": {
  "type": "array",
  "description": "List of HTTP request header names used for SBI
Message Priority processing.",
  "example": [
    "3gpp-sbi-message-priority",
    "message-priority11",
    "message-priority22",
    "triangl-1",
    "trainanlge-1"
  ],
  "items": {
    "type": "string",

```

```

        "description": "HTTP request header name used for SBI Message
Priority processing."
    },
    "PriorityMappingRules": {
        "type": "array",
        "description": "SBI message priority mapping rule sets.",
        "example": [
            {
                "defaultSmpHeaderName": "3gpp-sbi-message-priority",
                "name": "mapping_rule_1",
                "rules": [
                    {
                        "received": "0-1",
                        "used": "0"
                    },
                    {
                        "received": "2-23",
                        "used": "-1"
                    },
                    {
                        "received": "24-31",
                        "used": "22"
                    },
                    {
                        "received": "*",
                        "used": "22"
                    }
                ]
            },
            {
                "defaultSmpHeaderName": "3gpp-sbi-message-priority",
                "name": "mapping_rule_2",
                "rules": [
                    {
                        "received": "0-31",
                        "used": "23"
                    }
                ]
            }
        ],
        "items": {
            "$ref": "#/components/schemas/PriorityMappingRuleItem"
        }
    },
    "PriorityMappingRuleItem": {
        "type": "object",
        "additionalProperties": false,
        "required": [
            "name"
        ],
        "properties": {
            "name": {
                "type": "string",
                "description": "Priority mapping rule set name."
            }
        }
    },

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```

        "defaultSmpHeaderName": {
            "type": "string",
            "description": "Default SMP header name used by this priority
mapping rule set."
        },
        "rules": {
            "type": "array",
            "description": "Priority mapping rules in this rule set.",
            "default": [],
            "items": {
                "$ref": "#/components/schemas/PriorityMappingRuleEntry"
            }
        }
    },
    "PriorityMappingRuleEntry": {
        "type": "object",
        "additionalProperties": false,
        "properties": {
            "received": {
                "type": "string",
                "description": "Received priority selector. Supports a single
priority, priority range, or wildcard."
            },
            "used": {
                "type": "string",
                "description": "Priority mapping value. Supports fixed priority,
positive or negative delta, or an empty value to retain the received
priority."
            }
        }
    },
    "SbiServiceOperations": {
        "type": "array",
        "description": "SBI service operation priority configuration.",
        "example": [
            {
                "sbiServiceOperation":
"Nudr_DataRepository_ReadAccessAndMobilityPolicyData",
                "defaultPriority": 23,
                "preferReceivedPriority": true,
                "responsePriorityRule": "mapping_rule_1",
                "initiatedRequestPriorityRule": "mapping_rule_2"
            }
        ],
        "items": {
            "$ref": "#/components/schemas/SbiServiceOperationItem"
        }
    },
    "SbiServiceOperationItem": {
        "type": "object",
        "additionalProperties": false,
        "required": [
            "sbiServiceOperation"
        ],
        "properties": {

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    "sbiServiceOperation": {
      "type": "string",
      "description": "SBI service operation name."
    },
    "defaultPriority": {
      "type": "integer",
      "minimum": 0,
      "maximum": 31,
      "description": "Default message priority to use when no priority
header is present."
    },
    "preferReceivedPriority": {
      "type": "boolean",
      "description": "Flag that determines whether the received
priority should be preferred."
    },
    "responsePriorityRule": {
      "type": "string",
      "description": "Priority mapping rule used for responses."
    },
    "initiatedRequestPriorityRule": {
      "type": "string",
      "description": "Priority mapping rule used for initiated
requests."
    }
  }
},
"UserAgentHeaderGeneration": {
  "type": "object",
  "additionalProperties": false,
  "example": {
    "enabled": true,
    "nfType": "UDR",
    "nfInstanceId": "udr-instance-1",
    "nfFqdn": "udr.example.com",
    "addFqdnToHeader": true,
    "overwriteHeader": false
  },
  "properties": {
    "enabled": {
      "type": "boolean"
    },
    "nfType": {
      "type": "string"
    },
    "nfInstanceId": {
      "type": "string"
    },
    "nfFqdn": {
      "type": "string"
    },
    "addFqdnToHeader": {
      "type": "boolean"
    },
    "overwriteHeader": {
      "type": "boolean"
    }
  }
}

```

