

# Oracle® Communications

## Cloud Native Policy Control Function REST Specification Document



Release 1.6

F31491-01

May 2020

The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

ORACLE®

Copyright © 2020, Oracle and/or its affiliates.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software" or "commercial computer software documentation" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

# Contents

1	Introduction	
	Overview	1-1
	Acronyms	1-1
	References	1-2
2	REST Specifications	
A	REST API Specification	

---

# My Oracle Support

My Oracle Support (<https://support.oracle.com>) is your initial point of contact for all product support and training needs. A representative at Customer Access Support can assist you with My Oracle Support registration.

Call the Customer Access Support main number at 1-800-223-1711 (toll-free in the US), or call the Oracle Support hotline for your local country from the list at <http://www.oracle.com/us/support/contact/index.html>. When calling, make the selections in the sequence shown below on the Support telephone menu:

- For Technical issues such as creating a new Service Request (SR), select **1**.
- For Non-technical issues such as registration or assistance with My Oracle Support, select **2**.
- For Hardware, Networking and Solaris Operating System Support, select **3**.

You are connected to a live agent who can assist you with My Oracle Support registration and opening a support ticket.

My Oracle Support is available 24 hours a day, 7 days a week, 365 days a year.

# What's New in This Guide

This section introduces the new/updated REST APIs for Release 1.6.0 in Oracle Communications Policy Control Function (PCF) REST API document .

## **New/Updated REST APIs for Release 1.6.0**

For PCF Release 1.6.0, this guide has been updated to include the following new REST APIs:

- Added REST API for Data Sources. See [REST Specifications](#)
- Added REST API for Policy Table. See [REST Specifications](#)
- Added REST API for Policy Management. See [REST Specifications](#)

# 1

## Introduction

This document provides information on how to use the Policy Control Function and configure the services.

## Overview

The Policy Control Function (PCF) is a functional element for policy control decision and flows based charging control functionalities. The PCF provides the following functions:

- Policy rules for application and service data flow detection, gating, QoS, and flow based charging to the Session Management Function (SMF)
- Access and Mobility Management related policies to the Access and Mobility Management Function (AMF)
- Provide UE Route Selection Policies (URSP) rules to UE via AMF

The PCF supports the above functions through the following services:

- Session Management Service
- Access and Mobility Service
- Policy Authorization Service
- User Equipment (UE) Policy Service

## Acronyms

Below table provides information about the acronyms used in the document.

**Table 1-1 Acronyms**

Acronym	Definition
AF	Application Function
AMF	Access and Mobility Management Function
AS	Access Stratum
AUSF	Authentication Server Function
BSF	Binding Support Function
CP	Control Plane
DL	Downlink
DN	Data Network
DNAI	DN Access Identifier
DNN	Data Network Name
FQDN	Fully Qualified Domain Name
GFBR	Guaranteed Flow Bit Rate

**Table 1-1 (Cont.) Acronyms**

<b>Acronym</b>	<b>Definition</b>
GMLC	Gateway Mobile Location Centre
GPSI	Generic Public Subscription Identifier
NAI	Network Access Identifier
NEF	Network Exposure Function
NF	Network Function
NRF	Network Repository Function
NSI ID	Network Slice Instance Identifier
NSSAI	Network Slice Selection Assistance Information
NSSF	Network Slice Selection Function
NSSP	Network Slice Selection Policy
NWDAF	Network Data Analytics Function
PCF	Policy Control Function
QFI	QoS Flow Identifier
QoE	Quality of Experience
SBA	Service Based Architecture
SBI	Service Based Interface
SD	Slice Differentiator
SEPP	Security Edge Protection Proxy
SMF	Session Management Function
SMSF	Short Message Service Function
S-NSSAI	Single Network Slice Selection Assistance Information
SUPI	Subscription Permanent Identifier
UDM	Unified Data Management
UDR	Unified Data Repository
UDSF	Unstructured Data Storage Function

## References

Refer to the following documents for more PCF information.

- Oracle Communications Cloud Native Policy Control Function User's Guide
- Oracle Communications Cloud Native Policy Control Function Installation Guide

# 2

## REST Specifications

This section provides information about REST specifications used in Policy Control Function (PCF).

**Resource Name: Data Sources**

**Table 2-1 Supported REST APIs - Data Sources**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Data Sources	/ocpm/common/v1/configuration/datasources	POST	Create Data Sources	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable
Data Sources	/ocpm/common/v1/configuration/datasources/{datasourceName}	GET	Get Data Source	200: OK Data Source is returned. 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable



Table 2-1 (Cont.) Supported REST APIs - Data Sources

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Data Sources	/ocpm/common/v1/configuration/datasources/{datasourceName}	PUT	update Data Source	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
Data Sources	/ocpm/common/v1/configuration/datasources/{datasourceName}	DELETE	Delete Data Source	200: Resource deleted successfully 204: No Content 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods****POST, GET, and PUT - Create, Get, and Update Data Sources**

**Table 2-2 Data structures supported by the POST, GET, and PUT Response Body**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Cardinality	Description
admin_state	boolean	O	1	when value is set to true, datasource (sh/sy) interaction takes place. <b>Default Value:</b> true
description	String	O	1	Details about the data source.
enable_subscription	boolean	O	1	Indicates whether MPE needs to subscribe to notifications from SH. <b>Default Value:</b> true
name	String	O	1	Data Source Name
primary_server	array	M	1	Primary data source server. The LDAP connection will be established with primary data source.
quaternary_server	array	O	1	Quaternary data source server. If primary , secondary and tertiary are not reachable then LDAP connection will be established with tertiary (if available) .
read_connection	number	O	1	Number of read connections established with data source.
realm	string	O	1	Defines the realm of the primary and optional secondary servers to connect (required).
role	string	O	1	only relevant for "Sy" datasource type. Possible values are: <ul style="list-style-type: none"> <li>• <b>Primary</b> – Irrespective of policy deployed, interaction with datasource will happen.</li> <li>• <b>Secondary</b> –</li> <li>• <b>On Demand</b> – When policy demands, then only interaction with datasource happens.</li> </ul>

**Table 2-2 (Cont.) Data structures supported by the POST, GET, and PUT Response Body**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Cardinality	Description
search_criteria	array	O	1	The criteria on which the data source search will be performed.
search_filter	array	O	1	
secondary_server	array	O	1	Secondary data source server. If Primary server is not reachable, then LDAP connection will be established with secondary (if available).
sh_profile	string	O	1	Define the Sh Profile to use with this data source.
tertiary_server	array	O	1	Tertiary data source server. If primary and secondary are not reachable, then LDAP connection will be established with tertiary (if available) .
timer_profile	string	O	1	
type	string	O	1	Type of data source. Possible values are: Sh, Sy, and LDAP
use_notif_eff	boolean	O	1	Specifies the User Data Request / Answer will allow multiple data references, Service Indications, and Identity Sets. The User Data Answer will be able to combine DataReference items resulting in the User Data Answer contents including a single XML document with the separate XML sections populated.

**DELETE - delete data source**

**Table 2-3 Data structures supported by the DELETE Response Body**

Field Name	Data Type	Constraints	Mandatory(M) )/ Optional(O)/ Conditional(C)	Cardinality	Description
Data Source Name	string		M	1	Data Source Name

**Resource Name: Peer Node**

**Table 2-4 Supported REST APIs - Peer Node**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Peer Node	/ocpm/common/v1/ configuration/diameter/ peernodes	POST	Create Peer Node	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable
Peer Node	/ocpm/common/v1/ configuration/diameter/ peernodes/ {peernodeName}	GET	Get Peer Node	200: OK Peer Node is returned. 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

Table 2-4 (Cont.) Supported REST APIs - Peer Node

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Peer Node	/ocpm/common/v1/configuration/diameter/peernodes/{peernodeName}	PUT	update Peer Node	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
Peer Node	/ocpm/common/v1/configuration/diameter/peernodes/{peernodeName}	DELETE	Delete Peer Node	200: Resource deleted successfully 204: No Content 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods****GET and PUT - Get, Create, and Update Peer Node**

**Table 2-5 Data structures supported by the GET and PUT Response Body**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Cardinality	Description
diamName	String	O	1	Unique Name of the Peer Node
dtype	String	O	1	Defines which type of Diameter Service it should take up. The value can be Application function (af) or diameter routing agent(dra).
host	String	O	1	The host name. Enter a FQDN, ipv4 or ipv6 address available for establishing diameter transport connections to the peer node.
identity	String	O	1	An identity to define a node in a realm.
initiateConnection	boolean	O	1	Set it to True to initiate a connection for this peer node. <b>Default Value:</b> FALSE
port	Number	O	1	The port number. Enter a number from 0 to 65535.
realm	String	O	1	The realm name, that is, FQDNs to all of that computers that transact diameter traffic.
reconnectLimit	Number			

**DELETE - delete peer node****Table 2-6 Data structures supported by the DELETE Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Cardinality	Description
Peer Node Name	string		M	1	Peer Node Name

**Resource Name: Diameter Settings****Table 2-7 Supported REST APIs - Diameter Settings**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Diameter Settings	/ocpm/ common/v1/ configuration/ diameter/ settings	GET	Get Diameter Settings	200: OK Diameter Settings are returned. 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable
Diameter Settings	/ocpm/ common/v1/ configuration/ diameter/ settings	PUT	update Diameter Settings	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout

**Resource Standard Methods****GET and PUT - Get and Update diameter settings**

**Table 2-8 Data structures supported by the GET and PUT Response Body**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Cardinality	Description
timer	timer	O		
transport	transport	O		

**Table 2-9 timer**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Cardinality	Description
connectionTimeout	Number	O	1	Defines the connection timeout interval in seconds. The default is 3 seconds.
reconnectDelay	Number	O	1	Defines the time frame to delay before attempting to reconnect after a connection failure in seconds. The default is 3 seconds.
responseTimeout	Number	O	1	Defines the response timeout interval in seconds. The default is 5 seconds.
watchdogInterval	Number	O	1	Defines the watchdog interval in seconds. The default is 6 seconds.

**Table 2-10 transport**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Cardinality	Description
protocol	string	O		



**Resource Name: Global Configurations****Table 2-11 Supported REST APIs - Global configurations**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Global Configurations	/ocpm/pcf/v1/configuration/global	GET	Get individual global configuration	200: OK Global configuration is returned 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable
Global Configurations	/ocpm/pcf/v1/configuration/global	PUT	update global configuration	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout

**Resource Standard Methods****GET and PUT - Get and Update individual global configuration**

**Table 2-12 Data structures supported by the GET and PUT Response Body**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Cardinality	Description
apiGatewayHost	String	O	1	Name for the API gateway host
apiGatewayPort	Number	O	1	Port number of the API gateway
enableMetrics	boolean	O	1	This determines if system metrics is enabled. This will take priority on global metrics config. <b>Default Value:</b> TRUE
enableTLS	boolean	O	1	This determines if TLS is enabled. <b>Default Value:</b> TRUE
enableTracing	boolean	O	1	This determines if tracing is enabled. <b>Default Value:</b> TRUE

**Resource Name:** *Service Area Restrictions*

**Table 2-13 Supported REST APIs - Service Area Restrictions**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Service Area Restrictions	/ocpm/pcf/v1/configuration/policy/am/servicearearestrictions	POST	Create service area restriction	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Table 2-13 (Cont.) Supported REST APIs - Service Area Restrictions**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
	/ocpm/pcf/v1/configuration/policy/am/servicearearestrictions/{serviceAreaRestrictionName}	GET	Get service area restriction	200: Resource fetched successfully 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/configuration/policy/am/servicearearestrictions/{serviceAreaRestrictionName}	PUT	Update service area restriction	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
	/ocpm/pcf/v1/configuration/policy/am/servicearearestrictions/{serviceAreaRestrictionName}	DELETE	Delete service area restriction	200: Resource deleted successfully 204: No Content 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods**

GET, POST, and PUT - Get, create, and update service area restriction

**Table 2-14 Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Cardinality	Description
areas	Service AreaRestriction Areas		O	1	A list of Areas. These areas are: <ul style="list-style-type: none"> <li>• allowed areas if RestrictionType is "ALLOWED_AREAS"</li> <li>• not allowed areas if RestrictionType is "NOT_ALLOWED_AREAS"</li> </ul>
description	Number		O	1	Specifies description of the Service Area Restriction
maxNumOfTAs	boolean		O	1	Specifies maximum number of TAs
name	string		M	1	Specifies name of the Service Area Restriction
restrictionType	ENUM	ALLOWED_AREAS, NOT_ALLOWED_AREAS	O	1	Possible values are: <ul style="list-style-type: none"> <li>• ALLOWED_AREAS</li> <li>• NOT_ALLOWED_AREAS</li> </ul>

**Table 2-15 ServiceAreaRestrictionAreas**

Field Name	Data Type	Description
areaCodes	String	Specifies area codes.
tacs	String	List of Type Allocation Codes. A decimal number between 0 and 65535.

**DELETE - delete service area restriction**

**Table 2-16 Data structures supported by the DELETE Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)	Cardinality	Description
serviceAreaRestrictionName	string		M	1	Service Area Restriction Name

**Resource Name:** *Presence Reporting Area*

**Table 2-17 Supported REST APIs - Presence Reporting Area**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Presence Reporting Area	/ocpm/pcf/v1/configuration/policy/common/pras	POST	Create presence reporting area	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/configuration/policy/common/pras/{presenceReportingAreaName}	GET	Get presence reporting area	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Table 2-17 (Cont.) Supported REST APIs - Presence Reporting Area**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
	/ocpm/pcf/v1/configuration/policy/am/servicearearestrictions/{serviceAreaRestrictionName}	PUT	Update presence reporting area	200: OK 201: Updated 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
	/ocpm/pcf/v1/configuration/policy/am/servicearearestrictions/{serviceAreaRestrictionName}	DELETE	Delete presence reporting area	200: OK 204: No Content. Presence Reporting Area was successfully deleted 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods**

GET, POST, and PUT - Get, create, and update presence reporting area

**Table 2-18 Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
ecgiList	PresenceRe portingArea EcgiList		O	1	Represents the list of tracking areas that constitutes the area. This IE shall be present if the subscription or the event report is for tracking UE presence in the tracking areas. For non 3GPP access the TAI shall be the N3GPP TAI.
globalRanNodeIdList	PresenceRe portingArea globalRanNo deIdList		O	1	Represents the list of NG RAN node identifiers that constitutes the area. This IE shall be present if the Area of Interest subscribed is a list of NG RAN node identifiers.
name	string		M	1	The unique name assigned to the PRA.
praid	String		M	1	The unique identifying number of the PRA list. The ID must be numeric value between 0 and 16777125.
ncgiList	PresenceRe portingArea NcgiList		O	1	Represents the list of NR cell Ids that constitutes the area. This IE shall be present if the Area of Interest subscribed is a list of NR cell Ids.

**Table 2-18 (Cont.) Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
presenceState	ENUM	IN_AREA, OUT_OF_A REA, UNKNOWN, INACTIVE	O	1	<p>Indicates whether the UE is inside or outside of the area of interest (e.g presence reporting area or the LADN area), or if the presence reporting area is inactive in the serving node.</p> <p>Select any one of the following values:</p> <ul style="list-style-type: none"> <li>• IN_AREA : Indicates that the UE is inside or enters the presence reporting area.</li> <li>• OUT_OF_A REA : Indicates that the UE is outside or leaves the presence reporting area.</li> <li>• UNKNOWN : Indicates it is unknown whether the UE is in the presence reporting area or not.</li> <li>• INACTIVE : Indicates that the presence reporting area is inactive in the serving node.</li> </ul>



**Table 2-18 (Cont.) Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
trackingAreaList	PresenceRe portingArea TrackingAre aList		O	1	Represents the list of tracking areas that constitutes the area. This IE shall be present if the subscription or the event report is for tracking UE presence in the tracking areas. For non 3GPP access the TAI shall be the N3GPP TAI.

Table 2-19 PresenceReportingAreaEcgiList

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
eutraCellId	String, enter a 7 digit hexadecimal value	M	28-bit string identifying an E-UTRA Cell Id as specified in hexadecimal representation. Each character in the string shall take a value of "0" to "9" or "A" to "F" and shall represent 4 bits. The most significant character representing the 4 most significant bits of the Cell Id shall appear first in the string, and the character representing the 4 least significant bit of the Cell Id shall appear last in the string. Pattern: '[A-Fa-f0-9]{7}\$' Example: An E-UTRA Cell Id 0x5BD6007 shall be encoded as "5BD6007".
plmnId	PlmnId	M	PLMN Identity

Table 2-20 PresenceReportingAreaGlobalRanNodeIdList

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
gNbId	GNbId		This field is included if the RAN Node Id represents a gNB. When present, this field contains the identifier of the gNB.
n3IwfId	string		This field is included if the RAN node belongs to non 3GPP access (i.e a N3IWF). If included, this field contains the FQDN of the N3IWF.

**Table 2-20 (Cont.) PresenceReportingAreaGlobalRanNodeIdList**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
ngeNbld	string		This field is included if the RAN Node Id represents a NG-eNB. When present, this field contains the identifier of an NG-eNB.
plmnld	Plmnld	M	Indicates the identity of the PLMN that the RAN node belongs to.

**Table 2-21 Plmnld**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
mcc	String	M	Specifies a Mobile Country Code of the PLMN. enter a 2 or 3 digit number.
mnc	String	M	Specifies a Mobile Network Code of the PLMN. enter a 2 or 3 digit number.

**Table 2-22 PresenceReportingAreaNcgIList**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
nrCellId	String, enter a 9 digit hexadecimal value	M	36-bit string identifying an NR Cell Id as specified in hexadecimal representation. Each character in the string shall take a value of "0" to "9" or "A" to "F" and shall represent 4 bits. The most significant character representing the 4 most significant bits of the Cell Id shall appear first in the string, and the character representing the 4 least significant bit of the Cell Id shall appear last in the string. Pattern: '[A-Fa-f0-9]{9}\$' Example: An NR Cell Id 0x225BD6007 shall be encoded as "225BD6007".
plmId	PlmId	M	PLMN Identity

**Table 2-23 PresenceReportingAreaTrackingAreaList**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
plmId	PlmId		PLMN Identity

**Table 2-23 (Cont.) PresenceReportingAreaTrackingAreaList**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
tac	string, enter a 4 or 6 digit hexadecimal value		28-bit string identifying an E-UTRA Cell Id as specified, in hexadecimal representation. Each character in the string shall take a value of "0" to "9" or "A" to "F" and shall represent 4 bits. The most significant character representing the 4 most significant bits of the Cell Id shall appear first in the string, and the character representing the 4 least significant bit of the Cell Id shall appear last in the string. Pattern: '^ [A-Fa-f0-9] {7}\$' Example: An E-UTRA Cell Id 0x5BD6007 shall be encoded as "5BD6007".

**DELETE - Delete presence reporting area**

**Table 2-24 Data structures supported by the DELETE Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditional(C)	Cardinality	Description
presenceReportingAreaName	string		M	1	Presence Reporting Area Name

**Resource Name: Charging Data****Table 2-25 Supported REST APIs - Charging Data**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Charging Data	/ocpm/pcf/v1/configuration/policy/smpolicy/chargingdata	POST	Create charging data	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/configuration/policy/smpolicy/chargingdata/{chargingDataName}	GET	Get charging data	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

Table 2-25 (Cont.) Supported REST APIs - Charging Data

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
	/ocpm/pcf/v1/configuration/policy/smpolicy/chargingdata/{chargingDataName}	PUT	Update charging data	200: Update Charging Data 201: Updated 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
	/ocpm/pcf/v1/configuration/policy/smpolicy/chargingdata/{chargingDataName}	DELETE	Delete charging data	200: OK 204: Charging Data was successfully deleted 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods**

GET, POST, and PUT - Get, create, and update charging data

**Table 2-26 Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditional(C)	Cardinality	Description
afChargingIdentifi ercgiList	integer (\$int64), Enter a value between 0 and 4294967295		O	1	Univocally identifies the charging control policy data within a PDU session.
appSvcProvd	string		O	1	Indicates the application service provider identity.
chgld	string		M		Specifies the charging id.
description	string		O	1	The description of the Charging Data.



**Table 2-26 (Cont.) Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
meteringMethod	ENUM	DURATION, VOLUME, DURATION _VOLUME, EVENT	O	1	<p>The following options are available</p> <ul style="list-style-type: none"> <li>• DURATION</li> <li>• VOLUME</li> <li>• DURATION_VOLUME</li> <li>• EVENT</li> </ul> <p>Defines what parameters shall be metered for offline charging. If the attribute is not present but it has been supplied previously, the previous information remains valid. If the attribute is not present and it has not been supplied previously or the attribute has been supplied previously but the attribute is set to NULL, the metering method pre-configured at the SMF is applicable as default metering method.</p>
name	string		M	1	The name of the Charging Data.