```

    }
  }
},
"UserAgentHeaderValidation": {
  "type": "object",
  "description": "Configuration for User-Agent header validation",
  "additionalProperties": false,
  "required": [
    "validationType",
    "enabled"
  ],
  "example": {
    "enabled": false,
    "validationType": "strict",
    "consumerNfTypes": [
      "PCF",
      "NRF",
      "UDM"
    ]
  },
  "properties": {
    "enabled": {
      "type": "boolean"
    },
    "validationType": {
      "type": "string",
      "enum": [
        "strict",
        "relaxed"
      ]
    },
    "consumerNfTypes": {
      "type": [
        "array",
        "null"
      ],
      "uniqueItems": true,
      "description": "Array containing list of consumer NF Types",
      "items": {
        "type": "string"
      }
    }
  }
},
"EgwConfigurableErrorCodes": {
  "type": "object",
  "required": [
    "enabled",
    "errorScenarios"
  ],
  "example": {
    "enabled": true,
    "errorScenarios": [
      {
        "exceptionType": "CONNECTION_TIMEOUT",
        "errorProfileName": "defaultProfile"
      }
    ]
  }
}

```

```

    }
  ],
  },
  "properties": {
    "enabled": {
      "type": "boolean"
    },
  },
  "errorScenarios": {
    "type": [
      "array",
      "null"
    ],
  },
  "uniqueItems": true,
  "items": {
    "anyOf": [
      {
        "type": "object",
        "required": [
          "exceptionType",
          "errorProfileName"
        ],
        "properties": {
          "exceptionType": {
            "type": "string",
            "enum": [
              "CONNECTION_TIMEOUT",
              "REQUEST_TIMEOUT",
              "UNKNOWN_HOST_EXCEPTION",
              "CONNECT_EXCEPTION",
              "REJECTED_EXECUTION_EXCEPTION",
              "CLOSED_CHANNEL_EXCEPTION",
              "SSL_HANDSHAKE_EXCEPTION",
              "INTERNAL_ERROR",
              "NOT_FOUND_EXCEPTION",
              "LATE_ARRIVAL_EXCEPTION",
              "INVALID_HTTP_REQUEST_EXCEPTION",
              "NOTIFICATION_RATE_LIMIT",
              "RETRY_AFTER_ERROR",
              "GRACEFUL_SHUTDOWN",
              "VIRTUAL_HOST_RESOLUTION_ERROR",
              "INVALID_OAUTH_TOKEN_REQUEST",
              "OAUTH_INTERNAL_ERROR",
              "OAUTH_TOKEN_RETRIEVAL_FAILURE",
              "OAUTH_NRF_RESPONSE_FAILURE"
            ]
          },
          "errorProfileName": {
            "type": "string"
          }
        }
      }
    ]
  }
}

```



```

"ConfigurableErrorCodes": {
  "type": "object",
  "required": [
    "enabled",
    "errorScenarios"
  ],
  "example": {
    "enabled": true,
    "errorScenarios": [
      {
        "exceptionType": "CONNECTION_TIMEOUT",
        "errorProfileName": "defaultProfile"
      }
    ]
  },
  "properties": {
    "enabled": {
      "type": "boolean"
    },
    "errorScenarios": {
      "type": [
        "array",
        "null"
      ],
      "uniqueItems": true,
      "items": {
        "anyOf": [
          {
            "type": "object",
            "required": [
              "exceptionType",
              "errorProfileName"
            ],
            "properties": {
              "exceptionType": {
                "type": "string",
                "enum": [
                  "CONNECTION_TIMEOUT",
                  "REQUEST_TIMEOUT",
                  "UNKNOWN_HOST_EXCEPTION",
                  "CONNECT_EXCEPTION",
                  "REJECTED_EXECUTION_EXCEPTION",
                  "BLACKLIST_IP_EXCEPTION",
                  "CLOSED_CHANNEL_EXCEPTION",
                  "NOT_FOUND_EXCEPTION",
                  "INTERNAL_ERROR",
                  "LATE_ARRIVAL_EXCEPTION",
                  "USERAGENT_VALIDATION_FAILURE_EXCEPTION",
                  "GLOBAL_RATELIMIT",
                  "GRACEFUL_SHUTDOWN",
                  "OAUTH_TOKEN_VALIDATION_FAILURE",
                  "OAUTH_CERT_EXPIRED",
                  "OAUTH_MISMATCH_IN_KID",
                  "OAUTH_PRODUCER_SCOPE_NOT_PRESENT",
                  "OAUTH_PRODUCER_SCOPE_MISMATCH",
                  "OAUTH_MISMATCH_IN_NRF_INSTNACEID",