**Table 2-26 (Cont.) Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
offline	boolean		O	1	Indicates the offline charging is applicable to the PDU session or PCC rule. The default value "FALSE" shall apply, if the attribute is not present and has not been supplied previously. (NOTE)
online	boolean		O	1	Indicates the online charging is applicable to the PDU session or PCC rule. The default value "FALSE" shall apply, if the attribute is not present and has not been supplied previously. (NOTE)
ratingGroup	integer (\$int64), Enter a value between 0 and 4294967295		O	1	The charging key for the PCC rule used for rating purposes.

**Table 2-26 (Cont.) Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditional(C)	Cardinality	Description
reportingLevel	ENUM	SER_ID_LEVEL, RAT_GR_LEVEL, SPON_CON_LEVEL	O	1	<p>The following options are available:</p> <ul style="list-style-type: none"> <li>• SER_ID_LEVEL</li> <li>• RAT_GR_LEVEL</li> <li>• SPON_CON_LEVEL</li> </ul> <p>Defines on what level the SMF reports the usage for the related PCC rule. If the attribute is not present but it has been supplied previously, the previous information remains valid. If the attribute is not present and it has not been supplied previously or the attribute has been supplied previously but it is set to NULL, the reporting level pre-configured at the SMF is applicable as default reporting level.</p>
serviceId	integer (\$int64), Enter a value between 0 and 4294967295		O	1	Indicates the identifier of the service or service component the service data flow in a PCC rule relates to.
sponsorId	string		O	1	Indicates the sponsor identity.

**DELETE - Delete charging data**

**Table 2-27 Data structures supported by the DELETE Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)	Cardinality	Description
chargingDataName	string		M	1	Charging Data Name

**Resource Name: Condition Data**

**Table 2-28 Supported REST APIs - Condition Data**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Condition Data	/ocpm/pcf/v1/ configuration/ policy/smpolicy/ conditiondata	POST	Create condition data	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/ configuration/ policy/smpolicy/ conditiondata/ {conditionDataName}	GET	Get condition data	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

Table 2-28 (Cont.) Supported REST APIs - Condition Data

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
	/ocpm/pcf/v1/configuration/policy/smpolicy/conditiondata/{conditionDataName}	PUT	Update condition data	200: Updated condition Data 201: Updated 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
	/ocpm/pcf/v1/configuration/policy/smpolicy/conditiondata/{conditionDataName}	DELETE	Delete condition data	200: OK 204: condition Data was successfully deleted 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods**

GET, POST, and PUT - Get, create, and update condition data

**Table 2-29 Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
activationTime	string, example : YYYY-MM- DDTHH:MM: SS		O	1	The time when the decision data shall be activated.
condId	string		O	1	Specifies the condition ID.
deactivationTime	string example : YYYY-MM- DDTHH:MM: SS		O	1	The time when the decision data shall be deactivated.
description	string		O	1	The description of the Condition Data policy data.
name	string		M	1	The name of the Condition Data policy data.

**DELETE - Delete condition data****Table 2-30 Data structures supported by the DELETE Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)	Cardinality	Description
conditionDataName	string		M	1	The name of the Condition Data policy data.

**Resource Name: PCC Rule Profile****Table 2-31 Supported REST APIs - PCC Rule Profile**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
PCC Rule Profile	/ocpm/pcf/v1/configuration/policy/smpolicy/pccruleprofiles	POST	Create PCC Rule Profile	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/configuration/policy/smpolicy/pccruleprofiles/{pccRuleProfileName}	GET	Get PCC Rule Profile	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Table 2-31 (Cont.) Supported REST APIs - PCC Rule Profile**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
	/ocpm/pcf/v1/configuration/policy/smpolicy/pccruleprofiles/{pccRuleProfileName}	PUT	Update PCC Rule Profile	200: Updated PCC Rule Profile 201: Updated 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
	/ocpm/pcf/v1/configuration/policy/smpolicy/pccruleprofiles/{pccRuleProfileName}	DELETE	Delete PCC Rule Profile	200: OK 204: PCC Rule Profile was successfully deleted 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods****GET, POST, and PUT - Get, create, and update PCC Rule Profile**



**Table 2-32 Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditional(C) Ints	Cardinality	Description
afSigProtocol	ENUM	NO_INFORMATION, SIP	O	1	Specifies the protocol used for signaling between the UE and the AF.
appld	string		O	1	A reference to the application detection filter configured at the UPF.
appReloc	boolean		O	1	Specifies application relocation possibility.
contVer	string		O	1	Specifies the content version of the PCC rule.
description	string		O	1	Description of PCC Rule Profile.
flowInfos	FlowInfos		O	1	An array of IP flow packet filter information.
id	string		M		Unique identifier of PCC Rule Profile
name	string		M		Specifies the name of PCC Rule Profile.
precedence	string				Determines the order in which this PCC rule is applied relative to other PCC rules within the same PDU session. It shall be included if the <b>flowInfos</b> attribute is included or may be included if the <b>appld</b> attribute is included when the PCF initially provisions the PCC rule.

**Table 2-32 (Cont.) Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona l(C)aints	Cardinality	Description
refChgData	string				A reference to the ChargingData policy decision type.
refCondData	string				A reference to the condition data.
refQosData	string				A reference to the QoSData policy type decision type.
refTcData	string				A reference to the TrafficControlDat a policy decision type.
refUmData	string				A reference to UsageMonitoring Data policy decision type.
type	ENUM	DYNAMIC, PREDEFINE D			Possible values are: <ul style="list-style-type: none"> <li>• DYNAMIC</li> <li>• PREDEFINE D</li> </ul>

**Table 2-33 FlowInfos**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
ethFlowDescripti on	ethFlowDescripti on			Defines a packet filter for an Ethernet flow.
flowDescription	string			Specifies the packet filters of the IP flow(s).

Table 2-33 (Cont.) FlowInfos

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
flowDirection	ENUM	DOWNLINK, UPLINK, BIDIRECTIONAL , UNSPECIFIED		Indicates the direction/ directions that a filter is applicable, downlink only, uplink only or both down- and uplink (bidirectional).
flowLabel	string			Ipv6 flow label header field.
name	string		M	
packFiltId	string			An identifier of packet filter.
packetFilterUsage	boolean			The packet shall be sent to the UE. The default value <b>FALSE</b> shall apply, if the attribute is not present and has not been supplied previously.
spi	string			Specifies the security parameter index of the IPSec packet.
tosTrafficClass	string			Specifies the Ipv4 Type-of-Service and mask field or the Ipv6 Traffic-Class field and mask field.

Table 2-34 ethFlowDescription

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
destMacAddr	string enter a MAC address ,such as'3D-F2-C9-A6-B3-4F'.			A string indicating MAC address. Enter a valid MAC address. For example, 3D-F2-C9-A6-B3-4F

Table 2-34 (Cont.) ethFlowDescription

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
ethType	string			A two-octet string that represents the Ethertype, in hexadecimal representation. Each character in the string shall take a value of "0" to "9" or "A" to "F" and shall represent 4 bits. The most significant character representing the 4 most significant bits of the ethType shall appear first in the string, and the character representing the 4 least significant bits of the ethType shall appear last in the string.
fDesc	string			Indicates the details about flow. Enter a description for the flow.
fDir	ENUM	DOWNLINK, UPLINK, BIDIRECTIONAL , UNSPECIFIED		Indicates the flow direction. Select from the following options: <ul style="list-style-type: none"> <li>• DOWNLINK</li> <li>• UPLINK</li> <li>• BIDIRECTIONAL</li> <li>• UNSPECIFIED</li> </ul>
sourceMacAddr	string enter a MAC address ,such as'3D-F2-C9-A6-B3-4F'			Enter a MAC Address. For example, 3D-F2-C9-A6-B3-4F

Table 2-34 (Cont.) ethFlowDescription

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
vlanTags	string			Customer-VLAN and/or Service-VLAN tags containing the VID, PCP/DEI fields. Each field is encoded as a two-octet string in hexadecimal representation. Each character in the string shall take a value of "0" to "9" or "A" to "F" and shall represent 4 bits. The most significant character representing the 4 most significant bits of the VID or PCF/DEI field shall appear first in the string, and the character representing the 4 least significant bits of the VID or PCF/DEI field shall appear last in the string.

**DELETE - Delete PCC rule profile**

Table 2-35 Data structures supported by the DELETE Response Body

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Cardinality	Description
PCCRuleProfileName	string		M	1	PCC Rule Profile Name

**Resource Name: PCC Rule****Table 2-36 Supported REST APIs - PCC Rule**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
PCC Rule	/ocpm/pcf/v1/configuration/policy/smpolicy/pccrules	POST	Create PCC Rule	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/configuration/policy/smpolicy/pccrules/{pccRuleName}	GET	Get PCC Rule	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

Table 2-36 (Cont.) Supported REST APIs - PCC Rule

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
	/ocpm/pcf/v1/configuration/policy/smpolicy/pccrules/{pccRuleName}	PUT	Update PCC Rule	200: Updated PCC Rule 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
	/ocpm/pcf/v1/configuration/policy/smpolicy/pccrules/{pccRuleName}	DELETE	Delete PCC Rule	200: OK 204: PCC Rule was successfully deleted 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods**

GET, POST, and PUT - Get, create, and update PCC Rule

**Table 2-37 Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
afSigProtocol	ENUM	NO_INFOR MATION, SIP	O	1	Indicates the protocol used for signalling between the UE and the AF. The default value "NO_INFORMAT ION" shall apply, if the attribute is not present and has not been supplied previously.
appld	string		O	1	A reference to the application detection filter configured at the UPF.
appReloc	boolean		O	1	Indication of application relocation possibility. The default value "NO_INFORMAT ION" shall apply, if the attribute is not present and has not been supplied previously.
contVer	string		O	1	Indicates the content version of the PCC rule.
description	string		O	1	The description of the PCC rule
flowInfos	FlowInf os		O	1	An array of IP flow packet filter information.
name	string		M		The name of the PCC rule
pccRuleId	string		M		Univocally identifies the PCC rule within a PDU session.



**Table 2-37 (Cont.) Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona l(C)aints	Cardinality	Description
precedence	string		O		Determines the order in which this PCC rule is applied relative to other PCC rules within the same PDU session. It shall be included if the "flowInfos" attribute is included or may be included if the "appld" attribute is included when the PCF initially provisions the PCC rule.
refChgData	string		O		A reference to the ChargingData policy decision type.
refCondData	string		O		A reference to the condition data.
refQosData	string		O		A reference to the QoSData policy type decision type.
refTcData	string		O		A reference to the TrafficControlDat a policy decision type.
refUmData	string		O		A reference to UsageMonitoring Data policy decision type.
type	ENUM	DYNAMIC, PREDEFIN D	O		

Table 2-38 FlowInfos

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
ethFlowDescription	ethFlowDescription		O	Ethernet Flow Description Information
flowDescription	string		O	Indicates the details about flow. Enter a description for the flow.
flowDirection	ENUM	DOWNLINK, UPLINK, BIDIRECTIONAL, UNSPECIFIED	O	Indicates the flow direction. Select from the following options: <ul style="list-style-type: none"> <li>• DOWNLINK</li> <li>• UPLINK</li> <li>• BIDIRECTIONAL</li> <li>• UNSPECIFIED</li> </ul>
flowLabel	string		O	The Ipv6 flow label header field.
name	string		M	Indicates the name for the flow
packFiltId	string		O	An identifier of packet filter
packetFilterUsage	boolean		O	The packet shall be sent to the UE. The default value "FALSE" shall apply, if the attribute is not present and has not been supplied previously
spi	string		O	The security parameter index of the IPSec packet.
tosTrafficClass	string		O	Contains the Ipv4 Type-of-Service and mask field or the Ipv6 Traffic-Class field and mask field.

Table 2-39 ethFlowDescription

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
destMacAddr	string enter a MAC address ,such as'3D-F2-C9-A6- B3-4F'.		O	A string indicating MAC address. Enter a valid MAC address. For example, 3D-F2- C9-A6-B3-4F
ethType	string		O	A two-octet string that represents the Ethertype, in hexadecimal representation. Each character in the string shall take a value of "0" to "9" or "A" to "F" and shall represent 4 bits. The most significant character representing the 4 most significant bits of the ethType shall appear first in the string, and the character representing the 4 least significant bits of the ethType shall appear last in the string.
fDesc	string		O	Contains the flow description for the Uplink or Downlink IP flow. It shall be present when the Ethertype is IP.
fDir	ENUM	DOWNLINK, UPLINK, BIDIRECTIONAL , UNSPECIFIED	O	Indicates the packet filter direction. Select from the following options: <ul style="list-style-type: none"> <li>• DOWNLINK</li> <li>• UPLINK</li> <li>• BIDIRECTIO NAL</li> <li>• UNSPECIFI ED</li> </ul>

Table 2-39 (Cont.) ethFlowDescription

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
sourceMacAddr	string enter a MAC address ,such as'3D-F2-C9-A6- B3-4F'		O	Enter a source MAC Address. For example, 3D- F2-C9- A6-B3-4F
vlanTags	string		O	Customer-VLAN and/or Service- VLAN tags containing the VID, PCP/DEI fields. Each field is encoded as a two-octet string in hexadecimal representation. Each character in the string shall take a value of "0" to "9" or "A" to "F" and shall represent 4 bits. The most significant character representing the 4 most significant bits of the VID or PCF/DEI field shall appear first in the string, and the character representing the 4 least significant bits of the VID or PCF/DEI field shall appear last in the string.

**DELETE - Delete PCC Rule**

Table 2-40 Data structures supported by the DELETE Response Body

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditional(C)	Cardinality	Description
PCCRuleName	string		M	1	PCC Rule Name

**Resource Name: Policy Control Id****Table 2-41 Supported REST APIs - Policy Control Id**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Policy Control Id	/ocpm/pcf/v1/configuration/policy/smpolicy/policycounterids	POST	Create Policy Control Id	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/configuration/policy/smpolicy/policycounterids/{policyCounterIdName}	GET	Get Policy Control Id	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Table 2-41 (Cont.) Supported REST APIs - Policy Control Id**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
	/ocpm/pcf/v1/configuration/policy/smpolicy/policycounterids/{policyCounterId Name}	PUT	Update Policy Control Id	200: Updated Policy Control Id 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
	/ocpm/pcf/v1/configuration/policy/smpolicy/policycounterids/{policyCounterId Name}	DELETE	Delete Policy Control Id	200: OK 204: Policy Control Id was successfully deleted 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods****GET, POST, and PUT - Get, create, and update Policy Control Id**

**Table 2-42 Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
defaultStatus	string		O	1	Specifies the default status of Policy Counter Id.
desc	string		O	1	Specifies the description of Policy Counter Id.
id	string		O		Specifies the ID of Policy Counter Id.
name	string		M	1	Specifies the name of Policy Counter Id.

**DELETE - Delete Policy Control Id****Table 2-43 Data structures supported by the DELETE Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)	Cardinality	Description
policyControlName	string		M	1	Policy Counter Id's Name

**Resource Name: QoS Data****Table 2-44 Supported REST APIs - QoS Data**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
QoS Data	/ocpm/pcf/v1/configuration/policy/smpolicy/qosdata	POST	Create QoS Data	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/configuration/policy/smpolicy/qosdata/{qosDataName}	GET	Get QoS Data	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable



Table 2-44 (Cont.) Supported REST APIs - QoS Data

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
	/ocpm/pcf/v1/ configuration/ policy/smpolicy/ qosdata/ {qosDataName}	PUT	Update QoS Data	200: Updated QoS Data 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
	/ocpm/pcf/v1/ configuration/ policy/smpolicy/ qosdata/ {qosDataName}	DELETE	Delete QoS Data	200: OK 204: QoS Data was successfully deleted 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods**

GET, POST, and PUT - Get, create, and update QoS Data

**Table 2-45 Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditional(C) joints	Cardinality	Description
5qi	string (\$int32) enter a range in [0-255] number		O	1	Identifier for the authorized QoS parameters for the service data flow. It shall be included when the QoS data decision.
arp	Arp		O	1	ARP information
averwindow	string				
defQosFlowIndication	boolean		O	1	Indicates that the dynamic PCC rule shall always have its binding with the QoS Flow associated with the default QoS rule. Default value is "FALSE", if not present and has not been supplied previously.
description	string		O		The description of the Qos Data
gbrDl	string , Enter a value starting with number and ending bps or Kbps or Mbps or Gbps or Tbps		O		Indicates the guaranteed bandwidth in downlink.
gbrUl	string , Enter a value starting with number and ending bps or Kbps or Mbps or Gbps or Tbps		O		Indicates the guaranteed bandwidth in uplink.

**Table 2-45 (Cont.) Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditional(C)	Cardinality	Description
maxDataBurstVol	integer (\$int32) Enter a value between 1 and 4095		O		Denotes the largest amount of data that is required to be transferred within a period of 5GAN PDB (NOTE).
maxPacketLossRateDI	integer (\$int32) Enter a value between 0 and 1000		O		Indicates the downlink maximum rate for lost packets that can be tolerated for the service data flow.
maxPacketLossRateUI	integer (\$int32) Enter a value between 0 and 1000		O		Indicates the uplink maximum rate for lost packets that can be tolerated for the service data flow.
maxbrDI	string , Enter a value starting with number and ending bps or Kbps or Mbps or Gbps or Tbps		O		Indicates the max bandwidth in downlink.
maxbrUI	string , Enter a value starting with number and ending bps or Kbps or Mbps or Gbps or Tbps		O		Indicates the max bandwidth in uplink.
name	string		M	1	The name of the Qos Data
priorityLevel	integer (\$int32) Enter a value between 1 and 127		O		Defines the relative importance of a resource request.

**Table 2-45 (Cont.) Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
qnc	boolean		O		Indicates whether notifications are requested from 3GPP NG-RAN when the GFBR can no longer (or again) be guaranteed for a QoS flow during the lifetime of the QoS flow.
qosId	string				Specifies the QoS Id.
reflectiveQos	boolean		O		Indicates whether the QoS information is reflective for the corresponding service data flow. Default value is "FALSE", if not present and has not been supplied previously.
sharingKeyDI	string		O		Indicates, by containing the same value, what PCC rules may share resource in downlink direction.
sharingKeyUI	string		O		Indicates, by containing the same value, what PCC rules may share resource in uplink direction.

Table 2-46 Arp

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
preemptCap	ENUM	NOT_PREEMPT, MAY_PREEMPT	M	Defines whether a service data flow may get resources that were already assigned to another service data flow with a lower priority level.
preemptVuln	ENUM	NOT_PREEMPT ABLE, PREEMPTABLE	M	Defines whether a service data flow may lose the resources assigned to it in order to admit a service data flow with higher priority level.
priorityLevel	integer (\$int32) enter a range in [1-15] number		M	Defines the relative importance of a resource request.

**DELETE - Delete QoS Data**

Table 2-47 Data structures supported by the DELETE Response Body

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditional(C)	Cardinality	Description
qosDataName	string		M	1	Qos Data Name

**Resource Name: QoS Information****Table 2-48 Supported REST APIs - QoS Information**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
QoS Information	/ocpm/pcf/v1/configuration/policy/smpolicy/qosinformation	POST	Create QoS Information	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/configuration/policy/smpolicy/qosinformation/{qosInformationName}	GET	Get QoS Information	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

Table 2-48 (Cont.) Supported REST APIs - QoS Information

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
	/ocpm/pcf/v1/configuration/policy/smpolicy/qosinformation/{qosInformationName}	PUT	Update QoS Information	200: Updated QoS Information 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
	/ocpm/pcf/v1/configuration/policy/smpolicy/qosinformation/{qosInformationName}	DELETE	Delete QoS Information	200: OK 204: QoS Information was successfully deleted 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods**

GET, POST, and PUT - Get, create, and update QoS Information

**Table 2-49 Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
5qi	string (\$int32) enter a range in [0-255] number		O	1	Identifier for the authorized QoS parameters for the service data flow. It shall be included when the QoS data decision is initially provisioned.
arp	Arp		O	1	Indicates the allocation and retention priority. It shall be included when the Authorized Default QoS is initially provisioned.
averWindow	string example : 2000		O		Represents the duration over which the guaranteed and maximum bitrate shall be calculated (NOTE).
description	string		O		The description of the Qos Information.
maxDataBurstVol	string example : 2000				Denotes the largest amount of data that is required to be transferred within a period of 5GAN PDB (NOTE).
name	string		M	1	The name of the Qos Information.
priorityLevel	integer (\$int32)		O		Unsigned integer indicating the 5QI Priority Level, within a range of 1 to 127.