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        "OAUTH_PRODUCER_PLMNID_MISMATCH",
        "OAUTH_AUDIENCE_NOT_PRESENT_OR_INVALID",
        "OAUTH_TOKEN_INVALID",
        "OAUTH_TOKEN_ABSENCE",
        "XFCC_HEADER_VALIDATION_FAILURE",
        "XFCC_HEADER_NOT_PRESENT_OR_EMPTY",
        "XFCC_MATCHCERTCOUNT_GREATER_THAN_CERTS_IN_HEADER",
        "XFCC_HEADER_INVALID"
    ]
},
"errorProfileName": {
    "type": "string"
}
}
}
}
}
},
"ControlledShutdownErrorMapping": {
    "type": "object",
    "additionalProperties": false,
    "required": [
        "routeErrorProfileList"
    ],
    "example": {
        "routeErrorProfileList": [
            {
                "routeId": "traffic_mapping_http_group",
                "errorProfileName": "error503"
            }
        ]
    },
    "properties": {
        "routeErrorProfileList": {
            "type": [
                "array",
                "null"
            ],
            "uniqueItems": true,
            "items": {
                "anyOf": [
                    {
                        "type": "object",
                        "required": [
                            "routeId",
                            "errorProfileName"
                        ],
                        "properties": {
                            "routeId": {
                                "type": "string"
                            },
                            "errorProfileName": {
                                "type": "string"
                            }
                        }
                    }
                ]
            }
        }
    }
}

```

```

    }
  }
}
},
"CAHeader": {
  "type": "object",
  "description": "Configuration for cca header validation",
  "additionalProperties": false,
  "required": [
    "enabled",
    "minExpiryTime",
    "maxTokenAge",
    "role",
    "subKey",
    "validationRule",
    "k8SecretName",
    "k8NameSpace",
    "fileName"
  ],
  "properties": {
    "enabled": {
      "type": "boolean"
    },
    "minExpiryTime": {
      "type": "integer",
      "minimum": 0
    },
    "maxTokenAge": {
      "type": "integer",
      "minimum": 0,
      "maximum": 86400
    },
    "role": {
      "type": "string"
    },
    "subKey": {
      "type": "string"
    },
    "validationRule": {
      "type": "string",
      "enum": [
        "strict",
        "relaxed"
      ]
    },
    "k8SecretName": {
      "type": "string"
    },
    "k8NameSpace": {
      "type": "string"
    },
    "fileName": {

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```

        "type": "string"
      }
    },
    "CopyHeaderOnGatewayError": {
      "type": "object",
      "properties": {
        "enabled": {
          "type": "boolean"
        },
        "requestToResponse": {
          "type": "object",
          "properties": {
            "requestHeaderNames": {
              "type": "array",
              "items": {
                "type": "string"
              }
            }
          }
        }
      }
    },
    "required": [
      "enabled"
    ]
  },
  "ApplicationParams": {
    "type": "object",
    "additionalProperties": false,
    "properties": {
      "operationalState": {
        "type": "string",
        "enum": [
          "NORMAL",
          "PARTIAL_SHUTDOWN",
          "COMPLETE_SHUTDOWN"
        ]
      }
    }
  },
  "BackendPodProtectionByRateLimiting": {
    "title": "POD Protection Feature",
    "additionalProperties": false,
    "type": "object",
    "required": [
      "enabled"
    ],
    "properties": {
      "enabled": {
        "type": "boolean"
      },
      "fillRate": {
        "type": "integer",
        "minimum": 0
      },
      "bucketAllocation": {