Table 2-50 Arp

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
preemptCap	ENUM	NOT_PREEMPT, MAY_PREEMPT	M	Defines whether a service data flow may get resources that were already assigned to another service data flow with a lower priority level. Possible values are: <ul style="list-style-type: none"> <li>• NOT_PREEMPT : Shall not trigger pre-emption.</li> <li>• MAY_PREEMPT : May trigger pre-emption.</li> </ul>
preemptVuln	ENUM	NOT_PREEMPTABLE, PREEMPTABLE	M	Defines whether a service data flow may lose the resources assigned to it in order to admit a service data flow with higher priority level. Possible values are: <ul style="list-style-type: none"> <li>• NOT_PREEMPTABLE : Shall not be pre-empted.</li> <li>• PREEMPTABLE : May be pre-empted.</li> </ul>
priorityLevel	integer (\$int32)		M	Unsigned integer indicating the ARP Priority Level, within the range 1 to 15.

DELETE - Delete QoS Information

**Table 2-51 Data structures supported by the DELETE Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)	Cardinality	Description
qosInformationName	string		M	1	Qos Information Name

**Resource Name: Session Rule Profile**

**Table 2-52 Supported REST APIs - Session Rule Profile**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Session Rule Profile	/ocpm/pcf/v1/configuration/policy/smpolicy/sessionruleprofiles	POST	Create Session Rule Profile	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/configuration/policy/smpolicy/sessionruleprofiles/{sessionRuleProfileName}	GET	Get Session Rule Profile	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

Table 2-52 (Cont.) Supported REST APIs - Session Rule Profile

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
	/ocpm/pcf/v1/configuration/policy/smpolicy/sessionruleprofiles/{sessionRuleProfileName}	PUT	Update Session Rule Profile	200: Updated Session Rule Profile 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
	/ocpm/pcf/v1/configuration/policy/smpolicy/sessionruleprofiles/{sessionRuleProfileName}	DELETE	Delete Session Rule Profile	200: OK 204: Session Rule Profile was successfully deleted 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods****GET, POST, and PUT - Get, create, and update Session Rule Profile**

**Table 2-53 Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
authDefQosId	string		O	1	Authorized default QoS information
authSessAmbr	AuthSessAmbr		O	1	Authorized Session-AMBR
description	string				Specifies the description of the Session Rule Profile
name	string		M	1	Specifies the name of the Session Rule Profile
refCondData	stiring				
sessRuleProfileId	string		M	1	Specifies the Session Rule Profile ID

**Table 2-54 AuthSessAmbr**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
downlink	string		O	AMBR for downlink
uplink	string		O	AMBR for uplink

**DELETE - Delete Session Rule Profile****Table 2-55 Data structures supported by the DELETE Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)	Cardinality	Description
sessionRuleProfileName	string		M	1	Session Rule Profile Name

**Resource Name: Session Rule****Table 2-56 Supported REST APIs - Session Rule**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Session Rule Profile	/ocpm/pcf/v1/configuration/policy/smpolicy/sessionrules	POST	Create Session Rule	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/configuration/policy/smpolicy/sessionruleprofiles/{sessionRuleName}	GET	Get Session Rule	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

Table 2-56 (Cont.) Supported REST APIs - Session Rule

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
	/ocpm/pcf/v1/configuration/policy/smpolicy/sessionruleprofiles/{sessionRuleName}	PUT	Update Session Rule	200: Updated Session Rule 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
	/ocpm/pcf/v1/configuration/policy/smpolicy/sessionruleprofiles/{sessionRuleName}	DELETE	Delete Session Rule	200: OK 204: Session Rule was successfully deleted 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods**

GET, POST, and PUT - Get, create, and update Session Rule

**Table 2-57 Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditional(C)	Cardinality	Description
authDefQosId	string		O	1	Authorized default QoS information
authSessAmbr	AuthSessAmbr		O	1	Authorized Session-AMBR
description	string		O		Specifies the description of the Session Rule
name	string		M	1	Specifies the name of the Session Rule
refCondData	string				specifies the reference to the condition data
sessRuleId	string		M	1	Specifies the Session Rule ID

**Table 2-58 AuthSessAmbr**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
downlink	string Enter a value starting with number and ending bps or Kbps or Mbps or Gbps or Tbps		O	AMBR for downlink
uplink	string Enter a value starting with number and ending bps or Kbps or Mbps or Gbps or Tbps		O	AMBR for uplink

**DELETE - Delete Session Rule Profile**

**Table 2-59 Data structures supported by the DELETE Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)	Cardinality	Description
sessionRuleName	string		M	1	Session Rule Name

**Resource Name:**Traffic Control Data

**Table 2-60 Supported REST APIs -Traffic Control Data**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Traffic Control Data	/ocpm/pcf/v1/configuration/policy/smpolicy/trafficcontroldata	POST	Create Traffic Control Data	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/configuration/policy/smpolicy/trafficcontroldata / {trafficControlDataName}	GET	Get Traffic Control Data	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable



Table 2-60 (Cont.) Supported REST APIs -Traffic Control Data

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
	/ocpm/pcf/v1/configuration/policy/smpolicy/trafficcontroldata / {trafficControlDataName}	PUT	Update Traffic Control Data	200: Updated Traffic Control Data 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
	/ocpm/pcf/v1/configuration/policy/smpolicy/trafficcontroldata / {trafficControlDataName}	DELETE	Delete Traffic Control Data	200: OK 204: Traffic Control Data was successfully deleted 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods**

GET, POST, and PUT - Get, create, and update Traffic Control Data

**Table 2-61 Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
description	string		O		The description of the Traffic Control policy data.
flowStatus	ENUM	ENABLED- UPLINK, ENABLED- DOWNLINK, ENABLED, DISABLED, REMOVED	O		The following options are available: <ul style="list-style-type: none"> <li>• ENABLED-UPLINK</li> <li>• ENABLED-DOWNLINK</li> <li>• ENABLED</li> <li>• DISABLED</li> <li>• REMOVED</li> </ul> Enum determining what action to perform on traffic. Possible values are: [enable, disable, enable_uplink, enable_downlink] . The default value "ENABLED" shall apply, if the attribute is not present and has not been supplied previously.
muteNotif	boolean		O		Indicates whether application's start or stop notification is to be muted. The default value "FALSE" shall apply, if the attribute is not present and has not been supplied previously.
name	string		M	1	The name of the Traffic Control policy data.

**Table 2-61 (Cont.) Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditional(C)	Cardinality	Description
redirectInfo	RedirectInfo		O	1	Redirect Information
routeToLocs	RouteToLocs		O		Route To Locs Information
tclid	string		O		Specifies the traffic control ID.
trafficSteeringPolicyId	string		O		Reference to a pre-configured traffic steering policy for downlink traffic at the SMF.
trafficSteeringPolicyIdUplink	string		O		Reference to a pre-configured traffic steering policy for uplink traffic at the SMF.
upPathChgEvent	UpPathChgEvent		O		Up Path Chg Event Information

**Table 2-62 RedirectInfo**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
redirectAddressType	ENUM	IPV4_ADDR, IPV6_ADDR, URL, SIP_URI	O	This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.
redirectEnabled	boolean		O	Indicates the redirect is enabled.
redirectServerAddress	string		O	Indicates the address of the redirect server.

**Table 2-63 RouteToLocs**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
dnai	string		O	Identifies the location of the application.
routeInfo	RouteInfo		O	Includes the traffic routing information.
routeProfId	string		O	Identifies the routing profile Id.

**Table 2-64 RouteInfo**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
ipv4Addr	string		O	Ipv4 address of the tunnel end point in the data network.
ipv6Addr	string		O	Ipv6 address of the tunnel end point in the data network
portNumber	integer (\$int32) Enter a number greater than or equal to 0		O	UDP port number of the tunnel end point in the data network.

Table 2-65 UpPathChgEvent

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
dnaiChgType	ENUM	EARLY, EARLY_LATE, LATE	O	The following options are available: <ul style="list-style-type: none"> <li>• EARLY</li> <li>• EARLY_LATE</li> <li>• LATE</li> </ul> Possible values are - EARLY: Early notification of UP path reconfiguration. - EARLY_LATE: Early and late notification of UP path reconfiguration. This value shall only be present in the subscription to the DNAI change event. - LATE: Late notification of UP path reconfiguration. This string provides forwardcompatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.
notifCorreId	string		O	It is used to set the value of Notification Correlation ID in the notification sent by the SMF.
notificationUri	string		O	

**DELETE - Delete Traffic Control Data**

**Table 2-66 Data structures supported by the DELETE Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)	Cardinality	Description
trafficControlData Name	string		M	1	Traffic Control Data Name

**Resource Name:** Usage Monitoring Data

**Table 2-67 Supported REST APIs - Usage Monitoring Data**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Usage Monitoring Data	/ocpm/pcf/v1/ configuration/ policy/smpolicy/ usagemonitoring data	POST	Create Usage Monitoring Data	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/ configuration/ policy/smpolicy/ usagemonitoring data/ {usageMonitorin gDataName}	GET	Get Usage Monitoring Data	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Table 2-67 (Cont.) Supported REST APIs - Usage Monitoring Data**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
	/ocpm/pcf/v1/configuration/policy/smpolicy/usagemonitoringdata/{usageMonitoringDataName}	PUT	Update Usage Monitoring Data	200: Updated Usage Monitoring Data 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
	/ocpm/pcf/v1/configuration/policy/smpolicy/usagemonitoringdata/{usageMonitoringDataName}	DELETE	Delete Usage Monitoring Data	200: OK 204: Usage Monitoring Data was successfully deleted 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods****GET, POST, and PUT - Get, create, and update Usage Monitoring Data**

**Table 2-68 Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
description	string		O		The description of the UsageMonitoring Data.
exUsagePccRule Ids	string		O		Contains the PCC rule identifier(s) which corresponding service data flow(s) shall be excluded from PDU Session usage monitoring. It is only included in the UsageMonitoring Data instance for session level usage monitoring.
inactivityTime	string		O		Defines the period of time after which the time measurement shall stop, if no packets are received.
monitoringTime	string		O	1	Indicates the time at which the UP function is expected to reapply the next thresholds (e.g. nextVolThreshold).
name	string		M	1	The name of the UsageMonitoring Data.
nextTimeThresho ld	string		O		Indicates a time threshold after the Monitoring.
nextVolThreshold	string		O		Indicates a volume threshold after the Monitoring.



**Table 2-68 (Cont.) Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
nextVolThreshold Downlink	string		O		Indicates a volume threshold in downlink after the Monitoring Time.
nextVolThreshold Uplink	string		O		Indicates a volume threshold in uplink after the Monitoring Time.
timeThreshold	string		O		Indicates a time threshold.
umId	string		M		Specifies the usage monitoring data Id.
volumeThreshold	string		O		Indicates a volume threshold.
volumeThreshold Downlink	string		O		Indicates a volume threshold in downlink.
volumeThreshold Uplink	string		O		Indicates a volume threshold in uplink.

**DELETE - Delete Usage Monitoring Data****Table 2-69 Data structures supported by the DELETE Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)	Cardinality	Description
usageMonitoring DataName	string		M	1	Usage Monitoring Data Name

**Resource Name: UPSI****Table 2-70 Supported REST APIs -UPSI**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
UPSI	/ocpm/pcf/v1/configuration/policy/userpolicy/upsis	POST	Create UPSI	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/configuration/policy/userpolicy/upsis/{upsiName}	GET	Get UPSI	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

Table 2-70 (Cont.) Supported REST APIs -UPSI

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
	/ocpm/pcf/v1/configuration/policy/userpolicy/upsis/{upsiName}	PUT	Update UPSI	200: Updated UPSI 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
	/ocpm/pcf/v1/configuration/policy/userpolicy/upsis/{upsiName}	DELETE	Delete UPSI	200: OK 204: UPSI was successfully deleted 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods****GET, POST, and PUT - Get, create, and update UPSI**

**Table 2-71 Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
name	string		M	1	Name of the UPSI.
plmn	Plmn		M	1	PLMN Identity
upsc	integer(\$int3 2) Enter a value between 0 and 65535.		M	1	Defines UE Policy Section Code. Enter a number between 0 and 65,535.
urspRules	string		O		Defines URSP rules.

**Table 2-72 Plmn**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
mcc	string Valid Range [0-999]		M	Specifies a Mobile Country Code. enter a 2 or 3 digit number.
mnc	string Valid Range [0-999]		M	Specifies a Mobile Network Code. enter a 2 or 3 digit number.

**DELETE - Delete UPSI****Table 2-73 Data structures supported by the DELETE Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)	Cardinality	Description
upsiName	string		M	1	UPSI Name

**Resource Name: URSP****Table 2-74 Supported REST APIs -URSP**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
URSP	/ocpm/pcf/v1/configuration/policy/userpolicy/ursps	POST	Create URSP	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/configuration/policy/userpolicy/ursps/{urspName}	GET	Get URSP	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

Table 2-74 (Cont.) Supported REST APIs -URSP

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
	/ocpm/pcf/v1/configuration/policy/userpolicy/urmps/{urmpName}	PUT	Update URSP	200: Updated URSP 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout
	/ocpm/pcf/v1/configuration/policy/userpolicy/urmps/{urmpName}	DELETE	Delete URSP	200: OK 204: URSP was successfully deleted 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods**  
GET, POST, and PUT - Get, create, and update URSP

**Table 2-75 Data structures supported by the GET , POST and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditional(C)	Cardinality	Description
name	string		M	1	Name of the URSP rule.
precedence	integer(\$int32) 2) Enter a value between 0 and 255.		M	1	Precedence value of the URSP rule.
routeSelectionDescriptorList	UrspRouteSelectionDescriptorList		O		List of URSP routes.
trafficDescriptors	TrafficDescriptorIE		O		List of traffic descriptors.

**Table 2-76 UrspRouteSelectionDescriptorList**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
routePrecedence	integer(\$int32)		M	
routeSelectionDescriptorComponents	RouteSelectionDescriptorComponentIE		M	

**Table 2-77 UrspRouteSelectionDescriptorList**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
routePrecedence	integer(\$int32)		O	
routeSelectionDescriptorComponents	RouteSelectionDescriptorComponentIE		O	

**Table 2-78 RouteSelectionDescriptorComponentIE**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
routeSelectionDescriptorType	ENUM		O	

**Table 2-78 (Cont.) RouteSelectionDescriptorComponentIE**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
value	RouteSelectionDescriptorComponent		O	

**Table 2-79 TrafficDescriptorIE**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
trafficDescriptorType	ENUM	SSC_MODE, SNSSAI, DNN, PDU_SESSION_TYPE, PREFERRED_ACCESS_TYPE, NON_SEAMLESS_NON_3GPP_OFFLOAD_INDICATION	O	
value	RouteSelectionDescriptorComponent		O	



**Table 2-80 RouteSelectionDescriptorComponentIE**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
routeSelectionDe scriptorType	ENUM	MATCH_ALL, OS_ID_OS_APP _ID, IPV4_REMOTE_ ADDRESS, IPV6_REMOTE_ ADDRESS, PROTOCOL_IDE NTIFIER, SINGLE_REMOT E_PORT, REMOTE_PORT _RANGE, SECURITY_PAR AMETER_INDEX , TYPE_OF_SERV ICE_CLASS, FLOW_LABEL, DESTINATION_ MAC_ADDRESS , T_802_1Q_C_TA G_VID, T_802_1Q_S_TA G_VID, ETHERTYPE, DNN, CONNECTION_ CAPABILITIES, DESTINATION_ FQDN, OS_APP_ID, T_802_1Q_C_TA G_PCP_DEI, T_802_1Q_S_TA G_PCP_DEI	O	
value	TrafficDescriptor Component		O	

**DELETE - Delete URSP****Table 2-81 Data structures supported by the DELETE Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona l(C)	Cardinality	Description
urspName	string		M	1	URSP Name

**Resource Name: Access and Mobility Service****Table 2-82 Supported REST APIs - Access and Mobility Service**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Access and Mobility Service	/ocpm/pcf/v1/configuration/service/am	GET	Get Access and Mobility Service	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/configuration/service/am	PUT	Update Access and Mobility Service	200: Updated 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout

**Resource Standard Methods****GET and PUT - Get and update Access and Mobility Service**

**Table 2-83 Data structures supported by the GET and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
app	AppConfigur ation		O		
system	AMServiceS ystemConfig uration		O		

**Table 2-84 AppConfiguration**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
defaultRfsp	string		O	RFSP (Rat Frequency Selection Priority)
defaultServArea ResCfglD	string		O	SAR (Service Area Restriction)
defaultTriggers	ENUM	LOC_CH, PRA_CH, SERV_AREA_C H, RFSP_CH, UE_POLICY	O	

**Table 2-85 AMServiceSystemConfiguration**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
enableHttp2Clien t	boolean		O	Enables http2 client. <b>Default Value:</b> TRUE
isSubscribe	boolean		O	Indicates whether service is subscribed. Default Value: TRUE

Table 2-85 (Cont.) AMServiceSystemConfiguration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
isValidateUser	boolean		O	Determines if user validate is enabled. HTTP 400 with cause <b>USER_UNKNO WN</b> returns, if this is enabled and user not found in UDR. <b>Default Value:</b> FALSE
logList	AMServiceSystemConfigurationLogList		O	
rootLogLevel	string, ENUM	TRACE, DEBUG, INFO, WARN, ERROR, ALWAYS	M	Indicates the log level of PCF Session Management (SM) service. <b>Default Value:</b> <b>WARN</b>
usePolicyService	boolean		O	If selected, uses the policy service. Component tracing is used to evaluate system process latency in detail level. <b>Default Value:</b> TRUE
useUserPolicy	boolean		O	If selected uses the user service. <b>Default Value:</b> TRUE

Table 2-86 AMServiceSystemConfigurationLogList

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
level	ENUM	TRACE, DEBUG, INFO, WARN, ERROR, ALWAYS	O	
name	string		M	

**Resource Name: Policy Authorization Service****Table 2-87 Supported REST APIs - Policy Authorization Service**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Policy Authorization Service	/ocpm/pcf/v1/configuration/service/pa	GET	Get Policy Authorization Service	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/configuration/service/pa	PUT	Update Policy Authorization Service	200: Updated 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout

**Resource Standard Methods****GET and PUT - Get and update Policy Authorization Service**

**Table 2-88 Data structures supported by the GET and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
imsEmergencySession	IMSEmergencySession PServiceConfiguration		O		
system	PServiceSystemConfiguration		O		

**Table 2-89 IMSEmergencySessionPServiceConfiguration**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
emergencyServiceURNs	string Any number of values are permitted for Emergency Service URNs		O	
reservationPriorityTypes	ENUM	PRIO_1, PRIO_2, PRIO_3, PRIO_4, PRIO_5, PRIO_6, PRIO_7, PRIO_8, PRIO_9, PRIO_10, PRIO_11, PRIO_12, PRIO_13, PRIO_14, PRIO_15, PRIO_16	O	

**Table 2-90 PServiceSystemConfiguration**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
afDirectReply	boolean		O	
afSubsNotifySegment	string example: termination		O	

**Table 2-90 (Cont.) PAMServiceSystemConfiguration**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
afTerminateUriSegment	string example: termination		O	
overrideSupportedFeatures	string		O	

**Resource Name: Session Management Service**

**Table 2-91 Supported REST APIs - Session Management Service**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Session Management Service	/ocpm/pcf/v1/ configuration/ service/sm	GET	Get Session Management Service	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/ configuration/ service/sm	PUT	Update Session Management Service	200: Updated 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout

**Resource Standard Methods**

## GET and PUT - Get and update Session Management Service

Table 2-92 Data structures supported by the GET and PUT Response Body

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditional(C)	Cardinality	Description
imsEmergencySession	BindingConfiguration				
charging	ChargingConfiguration				
imsEmergencySession	IMSEmergencySessionConfiguration				
policy	Policy				
policyControlRequestTrigger	PolicyControlRequestTrigger				
qos	QOSConfiguration				
rule	RuleConfiguration				
system	SystemConfiguration				
traffic	TrafficControlConfiguration				
user	UserConfiguration				

Table 2-93 BindingConfiguration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
bindingOperationEnabled	boolean		O	This determines if binding operation (register and deregister) to the BSF is enabled. <b>Default Value:</b> TRUE
useHttp2	boolean		O	Determines if using http/2 to communicate with BSF. Otherwise use http/1.1. <b>Default Value:</b> TRUE



Table 2-93 (Cont.) BindingConfiguration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
useLocalConfiguredBsfAlways	boolean		O	Whether to use local configured BSF without Always discovering. <b>Default Value:</b> FALSE
useLocalConfiguredBsfWhenNotDiscovered	boolean		O	Whether to use local configured (if having) BSF when not discovered or discover failed. <b>Default Value:</b> FALSE

Table 2-94 ChargingConfiguration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
chgDataIdPrefix	string		O	This is the prefix of chg data id used by PCF to generate chg data id. For example, prefix is "chgdata_", the generated chg data id is chgdata_0, chgdata_1, etc. <b>Default Value:</b> chgdata_
offline	boolean		O	
online	boolean		O	
primaryChfAddress	string		O	Specifies the primary CHF address.
secondaryChfAddress	string		O	Specifies the secondary CHF address.