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```

        "type": "integer",
        "minimum": 0
    },
    "routes": {
        "type": "array",
        "items": {
            "type": "object",
            "properties": {
                "id": {
                    "type": "string"
                },
                "methods": {
                    "type": "array",
                    "items": {
                        "type": "string",
                        "enum": [
                            "GET",
                            "PUT",
                            "POST",
                            "PATCH",
                            "DELETE"
                        ]
                    }
                },
                "minItems": 1
            },
            "path": {
                "type": "string"
            },
            "percentage": {
                "type": "integer",
                "minimum": 0,
                "maximum": 100
            }
        },
        "required": [
            "id",
            "methods",
            "path",
            "percentage"
        ],
        "additionalProperties": false
    },
    "congestionErrorCode": {
        "type": "string"
    },
    "deniedRequestActions": {
        "type": "array",
        "items": {
            "type": "object",
            "properties": {
                "id": {
                    "type": "integer",
                    "minimum": 0
                },
                "congestionLevel": {

```

```

        "type": "integer",
        "minimum": 0
      },
      "action": {
        "type": "string",
        "enum": [
          "CONTINUE",
          "REJECT"
        ]
      },
      "congestionErrorCode": {
        "type": "string"
      }
    },
    "required": [
      "id",
      "congestionLevel",
      "action"
    ],
    "additionalProperties": false
  }
},
"priorityHeaderName": {
  "type": "string"
},
"defaultPriority": {
  "type": "integer",
  "minimum": 0
}
},
"description": "Backend pod protection by rate limiting
configuration."
},
"PodProtectionByRateLimiting": {
  "type": "object",
  "description": "Configuration for pod protection by rate limiting",
  "additionalProperties": false,
  "required": [
    "enabled",
    "fillRate",
    "routes",
    "errorCodeProfile"
  ],
  "example": {
    "routes": [
      {
        "id": 1,
        "path": "/nudr-group-id-map/**",
        "methods": [
          "GET"
        ],
        "percentage": 100
      }
    ],
    "enabled": true,
    "fillRate": 200,

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```

"defaultPriority": 24,
"errorCodeProfile": "error429",
"priorityHeaderName": "3gpp-Sbi-Message-Priority",
"deniedRequestActions": [
  {
    "id": 1,
    "action": "CONTINUE",
    "congestionLevel": 0
  },
  {
    "id": 2,
    "action": "CONTINUE",
    "congestionLevel": 1
  },
  {
    "id": 3,
    "action": "REJECT",
    "congestionLevel": 2,
    "errorCodeProfile": "error429"
  },
  {
    "id": 4,
    "action": "REJECT",
    "congestionLevel": 3,
    "errorCodeProfile": "error503"
  }
]
},
"properties": {
  "enabled": {
    "type": "boolean"
  },
  "fillRate": {
    "type": "integer",
    "minimum": 1
  },
  "errorCodeProfile": {
    "type": "string"
  },
  "routes": {
    "type": "array",
    "items": {
      "type": "object",
      "properties": {
        "id": {
          "type": "integer",
          "minimum": 1,
          "maximum": 100
        },
        "methods": {
          "type": "array",
          "items": {
            "type": "string",
            "enum": [
              "GET",
              "PUT",

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```

        "POST",
        "PATCH",
        "DELETE",
        "HEAD",
        "OPTIONS",
        "TRACE",
        "CONNECT"
    ]
}
},
"path": {
    "type": "string"
},
"percentage": {
    "type": "number",
    "minimum": 0.1,
    "maximum": 100
},
"routeId": {
    "type": "string"
},
"defaultPriority": {
    "type": "integer",
    "minimum": 0,
    "maximum": 31
}
}
},
},
"deniedRequestActions": {
    "type": "array",
    "items": {
        "type": "object",
        "properties": {
            "id": {
                "type": "integer",
                "minimum": 1
            },
            "priority": {
                "type": "string"
            },
            "congestionLevel": {
                "type": "integer"
            },
            "action": {
                "type": "string",
                "enum": [
                    "REJECT",
                    "CONTINUE"
                ]
            },
            "errorCodeProfile": {
                "type": "string"
            }
        }
    },
    "required": [

```