**Table 2-95 IMSEmergencySessionConfiguration**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
arpPreemptCap	ENUM	NOT_PREEMPT, MAY_PREEMPT	M	
arpPreemptVuln	boolean	NOT_PREEMPT ABLE, PREEMPTABLE	M	
arpPriorityLevel	integer (\$int32)		O	
emergencyDNNs	string Any number of values are permitted for Emergency DNNs		O	

**Table 2-96 Policy**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
evaluateEnabled	boolean		O	This determines if policy evaluate is enabled. <b>Default Value:</b> TRUE

Table 2-97 PolicyControlRequestTrigger

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
defaultPolicyControlRequestTriggers	string, ENUM	PLMN_CH, RES_MO_RE, AC_TY_CH, UE_IP_CH, UE_MAC_CH, AN_CH_COR, US_RE, APP_STA, APP_STO, AN_INFO, CM_SES_FAIL, PS_DA_OFF, DEF_QOS_CH, SE_AMBR_CH, QOS_NOTIF, NO_CREDIT, PRA_CH, SAREA_CH, SCNN_CH, RE_TIMEOUT, RES_RELEASE, SUCC_RES_ALL O, RAT_TY_CH, REF_QOS_IND_ CH	O	This is the default Policy Control Request Trigger(s) to install on PDU session at SM Policy Association Establishment. This is a comma split string.

Table 2-98 QoSConfiguration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)ai nts	Description
defaultQos5qi	string example: 9		O	This is the 5Qi of default Qos which will be applied if no default Qos is requested by UE. <b>Default Value: 9</b>
defaultQosArpPreemptCap	ENUM	NOT_PREEMPT, MAY_PREEMPT	O	This is the ARP PreemptionCapability of default Qos which will be applied if no default Qos is requested by UE. <b>Default Value: MAY_PREEMPT</b>

Table 2-98 (Cont.) QOSConfiguration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)ai nts	Description
defaultQosArpPreemptVuln	ENUM	PREEMPTABLE, NOT_PREEMPTABLE	O	This is the ARP PreemptionVulnerability of default Qos which will be applied if no default Qos is requested by UE. <b>Default Value:</b> NOT_PREEMPTABLE
defaultQosArpPriorityLevel	string		O	This is the ARP Priority Level of default Qos which will be applied if no default Qos is requested by UE. <b>Default Value:</b> 1
installDefQosIfNotRequested	boolean		O	This determines whether to install default Qos to the PDU session if UE not requested <b>Default Value:</b> TRUE
qosDataIdPrefix	string		O	This is the prefix of qos data id used by PCF to generate qos data id. For example, prefix is "qosdata_", the generated qos data id is qosdata_0, chgdata_1, etc. <b>Default Value:</b> qosdata_
updateDefaultPcfRuleWithAuthDefQos	boolean		O	This determines whether to update Qos of default PccRule with the authDefQos of session rule. <b>Default Value:</b> TRUE

Table 2-99 RuleConfiguration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)ai nts	Description
appRulePrecedenceMax	string		O	This value defines the maximum value for precedence of a PCC rule as authorized by the establishment of an application flow by the AF. If multiple rules are applied to the same packet flow or UE resource (i.e., overlapping rules) a rule with lower precedence value takes the priority over a rule with higher precedence value. The value of -1 is used to not set the precedence of a rule (NOT RECOMMENDED). <b>Default Value:</b> 899

Table 2-99 (Cont.) RuleConfiguration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)ai nts	Description
appRulePrecedenceMin	string		O	This value defines the minimum value for precedence of a PCC rule as authorized by the establishment of an application flow by the AF. If multiple rules are applied to the same packet flow or UE resource (i.e., overlapping rules) a rule with lower precedence value takes the priority over a rule with higher precedence value. The value of -1 is used to not set the precedence of a rule (NOT RECOMMENDED). <b>Default Value:</b> 400
defaultPccRule5qi	string		O	This is the 5Qi of default pcc rule. <b>Default Value:</b> 9
defaultQosArpPriorityLevel	string		O	This is the ARP Priority Level of qos of default pcc rule The range is 1 to 15. Values are ordered in decreasing order of priority, for example, with 1 as the highest priority and 15 as the lowest priority. <b>Default Value:</b> 15

Table 2-99 (Cont.) RuleConfiguration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)ai nts	Description
defaultPccRuleAr pPreemptCap	ENUM	NOT_PREEMPT, MAY_PREEMPT	O	This is the ARP PreemptionCapa bility of qos of default PCC rule. <ul style="list-style-type: none"> <li>• NOT_PREE MPT</li> <li>• MAY_PREE MPT</li> </ul> <b>Default Value:</b> NOT_PREEMPT
defaultPccRuleAr pPreemptVuln	ENUM	PREEMPTABLE, NOT_PREE MPTABLE	O	This is the ARP PreemptionVulne rability of qos of default pcc rule. <ul style="list-style-type: none"> <li>• PREEMPTA BLE</li> <li>• NOT_PREE MPTABLE</li> </ul> <b>Default Value:</b> PREEMPTABLE
defaultPccRuleAr pPriorityLevel	string example: 15		O	This is the ARP Priority Level of qos of default pcc rule The range is 1 to 15. Values are ordered in decreasing order of priority, for example, with 1 as the highest priority and 15 as the lowest priority. <b>Default Value:</b> 15
defaultPccRulePr ecedence	string		O	This is the precedence of default pcc rule. <b>Default Value:</b> 3000

Table 2-99 (Cont.) RuleConfiguration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)ai nts	Description
installDefaultPcc Rule	ENUM	ALWAYS, IF_NO_PROVISI ONED_RULE, IF_NO_RULE, NEVER	O	This determine whether and how to install default pcc rule for a PDU session <ul style="list-style-type: none"> <li>• ALWAYS</li> <li>• IF_NO_PROVISONED_RULE: Only if no other provisioned rule is configured</li> <li>• IF_NO_RULE: Only if no other rule (predefined or provisioned) is configured/ installed</li> <li>• NEVER</li> </ul> <b>Default Value:</b> IF_NO_RULE
ruleIdPrefix	string		O	This is the prefix of rule id of the pcc rule or session rule auto generated by PCF. for example, prefix is "0_", the generated rule id is 0_0, 0_1, etc. <b>Default Value:</b> 0_



Table 2-99 (Cont.) RuleConfiguration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)ai nts	Description
switchFlowInToOutEnabled	boolean		O	This determines whether to switch "in" to "out" in flow description. The src and desc will be switched as well. For example, if enabled, "permit in ip from 2800:a00:cc01:c056:1c00:de10:c481:f193/128 to 2800:a00:800:7::1:3b/128 36004" will be changed to "permit out ip from 2800:a00:800:7::1:3b/128 36004 to 2800:a00:cc01:c056:1c00:de10:c481:f193/128" <b>Default Value:</b> FALSE

Table 2-100 SystemConfiguration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)ai nts	Description
apiRoot	string		O	
componentTracingEnabled	boolean		O	Determines if component tracing is enabled. Component tracing is used to evaluate system process latency in detail level. <b>Default Value:</b> FALSE

Table 2-100 (Cont.) SystemConfiguration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)ai nts	Description
logLevel	Sting, ENUM	DEBUG, INFO, WARN, ERROR	O	Indicates the log level of PCF Session Management (SM) service. <b>Default Value:</b> WARN
metricsEnabled	boolean		O	This determines if system metrics is enabled. This will take priority on global metrics config. <b>Default Value:</b> TRUE
overrideSupportedFeatures	string		O	
pcf_diamidentity	string		O	This is the PCF diameter identity used by the PCF to register Binding data to BSF. Diameter based AF may use this diameter identity to communicate with PCF on Rx reference point. <b>Default Value:</b> pcf-sm-service
pcf_diamrealm	string		O	This is the PCF diameter realm used by the PCF to register Binding data to BSF. Diameter based AF may use this diameter realm to communicate with PCF on Rx reference point. <b>Default Value:</b> pcf-sm-service.svc

Table 2-100 (Cont.) System Configuration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)ai nts	Description
pcf_fqdn	string		O	This is the PCF FQDN used by the PCF to register Binding data to BSF. AF may use this FQDN to communicate with PCF on N5 reference point. <b>Default Value:</b> pcf-smservice.pcf
process400as200	boolean		O	
smfTerminateUriSegment	string example: terminate		O	
smfUpdateUriSegment	string example: update		O	
snssai	string		O	This is the PCF SNSSAI used by the PCF to register Binding data to BSF. AF/BSF may use this SNSSAI to discover proper PCF. <b>Format:</b> sst,sd. <b>Default Value:</b> 0,000000

**Table 2-101 TrafficControlConfiguration**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
tcDataIdPrefix	string		O	This is the prefix of traffic control data id used by PCF to generate tc data id. For example, prefix is "tcdata_", the generated tc data id is tcdata_0, tcdata_1, etc. <b>Default Value:</b> tcdata_

**Table 2-102 UserConfiguration**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
enableChfQueryAll	boolean		O	
ignoreSubsNotificationCheck	boolean		O	
queryUser	boolean		O	Determines if user query from UDR is enabled. <b>Default Value:</b> TRUE
queryUserOnDelete	boolean		O	Determines if user query from UDR on delete is enabled. <b>Default Value:</b> FALSE
queryUserOnReauth	boolean		O	Determines if user query from UDR on reauth is enabled. <b>Default Value:</b> FALSE
queryUserOnUpdate	boolean		O	Determines if user query from UDR on update is enabled. <b>Default Value:</b> FALSE

Table 2-102 (Cont.) UserConfiguration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
subsToNotifyEnabled	boolean		O	Determines if subscribe to notify about subscriber data change is enabled. <b>Default Value:</b> TRUE
validateUser	boolean		O	Determines if user validate is enabled. HTTP 400 with cause <b>USER_UNKNO WN</b> returns, if this is enabled and user not found in UDR. <b>Default Value:</b> FALSE

*Resource Name: UE Policy Service*

Table 2-103 Supported REST APIs - UE Policy Service

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
UE Policy Service	/ocpm/pcf/v1/configuration/service/ue	GET	Get UE Policy Service	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Table 2-103 (Cont.) Supported REST APIs - UE Policy Service**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
	/ocpm/pcf/v1/configuration/service/ue	PUT	Update UE Policy Service	200: Updated 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout

**Resource Standard Methods****GET and PUT - Get and update UE Policy Service****Table 2-104 Data structures supported by the GET and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditional(C)aints	Cardinality	Description
amf	AMFConfiguration		O		
system	UEPolicyServiceSystemConfiguration		O		
user	UserUEPolicyServiceConfiguration		O		

**Table 2-105 AMFConfiguration**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
enableHttp11Client	boolean		O	
naSMMsgTransferMaxSize	integer (\$int32)		O	

**Table 2-106 UEPolicyServiceSystemConfiguration**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
loglevel	String, ENUM	DEBUG, INFO, WARN, ERROR	O	Indicates the log level of PCF Session Management (SM) service. Default Value: <b>WARN</b>
notifUriRoot	string		O	

**Table 2-107 UserUEPolicyServiceConfiguration**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
queryUser	boolean		O	Determines if user query from UDR is enabled. <b>Default Value:</b> TRUE
validateUser	boolean		O	Determines if user validate is enabled. HTTP 400 with cause <b>USER_UNKNOW</b> returns, if this is enabled and user not found in UDR. <b>Default Value:</b> FALSE

**Resource Name: User Service****Table 2-108 Supported REST APIs - User Service**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
User Service	/ocpm/pcf/v1/configuration/service/user	GET	Get User Service	200: OK 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable
	/ocpm/pcf/v1/configuration/service/user	PUT	Update User Service	200: Updated 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 406: Not Acceptable 408: Request Timeout 409: Conflict 412: Precondition Failed 500: Internal Server Error 503: Service Unavailable 504: Gateway Timeout

**Resource Standard Methods**  
**GET and PUT - Get and update User Service**



**Table 2-109 Data structures supported by the GET and PUT Response Body**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O) / Conditiona I(C)aints	Cardinality	Description
common	CommonCo nfiguration		O		
db	DBConfigura tion		O		
system	UserSystem Configuratio n		O		
udr	UDRConfigu ration		O		

**Table 2-110 CommonConfiguration**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
requestTimeout	string example: 1000		O	
resourceGetSub	boolean		O	

**Table 2-111 DBConfiguration**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
indexing	Indexing		O	
keysPrecedence	ENUM	MSISDN, IMSI, NAI, EXTID	O	
userIndexKeys	ENUM	msisdn, imsi, nai, extid	O	

**Table 2-112 Indexing**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
indexByExtid	boolean		O	
indexByImsi	boolean		O	
indexByMsisdn	boolean		O	
indexByNai	boolean		O	

Table 2-113 UserSystemConfiguration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
apiRoot	string		O	This is PCF User Service API Root URI. It is part of PCF user service. This value is auto injected at service deployment. User can also configure this manually. <b>Default Value:</b> N/A
logLevel	string, ENUM	DEBUG, INFO, WARN, ERROR	O	Indicates the log level of PCF Session Management (SM) service. <b>Default Value:</b> <b>WARN</b>

Table 2-114 UDRConfiguration

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
amDataUri	string example: /policy-data/ues/{ueld}/am-data		O	
baseUri	string example: /nudr-dr/v1		O	
enableDiscoveryOnDemand	boolean		O	
enableHttp11	boolean		O	
explodeSnssai	boolean		O	
requestTimeout	string example: 1000		O	
smDataUri	string example: /policy-data/ues/{ueld}/sm-data		O	

**Table 2-114 (Cont.) UDRConfiguration**

Field Name	Data Type	Constraints	Mandatory(M)/ Optional(O)/ Conditional(C)	Description
subsToNotifySubsldUri	string example: /policy-data/subs-to-notify/{subsld}		O	
subsToNotifyUri	string example: /policy-data/subs-to-notify		O	
supportedFeatures	string example: f		O	
uePolicySetUri	string example: /policy-data/ues/{ueId}/ue-policy-set		O	
usageMonUri	string example: /policy-data/ues/{ueId}/sm-data/{usageMonId}		O	

**Resource Name: Policy Management**

**Table 2-115 Supported REST APIs - Policy Management**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Policy Management	/ocpm/policymanagement/v1/policyprojects	POST	Import policy projects	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

Table 2-115 (Cont.) Supported REST APIs - Policy Management

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Policy Management	/ocpm/ policymanagement/v1/ policyprojects	GET	Export Policy Projects	400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable
Policy Management	/ocpm/ policymanagement/v1/ policyprojects	DELETE	Delete policy projects	200: Resource deleted successfully 204: No Content 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable
Policy Management	/ocpm/ policymanagement/v1/ policyprojects/report	POST	Create policy report	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Table 2-115 (Cont.) Supported REST APIs - Policy Management**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Policy Management	/ocpm/ policymanagement/v1/ policyprojects/ {policyProjectName}	GET	Export policy projects	400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable
Policy Management	/ocpm/ policymanagement/v1/ policyprojects/ {policyProjectName}	DELETE	Delete policy project	200: Resource deleted successfully 204: No Content 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods****POST, GET - Create, Import, and Export policy projects****Table 2-116 Data structures supported by the POST, GET Response Body**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Cardinality	Description
description	string	O	1	Specifies the description of a policy project.
name	String	O	1	Specifies the name of a policy project.
policy	array	O	1	
serviceType	String	O	1	Specifies the supported service type.

**DELETE - delete policy project**

**Table 2-117 Data structures supported by the DELETE Response Body**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Cardinality	Description
policyProjectName	string	M	1	Policy Project Name

**Resource Name:** Policy Table

**Table 2-118 Supported REST APIs - Policy Table**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Policy Table	/ocpm/ policymanagement/v1/ policytables	POST	Import policy tables	200: OK 201: Created 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 405: Method Not Allowed 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable
Policy Table	/ocpm/ policymanagement/v1/ policytables/ {serviceName}	DELETE	Delete Policy Table	400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Table 2-118 (Cont.) Supported REST APIs - Policy Table**

Resource Name	Resource URI	HTTP Method or Custom Operation	Description	Possible Result Code
Policy Table	/ocpm/ policymanagement/v1/ policytables/ {serviceName}/ {policyTableName}	DELETE	Delete policy project	200: Resource deleted successfully 204: No Content 400: Bad request 401: Unauthorized 403: Forbidden 404: Not Found 429: Too Many Requests 500: Internal Server Error 503: Service Unavailable

**Resource Standard Methods****POST, GET - Import and Export policy tables****Table 2-119 Data structures supported by the POST, GET Response Body**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Cardinality	Description
columns	array	O	1	Specifies the column of a policy table.
name	String	O	1	Specifies the name of a policy table.
description	name	O	1	Specifies the description of a policy table.
rows	array	O	1	Specifies the rows of a policy table.

**DELETE - delete policy table****Table 2-120 Data structures supported by the DELETE Response Body**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Cardinality	Description
policyTableName	string	M	1	Policy Table Name

**Table 2-120 (Cont.) Data structures supported by the DELETE Response Body**

Field Name	Data Type	Mandatory(M)/ Optional(O)/ Conditional(C)	Cardinality	Description
serviceName	string	M		Service Name



# A

## REST API Specification

This appendix provides a sample of REST API specification in PCF.

```
swagger: '2.0'
info:
  description: 'The restAPI to update/get/delete/create OCPM Configuration'
  version: 1.0.0
  title: OCPM Configurations
  contact:
    email: xxxxxx@oracle.com
  license:
    name: Oracle
    url: 'http://www.oracle.com'
host: 'localhost:8443'
basePath: /
tags:
  - name: datasource-api-controller
    description: the datasource API
  - name: diameter-api-controller
    description: the diameter API
  - name: global-api-controller
    description: the global API
  - name: policy-api-controller
    description: the policy API
  - name: policy-management-api-controller
    description: the policyManagement API
  - name: policy-table-api-controller
    description: the policyTable API
  - name: service-api-controller
    description: the service API
paths:
  /ocpm/common/v1/configuration/datasources:
    post:
      tags:
        - Data Sources
      summary: Create Data Sources
      operationId: createDataSource
      consumes:
        - application/json
      produces:
        - application/json
      parameters:
        - in: body
          name: body
          description: body
          required: true
          schema:
```

```

        $ref: '#/definitions/DataSources'
responses:
  '200':
    description: OK
    schema:
      $ref: '#/definitions/DataSources'
  '201':
    description: Created
    schema:
      $ref: '#/definitions/DataSources'
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '405':
    description: Method Not Allowed
  '406':
    description: Not Acceptable
  '408':
    description: Request Timeout
  '409':
    description: Conflict
  '412':
    description: Precondition Failed
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
  '504':
    description: Gateway Timeout
  deprecated: false
'/ocpm/common/v1/configuration/datasources/{datasourceName}':
  get:
    tags:
      - Data Sources
    summary: Get Data Source
    operationId: getDataSource
    produces:
      - application/json
    parameters:
      - name: datasourceName
        in: path
        description: Data Source Name
        required: true
        type: string
    responses:
      '200':
        description: OK.Data Source is returned
        schema:
          $ref: '#/definitions/DataSources'
      '400':

```

```

        description: Bad request
    '401':
        description: Unauthorized
    '403':
        description: Forbidden
    '404':
        description: Not Found
    '429':
        description: Too Many Requests
    '500':
        description: Internal Server Error
    '503':
        description: Service Unavailable
    deprecated: false
  put:
    tags:
      - Data Sources
    summary: Update Data Source
    operationId: updateDataSource
    consumes:
      - application/json
    produces:
      - application/json
    parameters:
      - in: body
        name: body
        description: body
        required: true
        schema:
          $ref: '#/definitions/DataSources'
      - name: datasourceName
        in: path
        description: Data Source Name
        required: true
        type: string
    responses:
      '200':
        description: Updated Data Source
        schema:
          $ref: '#/definitions/DataSources'
      '201':
        description: Created
        schema:
          $ref: '#/definitions/DataSources'
      '400':
        description: Bad request
      '401':
        description: Unauthorized
      '403':
        description: Forbidden
      '404':
        description: Not Found
      '405':
        description: Method Not Allowed
      '406':

```

```

        description: Not Acceptable
    '408':
        description: Request Timeout
    '409':
        description: Conflict
    '412':
        description: Precondition Failed
    '500':
        description: Internal Server Error
    '503':
        description: Service Unavailable
    '504':
        description: Gateway Timeout
    deprecated: false
delete:
    tags:
        - Data Sources
    summary: Delete Data Source
    operationId: deleteDataSource
    produces:
        - '*/*'
    parameters:
        - name: datasourceName
          in: path
          description: Data Source Name
          required: true
          type: string
    responses:
        '200':
            description: OK
        '204':
            description: Data Source was succesfully deleted
        '400':
            description: Bad request
        '401':
            description: Unauthorized
        '403':
            description: Forbidden
        '404':
            description: Not Found
        '429':
            description: Too Many Requests
        '500':
            description: Internal Server Error
        '503':
            description: Service Unavailable
    deprecated: false
/ocpm/common/v1/configuration/diameter/peernodes:
post:
    tags:
        - Peer Node
    summary: Create Peer Node
    operationId: createPeerNode
    consumes:
        - application/json

```

```

produces:
  - application/json
parameters:
  - in: body
    name: body
    description: body
    required: true
    schema:
      $ref: '#/definitions/PeerNode'
responses:
  '200':
    description: OK
    schema:
      $ref: '#/definitions/PeerNode'
  '201':
    description: Created
    schema:
      $ref: '#/definitions/PeerNode'
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '405':
    description: Method Not Allowed
  '406':
    description: Not Acceptable
  '408':
    description: Request Timeout
  '409':
    description: Conflict
  '412':
    description: Precondition Failed
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
  '504':
    description: Gateway Timeout
deprecated: false
'/ocpm/common/v1/configuration/diameter/peernodes/{peernodeName}':
get:
  tags:
    - Peer Node
  summary: Get Peer Node
  operationId: getPeerNode
  produces:
    - application/json
  parameters:
    - name: peernodeName
      in: path
      description: Peer Node Name

```

```
        required: true
        type: string
responses:
  '200':
    description: OK.Peer Node is returned
    schema:
      $ref: '#/definitions/PeerNode'
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '429':
    description: Too Many Requests
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
deprecated: false
put:
  tags:
    - Peer Node
  summary: Update Peer Node
  operationId: updatePeerNode
  consumes:
    - application/json
  produces:
    - application/json
  parameters:
    - in: body
      name: body
      description: body
      required: true
      schema:
        $ref: '#/definitions/PeerNode'
    - name: peernodeName
      in: path
      description: Peer Node Name
      required: true
      type: string
  responses:
    '200':
      description: Updated Peer Node
      schema:
        $ref: '#/definitions/PeerNode'
    '201':
      description: Created
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
```

```

        description: Forbidden
    '404':
        description: Not Found
    '405':
        description: Method Not Allowed
    '406':
        description: Not Acceptable
    '408':
        description: Request Timeout
    '409':
        description: Conflict
    '412':
        description: Precondition Failed
    '500':
        description: Internal Server Error
    '503':
        description: Service Unavailable
    '504':
        description: Gateway Timeout
    deprecated: false
delete:
tags:
  - Peer Node
summary: Delete Peer Node
operationId: deletePeerNode
produces:
  - '*/*'
parameters:
  - name: peernodeName
    in: path
    description: Peer Node Name
    required: true
    type: string
responses:
  '200':
    description: OK
  '204':
    description: Peer Node was succesfully deleted
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '429':
    description: Too Many Requests
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
    deprecated: false
/ocpm/common/v1/configuration/diameter/settings:
get:

```

```

tags:
  - Diameter Settings
summary: Get Diameter Settings
operationId: getDiamSettings
produces:
  - application/json
responses:
  '200':
    description: OK.Diameter Settings are returned
    schema:
      $ref: '#/definitions/DiamSettings'
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '429':
    description: Too Many Requests
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
deprecated: false
put:
tags:
  - Diameter Settings
summary: Update Diameter Settings
operationId: updateDiamSettings
consumes:
  - application/json
produces:
  - application/json
parameters:
  - in: body
    name: body
    description: body
    required: true
    schema:
      $ref: '#/definitions/DiamSettings'
responses:
  '200':
    description: Updated.
    schema:
      $ref: '#/definitions/DiamSettings'
  '201':
    description: Created
    schema:
      $ref: '#/definitions/DiamSettings'
  '400':
    description: Bad request
  '401':
    description: Unauthorized

```



```

    '403':
      description: Forbidden
    '404':
      description: Not Found
    '405':
      description: Method Not Allowed
    '406':
      description: Not Acceptable
    '408':
      description: Request Timeout
    '409':
      description: Conflict
    '412':
      description: Precondition Failed
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
    '504':
      description: Gateway Timeout
  deprecated: false
/ocpm/pcf/v1/configuration/global:
  get:
    tags:
      - Global Configurations
    summary: Get Individual Global Configuration
    operationId: getGlobalConfiguration
    produces:
      - application/json
    responses:
      '200':
        description: OK.Global configuration is returned
        schema:
          $ref: '#/definitions/PCFGlobalConfigurations'
      '400':
        description: Bad request
      '401':
        description: Unauthorized
      '403':
        description: Forbidden
      '404':
        description: Not Found
      '429':
        description: Too Many Requests
      '500':
        description: Internal Server Error
      '503':
        description: Service Unavailable
  deprecated: false
  put:
    tags:
      - Global Configurations
    summary: Update Global Configuration.
    operationId: updateGlobalConfiguration
    consumes:

```

```

    - application/json
  produces:
    - application/json
  parameters:
    - in: body
      name: body
      description: body
      required: true
      schema:
        $ref: '#/definitions/PCFGlobalConfigurations'
  responses:
    '200':
      description: Ok
      schema:
        $ref: '#/definitions/PCFGlobalConfigurations'
    '201':
      description: Created
      schema:
        $ref: '#/definitions/PCFGlobalConfigurations'
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '405':
      description: Method Not Allowed
    '406':
      description: Not Acceptable
    '408':
      description: Request Timeout
    '409':
      description: Conflict
    '412':
      description: Precondition Failed
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
    '504':
      description: Gateway Timeout
  deprecated: false
/ocpm/pcf/v1/configuration/policy/am/servicearearestrictions:
  post:
    tags:
      - Service Area Restriction
    summary: Create Service Area Restriction
    operationId: createServiceAreaRestriction
    consumes:
      - application/json
    produces:
      - application/json
    parameters:

```

```

    - in: body
      name: body
      description: body
      required: true
      schema:
        $ref: '#/definitions/ServiceAreaRestriction'
  responses:
    '200':
      description: OK. Resource representation is returned
      schema:
        $ref: '#/definitions/ServiceAreaRestriction'
    '201':
      description: Created
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '429':
      description: Too Many Requests
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
  deprecated: false
  '/ocpm/pcf/v1/configuration/policy/am/servicearearestrictions/{serviceAreaRestrictionName}':
    get:
      tags:
        - Service Area Restriction
      summary: Get Service Area Restriction
      operationId: getServiceAreaRestriction
      produces:
        - application/json
      parameters:
        - name: serviceAreaRestrictionName
          in: path
          description: Service Area Restriction Name
          required: true
          type: string
      responses:
        '200':
          description: Resource fetched successfully
          schema:
            $ref: '#/definitions/ServiceAreaRestriction'
        '400':
          description: Bad request
        '401':
          description: Unauthorized
        '403':
          description: Forbidden
        '404':

```

```

        description: Not Found
    '429':
        description: Too Many Requests
    '500':
        description: Internal Server Error
    '503':
        description: Service Unavailable
    deprecated: false
  put:
    tags:
      - Service Area Restriction
    summary: Update Service Area Restriction
    operationId: updateServiceAreaRestriction
    consumes:
      - application/json
    produces:
      - application/json
    parameters:
      - in: body
        name: body
        description: body
        required: true
        schema:
          $ref: '#/definitions/ServiceAreaRestriction'
      - name: serviceAreaRestrictionName
        in: path
        description: Service Area Restriction Name
        required: true
        type: string
    responses:
      '200':
        description: OK. Resource representation is returned
        schema:
          $ref: '#/definitions/ServiceAreaRestriction'
      '201':
        description: Created
      '400':
        description: Bad request
      '401':
        description: Unauthorized
      '403':
        description: Forbidden
      '404':
        description: Not Found
      '429':
        description: Too Many Requests
      '500':
        description: Internal Server Error
      '503':
        description: Service Unavailable
    deprecated: false
  delete:
    tags:
      - Service Area Restriction
    summary: Delete Service Area Restriction

```

```

operationId: deleteServiceAreaRestriction
produces:
  - '*/*'
parameters:
  - name: serviceAreaRestrictionName
    in: path
    description: Service Area Restriction Name
    required: true
    type: string
responses:
  '200':
    description: Resource deleted successfully
  '204':
    description: No Content
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '429':
    description: Too Many Requests
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
deprecated: false
/ocpm/pcf/v1/configuration/policy/common/pras:
post:
  tags:
    - Presence Reporting Area
  summary: Create Presence Reporting Area
  operationId: createPresenceReportingArea
  consumes:
    - application/json
  produces:
    - application/json
  parameters:
    - in: body
      name: body
      description: body
      required: true
      schema:
        $ref: '#/definitions/PresenceReportingArea'
  responses:
    '200':
      description: OK
      schema:
        $ref: '#/definitions/PresenceReportingArea'
    '201':
      description: Created
      schema:
        $ref: '#/definitions/PresenceReportingArea'

```

```

    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '405':
      description: Method Not Allowed
    '406':
      description: Not Acceptable
    '408':
      description: Request Timeout
    '409':
      description: Conflict
    '412':
      description: Precondition Failed
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
    '504':
      description: Gateway Timeout
  deprecated: false
  '/ocpm/pcf/v1/configuration/policy/common/pras/{presenceReportingAreaName}':
    get:
      tags:
        - Presence Reporting Area
      summary: Get Presence Reporting Area
      operationId: getPresenceReportingArea
      produces:
        - application/json
      parameters:
        - name: presenceReportingAreaName
          in: path
          description: Presence Reporting Area Name
          required: true
          type: string
      responses:
        '200':
          description: OK. Presence Reporting Area is returned
          schema:
            $ref: '#/definitions/PresenceReportingArea'
        '400':
          description: Bad request
        '401':
          description: Unauthorized
        '403':
          description: Forbidden
        '404':
          description: Not Found
        '429':
          description: Too Many Requests

```

```
'500':
  description: Internal Server Error
'503':
  description: Service Unavailable
deprecated: false
put:
  tags:
    - Presence Reporting Area
  summary: Update Presence Reporting Area
  operationId: updatePresenceReportingArea
  consumes:
    - application/json
  produces:
    - application/json
  parameters:
    - in: body
      name: body
      description: body
      required: true
      schema:
        $ref: '#/definitions/PresenceReportingArea'
    - name: presenceReportingAreaName
      in: path
      description: Presence Reporting Area Name
      required: true
      type: string
  responses:
    '200':
      description: OK
      schema:
        $ref: '#/definitions/PresenceReportingArea'
    '201':
      description: Updated
      schema:
        $ref: '#/definitions/PresenceReportingArea'
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '405':
      description: Method Not Allowed
    '406':
      description: Not Acceptable
    '408':
      description: Request Timeout
    '409':
      description: Conflict
    '412':
      description: Precondition Failed
    '500':
      description: Internal Server Error
```

```

    '503':
      description: Service Unavailable
    '504':
      description: Gateway Timeout
  deprecated: false
delete:
  tags:
    - Presence Reporting Area
  summary: Delete Presence Reporting Area
  operationId: deletePresenceReportingArea
  produces:
    - '*'
  parameters:
    - name: presenceReportingAreaName
      in: path
      description: Presence Reporting Area Name
      required: true
      type: string
  responses:
    '200':
      description: OK
    '204':
      description: No Content. Presence Reporting Area was successfully
deleted
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '429':
      description: Too Many Requests
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
  deprecated: false
/ocpm/pcf/v1/configuration/policy/smpolicy/chargingdata:
post:
  tags:
    - Charging Data
  summary: Create Charging Data
  operationId: createChargingData
  consumes:
    - application/json
  produces:
    - application/json
  parameters:
    - in: body
      name: body
      description: body
      required: true
      schema:

```



```

        $ref: '#/definitions/ChargingData'
responses:
  '200':
    description: OK
    schema:
      $ref: '#/definitions/ChargingData'
  '201':
    description: Created
    schema:
      $ref: '#/definitions/ChargingData'
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '405':
    description: Method Not Allowed
  '406':
    description: Not Acceptable
  '408':
    description: Request Timeout
  '409':
    description: Conflict
  '412':
    description: Precondition Failed
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
  '504':
    description: Gateway Timeout
  deprecated: false
'/ocpm/pcf/v1/configuration/policy/smpolicy/chargingdata/{chargingDataName}':
  get:
    tags:
      - Charging Data
    summary: Get Charging Data
    operationId: getChargingData
    produces:
      - application/json
    parameters:
      - name: chargingDataName
        in: path
        description: Charging Data Name
        required: true
        type: string
    responses:
      '200':
        description: OK.Charging Data is returned
        schema:
          $ref: '#/definitions/ChargingData'

```

```
'400':
  description: Bad request
'401':
  description: Unauthorized
'403':
  description: Forbidden
'404':
  description: Not Found
'429':
  description: Too Many Requests
'500':
  description: Internal Server Error
'503':
  description: Service Unavailable
deprecated: false
put:
  tags:
    - Charging Data
  summary: Update Charging Data
  operationId: updateChargingData
  consumes:
    - application/json
  produces:
    - application/json
  parameters:
    - in: body
      name: body
      description: body
      required: true
      schema:
        $ref: '#/definitions/ChargingData'
    - name: chargingDataName
      in: path
      description: Charging Data Name
      required: true
      type: string
  responses:
    '200':
      description: Update Charging Data
      schema:
        $ref: '#/definitions/ChargingData'
    '201':
      description: Created
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '405':
      description: Method Not Allowed
    '406':
      description: Not Acceptable
```

```

    '408':
      description: Request Timeout
    '409':
      description: Conflict
    '412':
      description: Precondition Failed
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
    '504':
      description: Gateway Timeout
  deprecated: false
delete:
  tags:
    - Charging Data
  summary: Delete Charging Data
  operationId: deleteChargingData
  produces:
    - '*'
  parameters:
    - name: chargingDataName
      in: path
      description: Charging Data Name
      required: true
      type: string
  responses:
    '200':
      description: OK
    '204':
      description: Charging Data was succesfully deleted
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '429':
      description: Too Many Requests
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
  deprecated: false
/ocpm/pcf/v1/configuration/policy/smpolicy/conditiondata:
post:
  tags:
    - Condition Data
  summary: Create Condition Data
  operationId: createConditionData
  consumes:
    - application/json
  produces:

```

```

    - application/json
  parameters:
    - in: body
      name: body
      description: body
      required: true
      schema:
        $ref: '#/definitions/ConditionData'
  responses:
    '200':
      description: OK
      schema:
        $ref: '#/definitions/ConditionData'
    '201':
      description: Created
      schema:
        $ref: '#/definitions/ConditionData'
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '405':
      description: Method Not Allowed
    '406':
      description: Not Acceptable
    '408':
      description: Request Timeout
    '409':
      description: Conflict
    '412':
      description: Precondition Failed
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
    '504':
      description: Gateway Timeout
  deprecated: false
  '/ocpm/pcf/v1/configuration/policy/smpolicy/conditiondata/{conditionDataName}':
    get:
      tags:
        - Condition Data
      summary: Get Condition Data
      operationId: getConditionData
      produces:
        - application/json
      parameters:
        - name: conditionDataName
          in: path
          description: Condition Data Name

```

```
        required: true
        type: string
responses:
  '200':
    description: OK.Condition Data is returned
    schema:
      $ref: '#/definitions/ConditionData'
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '429':
    description: Too Many Requests
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
deprecated: false
put:
  tags:
    - Condition Data
  summary: Update Condition Data
  operationId: updateConditionData
  consumes:
    - application/json
  produces:
    - application/json
  parameters:
    - in: body
      name: body
      description: body
      required: true
      schema:
        $ref: '#/definitions/ConditionData'
    - name: conditionDataName
      in: path
      description: Condition Data Name
      required: true
      type: string
  responses:
    '200':
      description: Updated Condition Data
      schema:
        $ref: '#/definitions/ConditionData'
    '201':
      description: Created
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
```

```

        description: Forbidden
    '404':
        description: Not Found
    '405':
        description: Method Not Allowed
    '406':
        description: Not Acceptable
    '408':
        description: Request Timeout
    '409':
        description: Conflict
    '412':
        description: Precondition Failed
    '500':
        description: Internal Server Error
    '503':
        description: Service Unavailable
    '504':
        description: Gateway Timeout
    deprecated: false
delete:
    tags:
        - Condition Data
    summary: Delete Condition Data
    operationId: deleteConditionData
    produces:
        - '*/*'
    parameters:
        - name: conditionDataName
          in: path
          description: Condition Data Name
          required: true
          type: string
    responses:
        '200':
            description: OK
        '204':
            description: Condition Data was succesfully deleted
        '400':
            description: Bad request
        '401':
            description: Unauthorized
        '403':
            description: Forbidden
        '404':
            description: Not Found
        '429':
            description: Too Many Requests
        '500':
            description: Internal Server Error
        '503':
            description: Service Unavailable
    deprecated: false
/ocpm/pcf/v1/configuration/policy/smpolicy/pccruleprofiles:
    post:

```

```

tags:
  - PCC Rule Profile
summary: Create PCC Rule Profile
operationId: createPccRuleProfile
consumes:
  - application/json
produces:
  - application/json
parameters:
  - in: body
    name: body
    description: body
    required: true
    schema:
      $ref: '#/definitions/PccRuleProfile'
responses:
  '200':
    description: OK
    schema:
      $ref: '#/definitions/PccRuleProfile'
  '201':
    description: Created
    schema:
      $ref: '#/definitions/PccRuleProfile'
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '405':
    description: Method Not Allowed
  '406':
    description: Not Acceptable
  '408':
    description: Request Timeout
  '409':
    description: Conflict
  '412':
    description: Precondition Failed
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
  '504':
    description: Gateway Timeout
deprecated: false
'/ocpm/pcf/v1/configuration/policy/smpolicy/pccruleprofiles/
{pccRuleProfileName}':
get:
  tags:
    - PCC Rule Profile
  summary: Get PCC Rule Profile

```

```

operationId: getPccRuleProfile
produces:
  - application/json
parameters:
  - name: pccRuleProfileName
    in: path
    description: PCC Rule Profile Name
    required: true
    type: string
responses:
  '200':
    description: OK.PCC Rule Profile is returned
    schema:
      $ref: '#/definitions/PccRuleProfile'
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '429':
    description: Too Many Requests
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
deprecated: false
put:
  tags:
    - PCC Rule Profile
  summary: Update Pcc Rule Profile
  operationId: updatePccRuleProfile
  consumes:
    - application/json
  produces:
    - application/json
  parameters:
    - in: body
      name: body
      description: body
      required: true
      schema:
        $ref: '#/definitions/PccRuleProfile'
    - name: pccRuleProfileName
      in: path
      description: PCC Rule Profile Name
      required: true
      type: string
  responses:
    '200':
      description: Updated PCC Rule Profile
      schema:
        $ref: '#/definitions/PccRuleProfile'

```



```

'201':
  description: Created
'400':
  description: Bad request
'401':
  description: Unauthorized
'403':
  description: Forbidden
'404':
  description: Not Found
'405':
  description: Method Not Allowed
'406':
  description: Not Acceptable
'408':
  description: Request Timeout
'409':
  description: Conflict
'412':
  description: Precondition Failed
'500':
  description: Internal Server Error
'503':
  description: Service Unavailable
'504':
  description: Gateway Timeout
deprecated: false
delete:
  tags:
    - PCC Rule Profile
  summary: Delete PCC Rule Profile
  operationId: deletePCCRuleProfile
  produces:
    - '*/*'
  parameters:
    - name: pccRuleProfileName
      in: path
      description: PCC Rule Profile Name
      required: true
      type: string
  responses:
    '200':
      description: OK
    '204':
      description: PCC Rule Profile was succesfully deleted
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '429':
      description: Too Many Requests