```

        "id"
      ]
    }
  },
  "priorityHeaderName": {
    "type": "string"
  },
  "defaultPriority": {
    "type": "integer",
    "minimum": 0,
    "maximum": 31
  }
}
},
"BackendCongestionConfig": {
  "title": "CongestionConfig",
  "type": "object",
  "required": [
    "refreshInterval",
    "levels"
  ],
  "properties": {
    "refreshInterval": {
      "type": "integer",
      "minimum": 0,
      "description": "Refresh interval in seconds."
    },
    "levels": {
      "type": "array",
      "minItems": 1,
      "items": {
        "type": "object",
        "required": [
          "value",
          "name",
          "resources"
        ],
        "properties": {
          "value": {
            "type": "integer",
            "minimum": 1
          },
          "name": {
            "type": "string"
          },
          "resources": {
            "type": "array",
            "minItems": 1,
            "items": {
              "type": "object",
              "required": [
                "name",
                "onset",
                "abatement"
              ],
              "properties": {

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```

        "name": {
          "type": "string",
          "enum": [
            "CPU"
          ]
        },
        "onset": {
          "type": "integer",
          "minimum": 0
        },
        "abatement": {
          "type": "integer",
          "minimum": 0
        }
      },
      "additionalProperties": false
    }
  },
  "additionalProperties": false
}
},
"additionalProperties": false,
"description": "Backend congestion configuration used for pod
protection by rate limiting.",
"example": {
  "refreshInterval": 500,
  "levels": [
    {
      "value": 1,
      "name": "Normal",
      "resources": [
        {
          "name": "CPU",
          "onset": 60,
          "abatement": 55
        }
      ]
    },
    {
      "value": 2,
      "name": "Danger Of Congestion",
      "resources": [
        {
          "name": "CPU",
          "onset": 70,
          "abatement": 65
        }
      ]
    },
    {
      "value": 3,
      "name": "Congestion",
      "resources": [
        {

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        "name": "CPU",
        "onset": 80,
        "abatement": 75
    }
    ]
}
},
"CongestionConfig": {
    "type": "object",
    "description": "Configuration for congestion level calculation",
    "additionalProperties": false,
    "required": [
        "refreshInterval",
        "levels"
    ],
    "example": {
        "levels": [
            {
                "name": "Normal",
                "value": 1,
                "resources": [
                    {
                        "name": "CPU",
                        "onset": 70,
                        "abatement": 68
                    }
                ]
            },
            {
                "name": "Danger Of Congestion",
                "value": 2,
                "resources": [
                    {
                        "name": "CPU",
                        "onset": 80,
                        "abatement": 78
                    }
                ]
            },
            {
                "name": "Congestion",
                "value": 3,
                "resources": [
                    {
                        "name": "CPU",
                        "onset": 90,
                        "abatement": 88
                    }
                ]
            }
        ],
        "refreshInterval": 500
    },
    "properties": {

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    "refreshInterval": {
      "type": "integer",
      "minimum": 200,
      "maximum": 5000
    },
    "levels": {
      "type": "array",
      "minItems": 1,
      "items": {
        "type": "object",
        "properties": {
          "value": {
            "type": "integer",
            "minimum": 1,
            "maximum": 10
          },
          "name": {
            "type": "string"
          }
        },
        "resources": {
          "type": "array",
          "items": {
            "type": "object",
            "properties": {
              "name": {
                "type": "string",
                "enum": [
                  "CPU"
                ]
              },
              "onset": {
                "type": "integer",
                "minimum": 0
              },
              "abatement": {
                "type": "integer",
                "minimum": 0
              }
            }
          },
          "required": [
            "name",
            "onset"
          ]
        }
      },
      "required": [
        "value",
        "name",
        "resources"
      ]
    }
  },
  "IGWConfig": {