```

```
'500':
  description: Internal Server Error
'503':
  description: Service Unavailable
deprecated: false
/ocpm/pcf/v1/configuration/policy/smpolicy/pccrules:
post:
  tags:
    - PCC Rule
  summary: Create PCC Rule
  operationId: createPccRule
  consumes:
    - application/json
  produces:
    - application/json
  parameters:
    - in: body
      name: body
      description: body
      required: true
      schema:
        $ref: '#/definitions/PccRule'
  responses:
    '200':
      description: OK
      schema:
        $ref: '#/definitions/PccRule'
    '201':
      description: Created
      schema:
        $ref: '#/definitions/PccRule'
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '405':
      description: Method Not Allowed
    '406':
      description: Not Acceptable
    '408':
      description: Request Timeout
    '409':
      description: Conflict
    '412':
      description: Precondition Failed
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
    '504':
      description: Gateway Timeout
```

```

    deprecated: false
  '/ocpm/pcf/v1/configuration/policy/smpolicy/pccrules/{pccRuleName}':
    get:
      tags:
        - PCC Rule
      summary: Get PCC Rule
      operationId: getPCCRule
      produces:
        - application/json
      parameters:
        - name: pccRuleName
          in: path
          description: PCC Rule Name
          required: true
          type: string
      responses:
        '200':
          description: OK.PCC Rule is returned
          schema:
            $ref: '#/definitions/PccRule'
        '400':
          description: Bad request
        '401':
          description: Unauthorized
        '403':
          description: Forbidden
        '404':
          description: Not Found
        '429':
          description: Too Many Requests
        '500':
          description: Internal Server Error
        '503':
          description: Service Unavailable
      deprecated: false
    put:
      tags:
        - PCC Rule
      summary: Update PCC Rule
      operationId: updatePCCRule
      consumes:
        - application/json
      produces:
        - application/json
      parameters:
        - in: body
          name: body
          description: body
          required: true
          schema:
            $ref: '#/definitions/PccRule'
        - name: pccRuleName
          in: path
          description: PCC Rule Name
          required: true

```

```

    type: string
  responses:
    '200':
      description: Updated PCC Rule
      schema:
        $ref: '#/definitions/PccRule'
    '201':
      description: Created
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '405':
      description: Method Not Allowed
    '406':
      description: Not Acceptable
    '408':
      description: Request Timeout
    '409':
      description: Conflict
    '412':
      description: Precondition Failed
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
    '504':
      description: Gateway Timeout
  deprecated: false
  delete:
    tags:
      - PCC Rule
    summary: Delete PCC Rule
    operationId: deletePCCRule
    produces:
      - '*/*'
    parameters:
      - name: pccRuleName
        in: path
        description: PCC Rule Name
        required: true
        type: string
    responses:
      '200':
        description: OK
      '204':
        description: PCC Rule was succesfully deleted
      '400':
        description: Bad request
      '401':
        description: Unauthorized

```

```

    '403':
      description: Forbidden
    '404':
      description: Not Found
    '429':
      description: Too Many Requests
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
  deprecated: false
/ocpm/pcf/v1/configuration/policy/smpolicy/policycounterids:
post:
  tags:
    - Policy Counter Id
  summary: Create Policy Counter Id
  operationId: createPolicyCounterId
  consumes:
    - application/json
  produces:
    - application/json
  parameters:
    - in: body
      name: body
      description: body
      required: true
      schema:
        $ref: '#/definitions/PolicyCounterId'
  responses:
    '200':
      description: OK
      schema:
        $ref: '#/definitions/PolicyCounterId'
    '201':
      description: Created
      schema:
        $ref: '#/definitions/PolicyCounterId'
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '405':
      description: Method Not Allowed
    '406':
      description: Not Acceptable
    '408':
      description: Request Timeout
    '409':
      description: Conflict
    '412':
      description: Precondition Failed

```

```

    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
    '504':
      description: Gateway Timeout
  deprecated: false
  '/ocpm/pcf/v1/configuration/policy/smpolicy/policycounterids/
  {policyCounterIdName}':
    get:
      tags:
        - Policy Counter Id
      summary: Get Policy Counter Id
      operationId: getPolicyCounterId
      produces:
        - application/json
      parameters:
        - name: policyCounterIdName
          in: path
          description: Policy Counter Id's Name
          required: true
          type: string
      responses:
        '200':
          description: OK.Policy Counter Id is returned
          schema:
            $ref: '#/definitions/PolicyCounterId'
        '400':
          description: Bad request
        '401':
          description: Unauthorized
        '403':
          description: Forbidden
        '404':
          description: Not Found
        '429':
          description: Too Many Requests
        '500':
          description: Internal Server Error
        '503':
          description: Service Unavailable
      deprecated: false
    put:
      tags:
        - Policy Counter Id
      summary: Update Policy Counter Id
      operationId: updatePolicyCounterId
      consumes:
        - application/json
      produces:
        - application/json
      parameters:
        - in: body
          name: body
          description: body

```

```

        required: true
        schema:
          $ref: '#/definitions/PolicyCounterId'
    - name: policyCounterIdName
      in: path
      description: Policy Counter Id Name
      required: true
      type: string
  responses:
    '200':
      description: Updated Policy Counter Id
      schema:
        $ref: '#/definitions/PolicyCounterId'
    '201':
      description: Created
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '405':
      description: Method Not Allowed
    '406':
      description: Not Acceptable
    '408':
      description: Request Timeout
    '409':
      description: Conflict
    '412':
      description: Precondition Failed
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
    '504':
      description: Gateway Timeout
  deprecated: false
delete:
  tags:
    - Policy Counter Id
  summary: Delete Policy Counter Id
  operationId: deletePolicyCounterId
  produces:
    - '*/*'
  parameters:
    - name: policyCounterIdName
      in: path
      description: Policy Counter Id's Name
      required: true
      type: string
  responses:
    '200':

```

```

        description: OK
    '204':
        description: Policy Counter Id was succesfully deleted
    '400':
        description: Bad request
    '401':
        description: Unauthorized
    '403':
        description: Forbidden
    '404':
        description: Not Found
    '429':
        description: Too Many Requests
    '500':
        description: Internal Server Error
    '503':
        description: Service Unavailable
    deprecated: false
/ocpm/pcf/v1/configuration/policy/smpolicy/qosdata:
post:
    tags:
        - Qos Data
    summary: Create Qos Data
    operationId: createQosData
    consumes:
        - application/json
    produces:
        - application/json
    parameters:
        - in: body
          name: body
          description: body
          required: true
          schema:
              $ref: '#/definitions/QosData'
    responses:
        '200':
            description: OK
            schema:
                $ref: '#/definitions/QosData'
        '201':
            description: Created
            schema:
                $ref: '#/definitions/QosData'
        '400':
            description: Bad request
        '401':
            description: Unauthorized
        '403':
            description: Forbidden
        '404':
            description: Not Found
        '405':
            description: Method Not Allowed
        '406':

```



```

        description: Not Acceptable
    '408':
        description: Request Timeout
    '409':
        description: Conflict
    '412':
        description: Precondition Failed
    '500':
        description: Internal Server Error
    '503':
        description: Service Unavailable
    '504':
        description: Gateway Timeout
    deprecated: false
'/ocpm/pcf/v1/configuration/policy/smpolicy/qosdata/{qosDataName}':
  get:
    tags:
      - Qos Data
    summary: Get Qos Data
    operationId: getQosData
    produces:
      - application/json
    parameters:
      - name: qosDataName
        in: path
        description: Qos Data Name
        required: true
        type: string
    responses:
      '200':
        description: OK.Qos Data is returned
        schema:
          $ref: '#/definitions/QosData'
      '400':
        description: Bad request
      '401':
        description: Unauthorized
      '403':
        description: Forbidden
      '404':
        description: Not Found
      '429':
        description: Too Many Requests
      '500':
        description: Internal Server Error
      '503':
        description: Service Unavailable
    deprecated: false
  put:
    tags:
      - Qos Data
    summary: Update Qos Data
    operationId: updateQosData
    consumes:
      - application/json

```

```
produces:
  - application/json
parameters:
  - in: body
    name: body
    description: body
    required: true
    schema:
      $ref: '#/definitions/QosData'
  - name: qosDataName
    in: path
    description: Qos Data Name
    required: true
    type: string
responses:
  '200':
    description: Updated Qos Data
    schema:
      $ref: '#/definitions/QosData'
  '201':
    description: Created
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '405':
    description: Method Not Allowed
  '406':
    description: Not Acceptable
  '408':
    description: Request Timeout
  '409':
    description: Conflict
  '412':
    description: Precondition Failed
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
  '504':
    description: Gateway Timeout
deprecated: false
delete:
tags:
  - Qos Data
summary: Delete Qos Data
operationId: deleteQosData
produces:
  - '*/*'
parameters:
  - name: qosDataName
```

```

        in: path
        description: Qos Data Name
        required: true
        type: string
    responses:
        '200':
            description: OK
        '204':
            description: Qos Data was succesfully deleted
        '400':
            description: Bad request
        '401':
            description: Unauthorized
        '403':
            description: Forbidden
        '404':
            description: Not Found
        '429':
            description: Too Many Requests
        '500':
            description: Internal Server Error
        '503':
            description: Service Unavailable
    deprecated: false
/ocpm/pcf/v1/configuration/policy/smpolicy/qosinformation:
    post:
        tags:
            - Qos Information
        summary: Create Qos Information
        operationId: createQosInformation
        consumes:
            - application/json
        produces:
            - application/json
        parameters:
            - in: body
              name: body
              description: body
              required: true
              schema:
                $ref: '#/definitions/QosInformation'
        responses:
            '200':
                description: OK
                schema:
                    $ref: '#/definitions/QosInformation'
            '201':
                description: Created
                schema:
                    $ref: '#/definitions/QosInformation'
            '400':
                description: Bad request
            '401':
                description: Unauthorized
            '403':

```

```

        description: Forbidden
    '404':
        description: Not Found
    '405':
        description: Method Not Allowed
    '406':
        description: Not Acceptable
    '408':
        description: Request Timeout
    '409':
        description: Conflict
    '412':
        description: Precondition Failed
    '500':
        description: Internal Server Error
    '503':
        description: Service Unavailable
    '504':
        description: Gateway Timeout
    deprecated: false
    '/ocpm/pcf/v1/configuration/policy/smpolicy/qosinformation/
    {qosInformationName}':
    get:
    tags:
    - Qos Information
    summary: Get Qos Information
    operationId: getQosInformation
    produces:
    - application/json
    parameters:
    - name: qosInformationName
      in: path
      description: Qos Information Name
      required: true
      type: string
    responses:
    '200':
        description: OK. Qos Information is returned
        schema:
            $ref: '#/definitions/QosInformation'
    '400':
        description: Bad request
    '401':
        description: Unauthorized
    '403':
        description: Forbidden
    '404':
        description: Not Found
    '429':
        description: Too Many Requests
    '500':
        description: Internal Server Error
    '503':
        description: Service Unavailable
    deprecated: false

```

```
put:
  tags:
    - Qos Information
  summary: Update Qos Information
  operationId: updateQosInformation
  consumes:
    - application/json
  produces:
    - application/json
  parameters:
    - in: body
      name: body
      description: body
      required: true
      schema:
        $ref: '#/definitions/QosInformation'
    - name: qosInformationName
      in: path
      description: Qos Information Name
      required: true
      type: string
  responses:
    '200':
      description: OK
      schema:
        $ref: '#/definitions/QosInformation'
    '201':
      description: Updated
      schema:
        $ref: '#/definitions/QosInformation'
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '405':
      description: Method Not Allowed
    '406':
      description: Not Acceptable
    '408':
      description: Request Timeout
    '409':
      description: Conflict
    '412':
      description: Precondition Failed
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
    '504':
      description: Gateway Timeout
  deprecated: false
```

```

delete:
  tags:
    - Qos Information
  summary: Delete Qos Information
  operationId: deleteQosInformation
  produces:
    - '*'/*'
  parameters:
    - name: qosInformationName
      in: path
      description: Qos Information Name
      required: true
      type: string
  responses:
    '200':
      description: OK
    '204':
      description: Qos Information was succesfully deleted
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '429':
      description: Too Many Requests
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
  deprecated: false
/ocpm/pcf/v1/configuration/policy/smpolicy/sessionruleprofiles:
post:
  tags:
    - Session Rule Profile
  summary: Create Session Rule Profile
  operationId: createSessionRuleProfile
  consumes:
    - application/json
  produces:
    - application/json
  parameters:
    - in: body
      name: body
      description: body
      required: true
      schema:
        $ref: '#/definitions/SessionRuleProfile'
  responses:
    '200':
      description: OK
      schema:
        $ref: '#/definitions/SessionRuleProfile'

```

```

    '201':
      description: Created
      schema:
        $ref: '#/definitions/SessionRuleProfile'
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '405':
      description: Method Not Allowed
    '406':
      description: Not Acceptable
    '408':
      description: Request Timeout
    '409':
      description: Conflict
    '412':
      description: Precondition Failed
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
    '504':
      description: Gateway Timeout
  deprecated: false
  '/ocpm/pcf/v1/configuration/policy/smpolicy/sessionruleprofiles/{sessionRuleProfileName}':
    get:
      tags:
        - Session Rule Profile
      summary: Get Session Rule Profile
      operationId: getSessionRuleProfile
      produces:
        - application/json
      parameters:
        - name: sessionRuleProfileName
          in: path
          description: Session Rule Profile Name
          required: true
          type: string
      responses:
        '200':
          description: OK. Session Rule Profile is returned
          schema:
            $ref: '#/definitions/SessionRuleProfile'
        '400':
          description: Bad request
        '401':
          description: Unauthorized
        '403':
          description: Forbidden

```

```
'404':
  description: Not Found
'429':
  description: Too Many Requests
'500':
  description: Internal Server Error
'503':
  description: Service Unavailable
deprecated: false
put:
  tags:
    - Session Rule Profile
  summary: Update Session Rule Profile
  operationId: updateSessionRuleProfile
  consumes:
    - application/json
  produces:
    - application/json
  parameters:
    - in: body
      name: body
      description: body
      required: true
      schema:
        $ref: '#/definitions/SessionRuleProfile'
    - name: sessionRuleProfileName
      in: path
      description: Session Rule Profile Name
      required: true
      type: string
  responses:
    '200':
      description: OK
      schema:
        $ref: '#/definitions/SessionRuleProfile'
    '201':
      description: Updated
      schema:
        $ref: '#/definitions/SessionRuleProfile'
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '405':
      description: Method Not Allowed
    '406':
      description: Not Acceptable
    '408':
      description: Request Timeout
    '409':
      description: Conflict
```



```

    '412':
      description: Precondition Failed
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
    '504':
      description: Gateway Timeout
  deprecated: false
delete:
  tags:
    - Session Rule Profile
  summary: Delete Session Rule Profile
  operationId: deleteSessionRuleProfile
  produces:
    - '*'
  parameters:
    - name: sessionRuleProfileName
      in: path
      description: Session Rule Profile Name
      required: true
      type: string
  responses:
    '200':
      description: OK
    '204':
      description: Session Rule Profile was succesfully deleted
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '429':
      description: Too Many Requests
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
  deprecated: false
/ocpm/pcf/v1/configuration/policy/smpolicy/sessionrules:
post:
  tags:
    - Session Rule
  summary: Create Session Rule
  operationId: createSessionRule
  consumes:
    - application/json
  produces:
    - application/json
  parameters:
    - in: body
      name: body

```

```

        description: body
        required: true
        schema:
          $ref: '#/definitions/SessionRule'
      responses:
        '200':
          description: OK
          schema:
            $ref: '#/definitions/SessionRule'
        '201':
          description: Created
          schema:
            $ref: '#/definitions/SessionRule'
        '400':
          description: Bad request
        '401':
          description: Unauthorized
        '403':
          description: Forbidden
        '404':
          description: Not Found
        '405':
          description: Method Not Allowed
        '406':
          description: Not Acceptable
        '408':
          description: Request Timeout
        '409':
          description: Conflict
        '412':
          description: Precondition Failed
        '500':
          description: Internal Server Error
        '503':
          description: Service Unavailable
        '504':
          description: Gateway Timeout
    deprecated: false
  '/ocpm/pcf/v1/configuration/policy/smpolicy/sessionrules/{sessionRuleName}':
    get:
      tags:
        - Session Rule
      summary: Get Session Rule
      operationId: getSessionRule
      produces:
        - application/json
      parameters:
        - name: sessionRuleName
          in: path
          description: Session Rule Name
          required: true
          type: string
      responses:
        '200':

```

```

        description: OK. Session Rule is returned
        schema:
          $ref: '#/definitions/SessionRule'
      '400':
        description: Bad request
      '401':
        description: Unauthorized
      '403':
        description: Forbidden
      '404':
        description: Not Found
      '429':
        description: Too Many Requests
      '500':
        description: Internal Server Error
      '503':
        description: Service Unavailable
    deprecated: false
  put:
    tags:
      - Session Rule
    summary: Update Session Rule
    operationId: updateSessionRule
    consumes:
      - application/json
    produces:
      - application/json
    parameters:
      - in: body
        name: body
        description: body
        required: true
        schema:
          $ref: '#/definitions/SessionRule'
      - name: sessionRuleName
        in: path
        description: Session Rule Name
        required: true
        type: string
    responses:
      '200':
        description: OK
        schema:
          $ref: '#/definitions/SessionRule'
      '201':
        description: Updated
        schema:
          $ref: '#/definitions/SessionRule'
      '400':
        description: Bad request
      '401':
        description: Unauthorized
      '403':
        description: Forbidden
      '404':

```

```

        description: Not Found
    '405':
        description: Method Not Allowed
    '406':
        description: Not Acceptable
    '408':
        description: Request Timeout
    '409':
        description: Conflict
    '412':
        description: Precondition Failed
    '500':
        description: Internal Server Error
    '503':
        description: Service Unavailable
    '504':
        description: Gateway Timeout
    deprecated: false
delete:
tags:
  - Session Rule
summary: Delete Session Rule
operationId: deleteSessionRule
produces:
  - '*'
parameters:
  - name: sessionRuleName
    in: path
    description: Session Rule Name
    required: true
    type: string
responses:
  '200':
    description: OK
  '204':
    description: No Content. Session Rule was succesfully deleted
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '429':
    description: Too Many Requests
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
    deprecated: false
/ocpm/pcf/v1/configuration/policy/smpolicy/trafficcontroldata:
post:
tags:
  - Traffic Control Data

```

```

summary: Create Traffic Control Data
operationId: createTrafficControlData
consumes:
  - application/json
produces:
  - application/json
parameters:
  - in: body
    name: body
    description: body
    required: true
    schema:
      $ref: '#/definitions/TrafficControlData'
responses:
  '200':
    description: OK
    schema:
      $ref: '#/definitions/TrafficControlData'
  '201':
    description: Created
    schema:
      $ref: '#/definitions/TrafficControlData'
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '405':
    description: Method Not Allowed
  '406':
    description: Not Acceptable
  '408':
    description: Request Timeout
  '409':
    description: Conflict
  '412':
    description: Precondition Failed
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
  '504':
    description: Gateway Timeout
deprecated: false
'/ocpm/pcf/v1/configuration/policy/smpolicy/trafficcontroldata/{trafficControlDataName}':
  get:
    tags:
      - Traffic Control Data
    summary: Get Traffic Control Data
    operationId: getTrafficControlData
    produces:

```

```

- application/json
parameters:
- name: trafficControlDataName
  in: path
  description: Traffic Control Data Name
  required: true
  type: string
responses:
'200':
  description: OK.Traffic Control Data is returned
  schema:
    $ref: '#/definitions/TrafficControlData'
'400':
  description: Bad request
'401':
  description: Unauthorized
'403':
  description: Forbidden
'404':
  description: Not Found
'429':
  description: Too Many Requests
'500':
  description: Internal Server Error
'503':
  description: Service Unavailable
deprecated: false
put:
tags:
- Traffic Control Data
summary: Update Traffic Control Data
operationId: updateTrafficControlData
consumes:
- application/json
produces:
- application/json
parameters:
- in: body
  name: body
  description: body
  required: true
  schema:
    $ref: '#/definitions/TrafficControlData'
- name: trafficControlDataName
  in: path
  description: Traffic Control Data Name
  required: true
  type: string
responses:
'200':
  description: Updated Traffic Control Data
  schema:
    $ref: '#/definitions/TrafficControlData'
'201':
  description: Created

```

```

'400':
  description: Bad request
'401':
  description: Unauthorized
'403':
  description: Forbidden
'404':
  description: Not Found
'405':
  description: Method Not Allowed
'406':
  description: Not Acceptable
'408':
  description: Request Timeout
'409':
  description: Conflict
'412':
  description: Precondition Failed
'500':
  description: Internal Server Error
'503':
  description: Service Unavailable
'504':
  description: Gateway Timeout
deprecated: false
delete:
  tags:
    - Traffic Control Data
  summary: Delete Traffic Control Data
  operationId: deleteTrafficControlData
  produces:
    - '*'
  parameters:
    - name: trafficControlDataName
      in: path
      description: Traffic Control Data Name
      required: true
      type: string
  responses:
    '200':
      description: OK
    '204':
      description: Traffic Control Data was succesfully deleted
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '429':
      description: Too Many Requests
    '500':
      description: Internal Server Error