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```

"type": "object",
"properties": {
  "healthCheckConfigOptions": {
    "$ref": "#/components/schemas/HealthCheckConfig"
  },
  "logging": {
    "$ref": "#/components/schemas/GWLoggingConfig"
  },
  "oauthvalidatorconfiguration": {
    "$ref": "#/components/schemas/OAuthValidatorConfiguration"
  },
  "errorcodeprofiles": {
    "$ref": "#/components/schemas/ErrorCodeProfiles"
  },
  "ocdiscardpolicies": {
    "$ref": "#/components/schemas/OCDiscardPolicies"
  },
  "ocpolicymapping": {
    "$ref": "#/components/schemas/OCPolicyMapping"
  },
  "routelevelratelimiting": {
    "$ref": "#/components/schemas/RouteLevelRateLimiting"
  },
  "serverheaderdetails": {
    "$ref": "#/components/schemas/ServerHeaderDetails"
  },
  "routesconfiguration": {
    "$ref": "#/components/schemas/IGWRoutesConfiguration"
  },
  "errorcodeserieslist": {
    "$ref": "#/components/schemas/ErrorCodeSeriesList"
  },
  "xfccheadervalidation": {
    "$ref": "#/components/schemas/XfccHeaderValidation"
  },
  "readinessconfig": {
    "$ref": "#/components/schemas/ReadinessConfig"
  },
  "useragentheadervalidation": {
    "$ref": "#/components/schemas/UserAgentHeaderValidation"
  },
  "configurableerrorcodes": {
    "$ref": "#/components/schemas/ConfigurableErrorCodes"
  },
  "controlledshutdownerrormapping": {
    "$ref": "#/components/schemas/ControlledShutdownErrorMapping"
  },
  "ccaheader": {
    "$ref": "#/components/schemas/CCAHeader"
  },
  "copyHeaderOnGatewayError": {
    "$ref": "#/components/schemas/CopyHeaderOnGatewayError"
  },
  "applicationparams": {
    "$ref": "#/components/schemas/ApplicationParams"
  }
},

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```

    "podProtectionByRateLimiting": {
      "$ref": "#/components/schemas/PodProtectionByRateLimiting"
    },
    "congestionConfig": {
      "$ref": "#/components/schemas/CongestionConfig"
    }
  }
},
"NfProfileList": {
  "type": "array",
  "description": "The attribute represents the list of nfProfiles for
NrfClient Management Service.",
  "example": [
    {
      "nfInstanceId": "5a7bd676-ceeb-44bb-95e0-f6a55a328b03",
      "nfStatus": "REGISTERED",
      "fqdn": "ocudr-ingressgateway.myudr.svc.cluster.local",
      "nfType": "UDR",
      "allowedNfTypes": [
        "PCF",
        "UDM",
        "NRF"
      ],
      "plmnList": [
        {
          "mcc": "310",
          "mnc": "14"
        }
      ],
      "priority": 10,
      "capacity": 500,
      "load": 0,
      "locality": "bangalore",
      "nfServices": [
        {
          "serviceInstanceId": "ae870316-384d-458a-bd45-025c9e748976",
          "serviceName": "nudr-dr",
          "nfServiceStatus": "REGISTERED",
          "scheme": "http",
          "versions": [
            {
              "apiVersionInUri": "v1",
              "apiFullVersion": "2.1.0.alpha-3"
            }
          ],
          "fqdn": "ocudr-ingressgateway.myudr.svc.cluster.local",
          "ipEndPoints": [
            {
              "ipv4Address": "10.0.0.0",
              "port": "80",
              "transport": "TCP"
            }
          ],
          "allowedNfTypes": [
            "PCF",
            "UDM"
          ]
        }
      ]
    }
  ]
}

```

```

        ],
        "priority": 10,
        "capacity": 500,
        "load": 0
    }
],
"udrInfo": {
    "supportedDataSets": [
        "POLICY",
        "SUBSCRIPTION"
    ],
    "groupId": "udr-1",
    "supiRanges": [
        {
            "start": "100000000000",
            "end": "200000000000"
        }
    ],
    "gpsiRanges": [
        {
            "start": "100000000000",
            "end": "200000000000"
        }
    ],
    "externalGroupIdentifiersRanges": [
        {
            "start": "100000000000",
            "end": "200000000000"
        }
    ]
},
"heartBeatTimer": 90,
"nfServicePersistence": false,
"nfProfileChangesSupportInd": false,
"nfSetIdList": [
    "setxyz.udrset.5gc.mnc012.mcc345"
]
}
],
"items": {
    "$ref": "#/components/schemas/NfProfile"
}
}
}
}
}
}
}
}

```

C

UDM Subscription Notification Formats

The UDM subscription notification format for different request types are as follows:

PUT- Notification Format