```

```
    '503':
      description: Service Unavailable
      deprecated: false
/ocpm/pcf/v1/configuration/policy/smpolicy/usagemonitoringdata:
  post:
    tags:
      - Usage Monitoring Data
    summary: Create Usage Monitoring Data
    operationId: createUsageMonitoringData
    consumes:
      - application/json
    produces:
      - application/json
    parameters:
      - in: body
        name: body
        description: body
        required: true
        schema:
          $ref: '#/definitions/UsageMonitoringData'
    responses:
      '200':
        description: OK
        schema:
          $ref: '#/definitions/UsageMonitoringData'
      '201':
        description: Created
        schema:
          $ref: '#/definitions/UsageMonitoringData'
      '400':
        description: Bad request
      '401':
        description: Unauthorized
      '403':
        description: Forbidden
      '404':
        description: Not Found
      '405':
        description: Method Not Allowed
      '406':
        description: Not Acceptable
      '408':
        description: Request Timeout
      '409':
        description: Conflict
      '412':
        description: Precondition Failed
      '500':
        description: Internal Server Error
      '503':
        description: Service Unavailable
      '504':
        description: Gateway Timeout
    deprecated: false
'/ocpm/pcf/v1/configuration/policy/smpolicy/usagemonitoringdata/
```



```

{usageMonitoringDataName}':
  get:
    tags:
      - Usage Monitoring Data
    summary: Get Usage Monitoring Data
    operationId: getUsageMonitoringData
    produces:
      - application/json
    parameters:
      - name: usageMonitoringDataName
        in: path
        description: Usage Monitoring Data Name
        required: true
        type: string
    responses:
      '200':
        description: OK.Usage Monitoring Data is returned
        schema:
          $ref: '#/definitions/UsageMonitoringData'
      '400':
        description: Bad request
      '401':
        description: Unauthorized
      '403':
        description: Forbidden
      '404':
        description: Not Found
      '429':
        description: Too Many Requests
      '500':
        description: Internal Server Error
      '503':
        description: Service Unavailable
    deprecated: false
  put:
    tags:
      - Usage Monitoring Data
    summary: Update Usage Monitoring Data
    operationId: updateUsageMonitoringData
    consumes:
      - application/json
    produces:
      - application/json
    parameters:
      - in: body
        name: body
        description: body
        required: true
        schema:
          $ref: '#/definitions/UsageMonitoringData'
      - name: usageMonitoringDataName
        in: path
        description: Usage Monitoring Data Name
        required: true
        type: string

```

```

responses:
  '200':
    description: Updated Usage Monitoring Data
    schema:
      $ref: '#/definitions/UsageMonitoringData'
  '201':
    description: Created
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '405':
    description: Method Not Allowed
  '406':
    description: Not Acceptable
  '408':
    description: Request Timeout
  '409':
    description: Conflict
  '412':
    description: Precondition Failed
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
  '504':
    description: Gateway Timeout
deprecated: false
delete:
  tags:
    - Usage Monitoring Data
  summary: Delete Usage Monitoring Data
  operationId: deleteUsageMonitoringData
  produces:
    - '*/*'
  parameters:
    - name: usageMonitoringDataName
      in: path
      description: Usage Monitoring Data Name
      required: true
      type: string
  responses:
    '200':
      description: OK
    '204':
      description: Usage Monitoring Data was succesfully deleted
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':

```

```

        description: Forbidden
    '404':
        description: Not Found
    '429':
        description: Too Many Requests
    '500':
        description: Internal Server Error
    '503':
        description: Service Unavailable
    deprecated: false
/ocpm/pcf/v1/configuration/policy/userpolicy/upsis:
post:
    tags:
    - UPSI
    summary: Create UPSI
    operationId: createUpsi
    consumes:
    - application/json
    produces:
    - application/json
    parameters:
    - in: body
      name: body
      description: body
      required: true
      schema:
        $ref: '#/definitions/Upsi'
    responses:
    '200':
        description: OK
        schema:
            $ref: '#/definitions/Upsi'
    '201':
        description: Created
        schema:
            $ref: '#/definitions/Upsi'
    '400':
        description: Bad request
    '401':
        description: Unauthorized
    '403':
        description: Forbidden
    '404':
        description: Not Found
    '405':
        description: Method Not Allowed
    '406':
        description: Not Acceptable
    '408':
        description: Request Timeout
    '409':
        description: Conflict
    '412':
        description: Precondition Failed
    '500':

```

```

        description: Internal Server Error
    '503':
        description: Service Unavailable
    '504':
        description: Gateway Timeout
    deprecated: false
'/ocpm/pcf/v1/configuration/policy/userpolicy/upsis/{upsiName}':
get:
    tags:
        - UPSI
    summary: Get UPSI
    operationId: getUPSI
    produces:
        - application/json
    parameters:
        - name: upsiName
          in: path
          description: UPSI Name
          required: true
          type: string
    responses:
        '200':
            description: OK.UPSI is returned
            schema:
                $ref: '#/definitions/Upsi'
        '400':
            description: Bad request
        '401':
            description: Unauthorized
        '403':
            description: Forbidden
        '404':
            description: Not Found
        '429':
            description: Too Many Requests
        '500':
            description: Internal Server Error
        '503':
            description: Service Unavailable
    deprecated: false
put:
    tags:
        - UPSI
    summary: Update UPSI
    operationId: updateUpsi
    consumes:
        - application/json
    produces:
        - application/json
    parameters:
        - in: body
          name: body
          description: body
          required: true
          schema:

```

```

        $ref: '#/definitions/Upsi'
    - name: upsiName
      in: path
      description: UPSI Name
      required: true
      type: string
  responses:
    '200':
      description: Updated UPSI
      schema:
        $ref: '#/definitions/Upsi'
    '201':
      description: Created
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '405':
      description: Method Not Allowed
    '406':
      description: Not Acceptable
    '408':
      description: Request Timeout
    '409':
      description: Conflict
    '412':
      description: Precondition Failed
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
    '504':
      description: Gateway Timeout
  deprecated: false
delete:
  tags:
    - UPSI
  summary: Delete UPSI
  operationId: deleteUPSI
  produces:
    - '*/*'
  parameters:
    - name: upsiName
      in: path
      description: UPSI Name
      required: true
      type: string
  responses:
    '200':
      description: OK
    '204':

```

```

        description: UPSI was succesfully deleted
    '400':
        description: Bad request
    '401':
        description: Unauthorized
    '403':
        description: Forbidden
    '404':
        description: Not Found
    '429':
        description: Too Many Requests
    '500':
        description: Internal Server Error
    '503':
        description: Service Unavailable
    deprecated: false
/ocpm/pcf/v1/configuration/policy/userpolicy/ursps:
post:
    tags:
        - URSP
    summary: Create URSP
    operationId: createUrsp
    consumes:
        - application/json
    produces:
        - application/json
    parameters:
        - in: body
          name: body
          description: body
          required: true
          schema:
            $ref: '#/definitions/Ursp'
    responses:
        '200':
            description: OK
            schema:
                $ref: '#/definitions/Ursp'
        '201':
            description: Created
            schema:
                $ref: '#/definitions/Ursp'
        '400':
            description: Bad request
        '401':
            description: Unauthorized
        '403':
            description: Forbidden
        '404':
            description: Not Found
        '405':
            description: Method Not Allowed
        '406':
            description: Not Acceptable
        '408':

```

```

        description: Request Timeout
    '409':
        description: Conflict
    '412':
        description: Precondition Failed
    '500':
        description: Internal Server Error
    '503':
        description: Service Unavailable
    '504':
        description: Gateway Timeout
    deprecated: false
'/ocpm/pcf/v1/configuration/policy/userpolicy/ursps/{urspName}':
  get:
    tags:
      - URSP
    summary: Get URSP
    operationId: getURSP
    produces:
      - application/json
    parameters:
      - name: urspName
        in: path
        description: URSP Name
        required: true
        type: string
    responses:
      '200':
        description: OK.URSP is returned
        schema:
          $ref: '#/definitions/Ursp'
      '400':
        description: Bad request
      '401':
        description: Unauthorized
      '403':
        description: Forbidden
      '404':
        description: Not Found
      '429':
        description: Too Many Requests
      '500':
        description: Internal Server Error
      '503':
        description: Service Unavailable
    deprecated: false
  put:
    tags:
      - URSP
    summary: Update URSP
    operationId: updateURSP
    consumes:
      - application/json
    produces:
      - application/json

```

```
parameters:
  - in: body
    name: body
    description: body
    required: true
    schema:
      $ref: '#/definitions/Ursp'
  - name: urspName
    in: path
    description: URSP Name
    required: true
    type: string
responses:
  '200':
    description: Updated URSP
    schema:
      $ref: '#/definitions/Ursp'
  '201':
    description: Created
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '405':
    description: Method Not Allowed
  '406':
    description: Not Acceptable
  '408':
    description: Request Timeout
  '409':
    description: Conflict
  '412':
    description: Precondition Failed
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
  '504':
    description: Gateway Timeout
deprecated: false
delete:
  tags:
    - URSP
  summary: Delete URSP
  operationId: deleteURSP
  produces:
    - '*/*'
  parameters:
    - name: urspName
      in: path
      description: URSP Name
```



```

        required: true
        type: string
responses:
  '200':
    description: OK
  '204':
    description: URSP was successfully deleted
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '429':
    description: Too Many Requests
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
deprecated: false
/ocpm/pcf/v1/configuration/service/am:
get:
  tags:
    - Access and Mobility Service
  summary: Get Access and Mobility Service
  operationId: getAccessandMobilityService
  produces:
    - application/json
responses:
  '200':
    description: OK. Access and Mobility Service returned
    schema:
      $ref: '#/definitions/AccessandMobilityService'
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '429':
    description: Too Many Requests
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
deprecated: false
put:
  tags:
    - Access and Mobility Service
  summary: Update Access and Mobility Service
  operationId: updateAccessandMobilityService

```

```

consumes:
  - application/json
produces:
  - application/json
parameters:
  - in: body
    name: body
    description: body
    required: true
    schema:
      $ref: '#/definitions/AccessandMobilityService'
responses:
  '200':
    description: OK
    schema:
      $ref: '#/definitions/AccessandMobilityService'
  '201':
    description: Updated
    schema:
      $ref: '#/definitions/AccessandMobilityService'
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '405':
    description: Method Not Allowed
  '406':
    description: Not Acceptable
  '408':
    description: Request Timeout
  '409':
    description: Conflict
  '412':
    description: Precondition Failed
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
  '504':
    description: Gateway Timeout
deprecated: false
/ocpm/pcf/v1/configuration/service/pa:
get:
  tags:
    - Policy Authorization Service
  summary: Get Policy Authorization Service
  operationId: getPolicyAuthorizationService
  produces:
    - application/json
  responses:
    '200':

```

```

        description: OK. Resource representation is returned
        schema:
          $ref: '#/definitions/PolicyAuthorizationService'
      '400':
        description: Bad request
      '401':
        description: Unauthorized
      '403':
        description: Forbidden
      '404':
        description: Not Found
      '429':
        description: Too Many Requests
      '500':
        description: Internal Server Error
      '503':
        description: Service Unavailable
    deprecated: false
  put:
    tags:
      - Policy Authorization Service
    summary: Update Policy Authorization Service
    operationId: updatePolicyAuthorizationService
    consumes:
      - application/json
    produces:
      - application/json
    parameters:
      - in: body
        name: body
        description: body
        required: true
        schema:
          $ref: '#/definitions/PolicyAuthorizationService'
    responses:
      '200':
        description: Updated.
        schema:
          $ref: '#/definitions/PolicyAuthorizationService'
      '201':
        description: Created
        schema:
          $ref: '#/definitions/PolicyAuthorizationService'
      '400':
        description: Bad request
      '401':
        description: Unauthorized
      '403':
        description: Forbidden
      '404':
        description: Not Found
      '405':
        description: Method Not Allowed
      '406':
        description: Not Acceptable

```

```

    '408':
      description: Request Timeout
    '409':
      description: Conflict
    '412':
      description: Precondition Failed
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
    '504':
      description: Gateway Timeout
  deprecated: false
/ocpm/pcf/v1/configuration/service/sm:
get:
  tags:
    - Session Management Service
  summary: Get Session Management Service
  operationId: getSessionManagementService
  produces:
    - application/json
  responses:
    '200':
      description: OK. Session Management Service returned
      schema:
        $ref: '#/definitions/SessionManagementService'
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '429':
      description: Too Many Requests
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
  deprecated: false
put:
  tags:
    - Session Management Service
  summary: Update Session Management Service
  operationId: updateSessionManagementService
  consumes:
    - application/json
  produces:
    - application/json
  parameters:
    - in: body
      name: body
      description: body
      required: true

```

```

        schema:
          $ref: '#/definitions/SessionManagementService'
responses:
  '200':
    description: Updated.
    schema:
      $ref: '#/definitions/SessionManagementService'
  '201':
    description: Created
    schema:
      $ref: '#/definitions/SessionManagementService'
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '405':
    description: Method Not Allowed
  '406':
    description: Not Acceptable
  '408':
    description: Request Timeout
  '409':
    description: Conflict
  '412':
    description: Precondition Failed
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
  '504':
    description: Gateway Timeout
deprecated: false
/ocpm/pcf/v1/configuration/service/ue:
get:
  tags:
    - UE Policy Service
  summary: Get UE Policy Service
  operationId: getUEPolicyService
  produces:
    - application/json
  responses:
    '200':
      description: OK. Resource representation is returned
      schema:
        $ref: '#/definitions/UEPolicyService'
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden

```

```
'404':
  description: Not Found
'429':
  description: Too Many Requests
'500':
  description: Internal Server Error
'503':
  description: Service Unavailable
deprecated: false
put:
  tags:
    - UE Policy Service
  summary: Update UE Policy Service
  operationId: updateUEPolicyService
  consumes:
    - application/json
  produces:
    - application/json
  parameters:
    - in: body
      name: body
      description: body
      required: true
      schema:
        $ref: '#/definitions/UEPolicyService'
  responses:
    '200':
      description: Updated.
      schema:
        $ref: '#/definitions/UEPolicyService'
    '201':
      description: Created
      schema:
        $ref: '#/definitions/UEPolicyService'
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '405':
      description: Method Not Allowed
    '406':
      description: Not Acceptable
    '408':
      description: Request Timeout
    '409':
      description: Conflict
    '412':
      description: Precondition Failed
    '500':
      description: Internal Server Error
    '503':
```

```
        description: Service Unavailable
    '504':
        description: Gateway Timeout
    deprecated: false
/ocpm/pcf/v1/configuration/service/user:
get:
    tags:
        - User Service
    summary: Get User Service
    operationId: getUserService
    produces:
        - application/json
    responses:
        '200':
            description: OK. Resource representation is returned
            schema:
                $ref: '#/definitions/UserService'
        '400':
            description: Bad request
        '401':
            description: Unauthorized
        '403':
            description: Forbidden
        '404':
            description: Not Found
        '429':
            description: Too Many Requests
        '500':
            description: Internal Server Error
        '503':
            description: Service Unavailable
    deprecated: false
put:
    tags:
        - User Service
    summary: User Service
    operationId: updateUserService
    consumes:
        - application/json
    produces:
        - application/json
    parameters:
        - in: body
          name: body
          description: body
          required: true
          schema:
              $ref: '#/definitions/UserService'
    responses:
        '200':
            description: Updated.
            schema:
                $ref: '#/definitions/UserService'
        '201':
            description: Created
```

```

    schema:
      $ref: '#/definitions/UserService'
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '405':
    description: Method Not Allowed
  '406':
    description: Not Acceptable
  '408':
    description: Request Timeout
  '409':
    description: Conflict
  '412':
    description: Precondition Failed
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
  '504':
    description: Gateway Timeout
  deprecated: false
/ocpm/policymanagement/v1/policyprojects:
  get:
    tags:
      - Policy Management
    summary: Export policy projects
    operationId: exportPolicyProjects
    produces:
      - application/json
    responses:
      '200':
        description: Policy Projects exported
        schema:
          type: array
          items:
            $ref: '#/definitions/PolicyProjectConfiguration'
      '400':
        description: Bad request
      '401':
        description: Unauthorized
      '403':
        description: Forbidden
      '404':
        description: Not Found
      '429':
        description: Too Many Requests
      '500':
        description: Internal Server Error
      '503':

```



```
        description: Service Unavailable
    deprecated: false
  post:
    tags:
      - Policy Management
    summary: Import policy projects
    operationId: importPolicyProject
    consumes:
      - application/json
    produces:
      - '*/*'
    parameters:
      - in: body
        name: body
        description: body
        required: true
        schema:
          type: array
          items:
            $ref: '#/definitions/PolicyProjectConfiguration'
      - name: conflictResolution
        in: query
        description: Action to perform on conflict
        required: true
        type: string
        allowEmptyValue: false
        enum:
          - ignore
          - replace
    responses:
      '200':
        description: Ok
        schema:
          type: string
      '201':
        description: Policies Imported
        schema:
          type: string
      '400':
        description: Bad request
      '401':
        description: Unauthorized
      '403':
        description: Forbidden
      '404':
        description: Not Found
      '406':
        description: Not Acceptable
      '408':
        description: Request Timeout
      '500':
        description: Internal Server Error
      '503':
        description: Service Unavailable
      '504':
```

```

        description: Gateway Timeout
    deprecated: false
delete:
    tags:
        - Policy Management
    summary: Delete Policy Projects
    operationId: deletePolicyProjects
    produces:
        - '*'
    responses:
        '200':
            description: Policy projects succesfully deleted
            schema:
                type: string
        '204':
            description: No Content
        '400':
            description: Bad request
        '401':
            description: Unauthorized
        '403':
            description: Forbidden
        '404':
            description: Not Found
        '429':
            description: Too Many Requests
        '500':
            description: Internal Server Error
        '503':
            description: Service Unavailable
    deprecated: false
/ocpm/policymanagement/v1/policyprojects/report:
    post:
        tags:
            - Policy Management
        summary: Create policy report
        operationId: createPolicyReport
        consumes:
            - application/json
        produces:
            - application/json
        parameters:
            - in: body
              name: body
              description: body
              required: true
              schema:
                  type: array
                  items:
                      $ref: '#/definitions/PolicyProjectConfiguration'
        responses:
            '200':
                description: Ok
                schema:
                    $ref: '#/definitions/PolicyImportReport'

```

```

    '201':
      description: Policy Report Created
      schema:
        $ref: '#/definitions/PolicyImportReport'
    '400':
      description: Bad request
    '401':
      description: Unauthorized
    '403':
      description: Forbidden
    '404':
      description: Not Found
    '406':
      description: Not Acceptable
    '408':
      description: Request Timeout
    '409':
      description: Conflict
    '500':
      description: Internal Server Error
    '503':
      description: Service Unavailable
    '504':
      description: Gateway Timeout
  deprecated: false
'/ocpm/policymanagement/v1/policyprojects/{policyProjectName}':
  get:
    tags:
      - Policy Management
    summary: Export policy project
    operationId: exportPolicyProject
    produces:
      - application/json
    parameters:
      - name: policyProjectName
        in: path
        description: Policy Project Name
        required: true
        type: string
    responses:
      '200':
        description: Policy Porject exported
        schema:
          type: array
          items:
            $ref: '#/definitions/PolicyProjectConfiguration'
      '400':
        description: Bad request
      '401':
        description: Unauthorized
      '403':
        description: Forbidden
      '404':
        description: Not Found
      '429':

```

```

        description: Too Many Requests
    '500':
        description: Internal Server Error
    '503':
        description: Service Unavailable
    deprecated: false
delete:
tags:
    - Policy Management
summary: Delete Policy Project
operationId: deletePolicyProject
produces:
    - '*'/*'
parameters:
    - name: policyProjectName
      in: path
      description: Policy Project Name
      required: true
      type: string
responses:
    '200':
        description: Policy project was succesfully deleted
        schema:
            type: string
    '204':
        description: No Content
    '400':
        description: Bad request
    '401':
        description: Unauthorized
    '403':
        description: Forbidden
    '404':
        description: Not Found
    '429':
        description: Too Many Requests
    '500':
        description: Internal Server Error
    '503':
        description: Service Unavailable
    deprecated: false
/ocpm/policymanagement/v1/policytables:
post:
tags:
    - Policy Table
summary: Import policy tables
operationId: importPolicyTable
consumes:
    - application/json
produces:
    - '*'/*'
parameters:
    - in: body
      name: body
      description: body

```

```

        required: true
        schema:
          type: array
          items:
            $ref: '#/definitions/PolicyTableData'
responses:
  '200':
    description: Ok
    schema:
      type: string
  '201':
    description: Policies Imported
    schema:
      type: string
  '400':
    description: Bad request
  '401':
    description: Unauthorized
  '403':
    description: Forbidden
  '404':
    description: Not Found
  '406':
    description: Not Acceptable
  '408':
    description: Request Timeout
  '500':
    description: Internal Server Error
  '503':
    description: Service Unavailable
  '504':
    description: Gateway Timeout
deprecated: false
'/ocpm/policymanagement/v1/policytables/{serviceName}':
get:
  tags:
    - Policy Table
  summary: Export policy table
  operationId: exportPolicyTable
  produces:
    - application/json
  parameters:
    - name: serviceName
      in: path
      description: Service Name
      required: true
      type: string
  responses:
    '200':
      description: Policy Table exported
      schema:
        type: array
        items:
          $ref: '#/definitions/PolicyTableData'
    '400':