```
{
  "ueId": "nai-990991@nai",
  "notifyItems": [{
    "changes": [{
      "op": "REPLACE",
      "from": "",
      "path": "$",
      "newValue": {
        "dnn": "sasa",
        "plmnId": {
          "mcc": "123",
          "mnc": "124"
        },
        "expires": "2032-04-23T18:25:43.511Z",
        "singleNssai": {
          "sd": "651Bf9",
          "sst": 25
        },
        "nfInstanceId": "db59c48c-a2fa-11e9-a2a3-2a2ae2dbcce4",
        "amfServiceName": "nnrf-nfm",
        "subscriptionId": "sb",
        "callbackReference": "udr",
        "implicitUnsubscribe": true,
        "monitoredResourceUris": ["http://localhost:8080/nudr-dr/v2/subscription-data/nai-990991@nai/context-data/sdm-subscriptions", "http://localhost:8080/nudr-dr/v2/subscription-data/nai-990991@nai/operator-determined-barring-data"]
      },
      "origValue": ""
    }],
    "resourceId": "http://localhost:8080/nudr-dr/v2/subscription-data/nai-990991@nai/context-data/sdm-subscriptions/1"
  }],
  "sdmSubscription": {
    "dnn": "sasa",
    "plmnId": {
      "mcc": "123",
      "mnc": "124"
    },
    "expires": "2032-04-23T18:25:43.511Z",
    "singleNssai": {
      "sd": "651Bf9",
      "sst": 25
    }
  },
}
```



```

        "nfInstanceId": "db59c48c-a2fa-11e9-a2a3-2a2ae2dbcce4",
        "amfServiceName": "nnrf-nfm",
        "subscriptionId": "sb",
        "callbackReference": "udr",
        "implicitUnsubscribe": true,
        "monitoredResourceUris": ["http://localhost:8080/nudr-dr/v2/
subscription-data/nai-990991@nai/context-data/sdm-subscriptions", "http://
localhost:8080/nudr-dr/v2/subscription-data/nai-990991@nai/operator-
determined-barring-data"]
    },
    "originalCallbackReference": ["udr"],
    "subscriptionDataSubscriptions": [{
        "ueId": "nai-990991@nai",
        "expiry": "2020-01-02T08:17:14.090Z",
        "subscriptionId": "1",
        "sdmSubscription": true,
        "callbackReference": "http://10.75.212.167:8787",
        "supportedFeatures": "f",
        "monitoredResourceUris": ["http://localhost:8080/nudr-dr/v2/
subscription-data/nai-990991@nai/context-data/sdm-subscriptions", "http://
localhost:8080/nudr-dr/v2/subscription-data/nai-990991@nai/operator-
determined-barring-data"],
        "originalCallbackReference": "http://mlu-pcf-api-gateway.mlu-pcf.svc/
user-service/userservice/notification/imsi-9999999998"
    }]
}

```

DELETE ENTITY- Notification Format

```

{
    "ueId": "nai-990991@nai",
    "notifyItems": [{
        "changes": [{
            "op": "REMOVE",
            "from": "",
            "path": "$",
            "newValue": null,
            "origValue": ""
        }],
        "resourceId": "http://localhost:8080/nudr-dr/v2/subscription-data/
nai-990991@nai/context-data/sdm-subscriptions/1"
    }],
    "sdmSubscription": null,
    "originalCallbackReference": ["udr"],
    "subscriptionDataSubscriptions": [{
        "ueId": "nai-990991@nai",
        "expiry": "2020-01-02T08:17:14.090Z",
        "subscriptionId": "1",
        "sdmSubscription": true,
        "callbackReference": "http://10.75.212.167:8787",
        "supportedFeatures": "f",
        "monitoredResourceUris": ["http://localhost:8080/nudr-dr/v2/
subscription-data/nai-990991@nai/context-data/sdm-subscriptions", "http://
localhost:8080/nudr-dr/v2/subscription-data/nai-990991@nai/operator-
determined-barring-data"],
    }],
}

```

```

        "originalCallbackReference": "http://mlu-pcf-api-gateway.mlu-pcf.svc/
user-service/userservice/notification/imsi-9999999998"
    }]
}

```

Patch- Notification Format

```

{
    "ueId": "nai-990991@nai",
    "notifyItems": [{
        "changes": [{
            "op": "REPLACE",
            "from": "",
            "path": "/dnn",
            "newValue": "sbsa",
            "origValue": "sbsb"
        }],
        "resourceId": "http://localhost:8080/nudr-dr/v2/subscription-data/
nai-990991@nai/context-data/sdm-subscriptions/4"
    }],
    "sdmSubscription": {
        "dnn": "sbsa",
        "plmnId": {
            "mcc": "123",
            "mnc": "124"
        },
        "expires": "2032-04-23T18:25:43.511Z",
        "singleNssai": {
            "sd": "651Bf9",
            "sst": 25
        },
        "nfInstanceId": "db59c48c-a2fa-11e9-a2a3-2a2ae2dbcce4",
        "amfServiceName": "nnrf-nfm",
        "subscriptionId": "sb",
        "callbackReference": "udr",
        "implicitUnsubscribe": true,
        "monitoredResourceUris": ["http://localhost:8080/nudr-dr/v2/
subscription-data/nai-990991@nai/context-data/sdm-subscriptions", "http://
localhost:8080/nudr-dr/v2/subscription-data/nai-990991@nai/operator-
determined-barring-data"]
    },
    "originalCallbackReference": ["udr"],
    "subscriptionDataSubscriptions": [{
        "ueId": "nai-990991@nai",
        "expiry": "2020-01-02T08:17:14.090Z",
        "subscriptionId": "4",
        "sdmSubscription": true,
        "callbackReference": "http://10.75.212.167:8787",
        "supportedFeatures": "f",
        "monitoredResourceUris": ["http://localhost:8080/nudr-dr/v2/
subscription-data/nai-990991@nai/context-data/sdm-subscriptions", "http://
localhost:8080/nudr-dr/v2/subscription-data/nai-990991@nai/operator-
determined-barring-data"],
        "originalCallbackReference": "http://mlu-pcf-api-gateway.mlu-pcf.svc/
user-service/userservice/notification/imsi-9999999998"
    }]
}

```

```
    }]  
  }
```

DELETE SUBSCRIBER- Notification Format

```
{  
  "ueId": "nai-990991@nai",  
  "notifyItems": {  
    "changes": [{  
      "op": "REMOVE",  
      "from": "",  
      "path": "$",  
      "newValue": null,  
      "origValue": null  
    }],  
    "resourceId": "http://localhost:8080/nudr-dr-prov/v1/profile-data/  
nai-990991@nai"  
  },  
  "sdmSubscription": null,  
  "originalCallbackReference": ["udr"],  
  "subscriptionDataSubscriptions": null  
}
```

D

Generic- Title and its Types in Error Response

The following table lists the titles that are accompanied by any of its type.

Error Code	Title	Detail
400	Bad request	Invalid Data Content in the payload Schema validation failed for this request Invalid URI sent from client Occurrence Constraint Violation Key Not Supported(request has key which is not allowed) Invalid Value Invalid Key Value(key has invalid value) Duplicate key value in the request payload Invalid JSON Payload Invalid Number Format Payload should contain key-value pair present in URI Unknown key, the key provided in the request is invalid Invalid Content Request Data Supplied
403	Forbidden	Subscriber linked to the group cannot be deleted
404	Not Found	Subscriber does not exist Data field does not exist Requested data not found Key Not Found Group Not Found(SLF Group) Route Not Found in configured routes
405	Operation Not Allowed	Operation Not Allowed
406	Not Acceptable	Could not find acceptable representation
415	Unsupported Media Type	Content type 'application/xml' not supported
500	Internal Server Error	Invalid Result Set Access Data Access Denied Data Access Denied/Resource Failure Temporary Resource Failure Acquire Lock Failure Transaction Rollback
501	Not Implemented	Bad SQL Grammar

Error Code	Title	Detail
503	Service Unavailable	the IP address of a host (backend service) could not be determined. Timeout has occurred on a socket read or accept. Error while attempting to connect a socket to a remote address and port