```

```

        description: Bad request
    '401':
        description: Unauthorized
    '403':
        description: Forbidden
    '404':
        description: Not Found
    '429':
        description: Too Many Requests
    '500':
        description: Internal Server Error
    '503':
        description: Service Unavailable
    deprecated: false
'/ocpm/policymanagement/v1/policytables/{serviceName}/{policyTableName}':
delete:
    tags:
        - Policy Table
    summary: Delete Policy Table
    operationId: deletePolicyTable
    produces:
        - '*/*'
    parameters:
        - name: policyTableName
          in: path
          description: Policy Table Name
          required: true
          type: string
        - name: serviceName
          in: path
          description: Service Name
          required: true
          type: string
    responses:
        '200':
            description: Policy table was succesfully deleted
            schema:
                type: string
        '204':
            description: No Content
        '400':
            description: Bad request
        '401':
            description: Unauthorized
        '403':
            description: Forbidden
        '404':
            description: Not Found
        '429':
            description: Too Many Requests
        '500':
            description: Internal Server Error
        '503':
            description: Service Unavailable
    deprecated: false

```

```
definitions:
  AMFConfiguration:
    type: object
    properties:
      enableHttp11Client:
        type: boolean
      naSMsgTransferMaxSize:
        type: integer
        format: int32
    title: AMFConfiguration
  AMServiceSystemConfiguration:
    type: object
    required:
      - rootLogLevel
    properties:
      enableHttp2Client:
        type: boolean
      isSubscribe:
        type: boolean
      isValidUser:
        type: boolean
      logList:
        type: array
        items:
          $ref: '#/definitions/AMServiceSystemConfigurationLogList'
      rootLogLevel:
        type: string
        enum:
          - TRACE
          - DEBUG
          - INFO
          - WARN
          - ERROR
          - ALWAYS
      usePolicyService:
        type: boolean
      useUserPolicy:
        type: boolean
    title: AMServiceSystemConfiguration
  AMServiceSystemConfigurationLogList:
    type: object
    required:
      - name
    properties:
      level:
        type: string
        enum:
          - TRACE
          - DEBUG
          - INFO
          - WARN
          - ERROR
          - ALWAYS
    name:
      type: string
```

```

    title: AMServiceSystemConfigurationLogList
AccessandMobilityService:
  type: object
  properties:
    app:
      $ref: '#/definitions/AppConfiguration'
    system:
      $ref: '#/definitions/AMServiceSystemConfiguration'
  title: AccessandMobilityService
AppConfiguration:
  type: object
  properties:
    defaultRfsp:
      type: string
    defaultServAreaResCfgId:
      type: string
    defaultTriggers:
      type: array
      items:
        type: string
        enum:
          - LOC_CH
          - PRA_CH
          - SERV_AREA_CH
          - RFSP_CH
          - UE_POLICY
  title: AppConfiguration
Arp:
  type: object
  required:
    - preemptCap
    - preemptVuln
    - priorityLevel
  properties:
    preemptCap:
      type: string
      enum:
        - NOT_PREEMPT
        - MAY_PREEMPT
    preemptVuln:
      type: string
      enum:
        - NOT_PREEMPTABLE
        - PREEMPTABLE
    priorityLevel:
      type: integer
      format: int32
      description: 'enter a range in [1-15] number'
  title: Arp
AuthSessAmbr:
  type: object
  properties:
    downlink:
      type: string
      description: Enter a value starting with number and ending bps or

```



```

Kbps or Mbps or Gbps or Tbps
  uplink:
    type: string
    description: Enter a value starting with number and ending bps or
Kbps or Mbps or Gbps or Tbps
  title: AuthSessAmbr
BindingConfiguration:
  type: object
  properties:
    bindingOperationEnabled:
      type: boolean
    useHttp2:
      type: boolean
    useLocalConfiguredBsfAlways:
      type: boolean
    useLocalConfiguredBsfWhenNotDiscovered:
      type: boolean
  title: BindingConfiguration
ChargingConfiguration:
  type: object
  properties:
    chgDataIdPrefix:
      type: string
      example: chgdata_
    offline:
      type: boolean
    online:
      type: boolean
    primaryChfAddress:
      type: string
    secondaryChfAddress:
      type: string
  title: ChargingConfiguration
ChargingData:
  type: object
  required:
    - name
  properties:
    afChargingIdentifier:
      type: integer
      format: int64
      description: Enter a value between 0 and 4294967295
    appSvcProvId:
      type: string
    chgId:
      type: string
    description:
      type: string
    meteringMethod:
      type: string
      enum:
        - DURATION
        - VOLUME
        - DURATION_VOLUME
        - EVENT

```

```

name:
  type: string
offline:
  type: boolean
online:
  type: boolean
ratingGroup:
  type: integer
  format: int64
  description: Enter a value between 0 and 4294967295
reportingLevel:
  type: string
  enum:
    - SER_ID_LEVEL
    - RAT_GR_LEVEL
    - SPON_CON_LEV
serviceId:
  type: integer
  format: int64
  description: Enter a value between 0 and 4294967295
sponsorId:
  type: string
title: ChargingData
CommonConfiguration:
  type: object
  properties:
    requestTimeout:
      type: string
      example: 1000
    resourceGetSub:
      type: boolean
  title: CommonConfiguration
CommonServer:
  type: object
  required:
    - port
  properties:
    addr:
      type: string
    identity:
      type: string
    port:
      type: string
      description: 'enter a range in [0-65535] number'
  title: CommonServer
ConditionData:
  type: object
  required:
    - name
  properties:
    activationTime:
      type: string
      example: 'YYYY-MM-DDTHH:MM:SS'
    condId:
      type: string

```

```

    deactivationTime:
      type: string
      example: 'YYYY-MM-DDTHH:MM:SS'
    description:
      type: string
    name:
      type: string
  title: ConditionData
DBConfiguration:
  type: object
  properties:
    indexing:
      $ref: '#/definitions/Indexing'
    keysPrecedence:
      type: array
      items:
        type: string
        enum:
          - MSISDN
          - IMSI
          - NAI
          - EXTID
    userIndexKeys:
      type: array
      items:
        type: string
        enum:
          - msisdn
          - imsi
          - nai
          - extid
  title: DBConfiguration
DataSources:
  type: object
  required:
    - name
  properties:
    admin_state:
      type: boolean
    description:
      type: string
    enable_subscription:
      type: boolean
    name:
      type: string
    primary_server:
      $ref: '#/definitions/CommonServer'
    quaternary_server:
      $ref: '#/definitions/CommonServer'
    read_connection:
      type: string
      enum:
        - '1'
        - '2'
        - '3'

```

```

    - '4'
    - '5'
    - '6'
    - '7'
    - '8'
    - '9'
    - '10'
  realm:
    type: string
  role:
    type: string
    enum:
      - primary
      - Secondary
      - On Demand
  search_criteria:
    $ref: '#/definitions/SearchCriteria'
  search_filter:
    $ref: '#/definitions/SearchFilter'
  secondary_server:
    $ref: '#/definitions/CommonServer'
  sh_profile:
    type: string
    enum:
      - v2
      - v3
      - v4
  tertiary_server:
    $ref: '#/definitions/CommonServer'
  timer_profile:
    type: string
  type:
    type: string
    enum:
      - LDAP
      - Sh
      - Sy
  use_notif_eff:
    type: boolean
  title: DataSources
DiamSettings:
  type: object
  properties:
    timer:
      $ref: '#/definitions/DiamSettingsTimer'
    transport:
      $ref: '#/definitions/DiamSettingsTransport'
  title: DiamSettings
DiamSettingsTimer:
  type: object
  properties:
    connectionTimeout:
      type: string
      example: 3
      description: enter number of seconds.

```

```

reconnectDelay:
  type: string
  example: 3
  description: enter number of seconds.
responseTimeout:
  type: string
  example: 5
  description: enter number of seconds.
watchdogInterval:
  type: string
  example: 6
  description: enter number of seconds.
title: DiamSettingsTimer
DiamSettingsTransport:
  type: object
  properties:
    protocol:
      type: string
      enum:
        - TCP
        - SCTP
    title: DiamSettingsTransport
EthFlowDescription:
  type: object
  properties:
    destMacAddr:
      type: string
      description: 'enter a MAC address ,such as''3D-F2-C9-A6-B3-4F''.'
    ethType:
      type: string
    fDesc:
      type: string
    fDir:
      type: string
      enum:
        - DOWNLINK
        - UPLINK
        - BIDIRECTIONAL
        - UNSPECIFIED
    fdesc:
      type: string
    fdir:
      type: string
      enum:
        - DOWNLINK
        - UPLINK
        - BIDIRECTIONAL
        - UNSPECIFIED
    sourceMacAddr:
      type: string
      description: 'enter a MAC address ,such as''3D-F2-C9-A6-B3-4F''
    vlanTags:
      type: array
      items:
        type: string

```

```

    title: EthFlowDescription
FlowInfos:
  type: object
  required:
    - name
  properties:
    ethFlowDescription:
      $ref: '#/definitions/EthFlowDescription'
    flowDescription:
      type: string
    flowDirection:
      type: string
      enum:
        - DOWNLINK
        - UPLINK
        - BIDIRECTIONAL
        - UNSPECIFIED
    flowLabel:
      type: string
    name:
      type: string
    packFiltId:
      type: string
    packetFilterUsage:
      type: boolean
    spi:
      type: string
    tosTrafficClass:
      type: string
  title: FlowInfos
GNbId:
  type: object
  required:
    - bitLength
    - gNbValue
  properties:
    bitLength:
      type: integer
      format: int32
    gNbValue:
      type: string
      description: You must enter 6 to 8 A-F or a-f letter or number.
  title: GNbId
IMSEmergencySessionConfiguration:
  type: object
  required:
    - arpPreemptCap
    - arpPreemptVuln
  properties:
    arpPreemptCap:
      type: string
      enum:
        - NOT_PREEMPT
        - MAY_PREEMPT
    arpPreemptVuln:

```

```

        type: string
        enum:
          - NOT_PREEMPTABLE
          - PREEMPTABLE
    arpPriorityLevel:
        type: integer
        format: int32
    emergencyDNNs:
        type: array
        description: Any number of values are permitted for Emergency DNNs
        items:
            type: string
    title: IMSEmergencySessionConfiguration
IMSEmergencySessionPAServiceConfiguration:
    type: object
    properties:
        emergencyServiceURNs:
            type: array
            description: Any number of values are permitted for Emergency
Service URNs
            items:
                type: string
        reservationPriorityTypes:
            type: array
            items:
                type: string
                enum:
                    - PRIO_1
                    - PRIO_2
                    - PRIO_3
                    - PRIO_4
                    - PRIO_5
                    - PRIO_6
                    - PRIO_7
                    - PRIO_8
                    - PRIO_9
                    - PRIO_10
                    - PRIO_11
                    - PRIO_12
                    - PRIO_13
                    - PRIO_14
                    - PRIO_15
                    - PRIO_16
    title: IMSEmergencySessionPAServiceConfiguration
Indexing:
    type: object
    properties:
        indexByExtid:
            type: boolean
        indexByImsi:
            type: boolean
        indexByMsisdn:
            type: boolean
        indexByNai:
            type: boolean

```

```
title: Indexing
JsonNode:
  type: object
  properties:
    array:
      type: boolean
    bigDecimal:
      type: boolean
    bigInteger:
      type: boolean
    binary:
      type: boolean
    boolean:
      type: boolean
    containerNode:
      type: boolean
    double:
      type: boolean
    empty:
      type: boolean
    float:
      type: boolean
    floatingPointNumber:
      type: boolean
    int:
      type: boolean
    integralNumber:
      type: boolean
    long:
      type: boolean
    missingNode:
      type: boolean
    nodeType:
      type: string
      enum:
        - ARRAY
        - BINARY
        - BOOLEAN
        - MISSING
        - 'NULL'
        - NUMBER
        - OBJECT
        - POJO
        - STRING
    'null':
      type: boolean
    number:
      type: boolean
    object:
      type: boolean
    pojo:
      type: boolean
    short:
      type: boolean
    textual:
```



```

        type: boolean
    valueNode:
        type: boolean
    title: JsonNode
PServiceSystemConfiguration:
    type: object
    properties:
        afDirectReply:
            type: boolean
        afSubsNotifySegment:
            type: string
            example: termination
        afTerminateUriSegment:
            type: string
            example: termination
        overrideSupportedFeatures:
            type: string
    title: PServiceSystemConfiguration
PCFGGlobalConfigurations:
    type: object
    properties:
        apiGatewayHost:
            type: string
        apiGatewayPort:
            type: number
            example: 80
        enableMetrics:
            type: boolean
        enableTls:
            type: boolean
        enableTracing:
            type: boolean
    title: PCFGGlobalConfigurations
PccRule:
    type: object
    required:
        - name
        - pccRuleId
        - type
    properties:
        afSigProtocol:
            type: string
            enum:
                - NO_INFORMATION
                - SIP
        appId:
            type: string
        appReloc:
            type: boolean
        contVer:
            type: string
        description:
            type: string
        flowInfos:
            type: array

```

```

        items:
          $ref: '#/definitions/FlowInfos'
      name:
        type: string
      pccRuleId:
        type: string
      precedence:
        type: string
      refChgData:
        type: array
        items:
          type: string
      refCondData:
        type: string
      refQosData:
        type: array
        items:
          type: string
      refTcData:
        type: array
        items:
          type: string
      refUmData:
        type: array
        items:
          type: string
      type:
        type: string
        enum:
          - DYNAMIC
          - PREDEFINED
      title: PccRule
    PccRuleProfile:
      type: object
      required:
        - name
        - type
      properties:
        afSigProtocol:
          type: string
          enum:
            - NO_INFORMATION
            - SIP
        appId:
          type: string
        appReloc:
          type: boolean
        contVer:
          type: string
        description:
          type: string
        flowInfos:
          type: array
          items:
            $ref: '#/definitions/FlowInfos'

```

```

    id:
      type: string
    name:
      type: string
    precedence:
      type: string
    refChgData:
      type: array
      items:
        type: string
    refCondData:
      type: string
    refQosData:
      type: array
      items:
        type: string
    refTcData:
      type: array
      items:
        type: string
    refUmData:
      type: array
      items:
        type: string
    type:
      type: string
      enum:
        - DYNAMIC
        - PREDEFINED
  title: PccRuleProfile
PeerNode:
  type: object
  required:
    - diamName
    - dtype
    - initiateConnection
  properties:
    diamName:
      type: string
    dtype:
      type: string
      enum:
        - af
        - dra
        - ocs
        - tdf
        - udr
        - backend
    host:
      type: string
      description: 'enter a FQDN, ipv4 or ipv6 address'.'
    identity:
      type: string
      description: Enter valid FQDN.
    initiateConnection:

```

```

        type: boolean
    port:
        type: string
        example: 3868
        description: 'Enter a range in [0-65535].'
```

realm:

```

        type: string
        description: Enter valid FQDN.
    reconnectLimit:
        type: string
        example: 3
        description: enter number of seconds.
    title: PeerNode
Plmn:
    type: object
    required:
        - mcc
        - mnc
    properties:
        mcc:
            type: string
            description: 'Valid Range [0-999]'
        mnc:
            type: string
            description: 'Valid Range [0-999]'
    title: Plmn
PlmnId:
    type: object
    required:
        - mcc
        - mnc
    properties:
        mcc:
            type: string
            description: enter a 3 digit number
        mnc:
            type: string
            description: enter a 2 or 3 digit number
    title: PlmnId
Policy:
    type: object
    properties:
        evaluateEnabled:
            type: boolean
    title: Policy
PolicyAuthorizationService:
    type: object
    properties:
        imsEmergencySession:
            $ref: '#/definitions/IMSEmergencySessionPServiceConfiguration'
        system:
            $ref: '#/definitions/PServiceSystemConfiguration'
    title: PolicyAuthorizationService
PolicyConfiguration:
    type: object
```

```

properties:
  entrance:
    type: boolean
  layout:
    type: string
  name:
    type: string
  outputModels:
    type: array
    items:
      type: string
  script:
    type: string
title: PolicyConfiguration
PolicyControlRequestTrigger:
  type: object
  properties:
    defaultPolicyControlRequestTriggers:
      type: array
      items:
        type: string
        enum:
          - PLMN_CH
          - RES_MO_RE
          - AC_TY_CH
          - UE_IP_CH
          - UE_MAC_CH
          - AN_CH_COR
          - US_RE
          - APP_STA
          - APP_STO
          - AN_INFO
          - CM_SES_FAIL
          - PS_DA_OFF
          - DEF_QOS_CH
          - SE_AMBR_CH
          - QOS_NOTIF
          - NO_CREDIT
          - PRA_CH
          - SAREA_CH
          - SCNN_CH
          - RE_TIMEOUT
          - RES_RELEASE
          - SUCC_RES_ALLO
          - RAT_TY_CH
          - REF_QOS_IND_CH
    title: PolicyControlRequestTrigger
PolicyCounterId:
  type: object
  required:
    - name
  properties:
    defaultStatus:
      type: string
    desc:

```

```

        type: string
      id:
        type: string
      name:
        type: string
      title: PolicyCounterId
    PolicyImportReport:
      type: object
      properties:
        policyImportReport:
          type: array
          items:
            $ref: '#/definitions/PolicyProjectReport'
      title: PolicyImportReport
    PolicyProjectConfiguration:
      type: object
      properties:
        description:
          type: string
        name:
          type: string
        policy:
          type: array
          items:
            $ref: '#/definitions/PolicyConfiguration'
        serviceType:
          type: string
      title: PolicyProjectConfiguration
    PolicyProjectReport:
      type: object
      properties:
        conflicts:
          type: array
          items:
            type: string
        policiesToCreate:
          type: array
          items:
            type: string
        policiesToDelete:
          type: array
          items:
            type: string
        policyProjectName:
          type: string
      title: PolicyProjectReport
    PolicyTableColumn:
      type: object
      required:
        - dataType
        - isKey
        - name
      properties:
        dataType:
          type: string

```

```

        enum:
          - string
          - array
          - boolean
          - ratType
          - operationType
          - pccRule
          - sessionRule
          - pra
    isKey:
      type: boolean
    name:
      type: string
  title: PolicyTableColumn
PolicyTableData:
  type: object
  required:
    - name
    - serviceName
  properties:
    columns:
      type: array
      items:
        $ref: '#/definitions/PolicyTableColumn'
    description:
      type: string
    name:
      type: string
    rows:
      type: array
      items:
        $ref: '#/definitions/JsonNode'
    serviceName:
      type: string
  title: PolicyTableData
PresenceReportingArea:
  type: object
  required:
    - name
    - praId
  properties:
    ecgiList:
      type: array
      items:
        $ref: '#/definitions/PresenceReportingAreaEcgiList'
    globalRanNodeIdList:
      type: array
      items:
        $ref: '#/definitions/PresenceReportingAreaGlobalRanNodeIdList'
    name:
      type: string
    ncgiList:
      type: array
      items:
        $ref: '#/definitions/PresenceReportingAreaNcgiList'

```

```

    praId:
      type: string
    presenceState:
      type: string
      enum:
        - IN_AREA
        - OUT_OF_AREA
        - UNKNOWN
        - INACTIVE
    trackingAreaList:
      type: array
      items:
        $ref: '#/definitions/PresenceReportingAreaTrackingAreaList'
  title: PresenceReportingArea
PresenceReportingAreaEcgiList:
  type: object
  required:
    - plmnId
  properties:
    eutraCellId:
      type: string
      description: enter a 7 digit hexadecimal value
    plmnId:
      $ref: '#/definitions/PlmnId'
  title: PresenceReportingAreaEcgiList
PresenceReportingAreaGlobalRanNodeIdList:
  type: object
  properties:
    gNbId:
      $ref: '#/definitions/GNbId'
    n3IwfId:
      type: string
      description: enter a 1 or more digit hexadecimal value
    ngeNbId:
      type: string
      description: Enter a value starting with 'MacroNGeNB-' or
'SMacroNGeNB-' and ending with a 5 hexadecimal value or starting with
'LMacroNGeNB-' and ending with a 6 hexadecimal value
    plmnId:
      $ref: '#/definitions/PlmnId'
  title: PresenceReportingAreaGlobalRanNodeIdList
PresenceReportingAreaNcgiList:
  type: object
  properties:
    nrCellId:
      type: string
      description: enter a 9 digit hexadecimal value
    plmnId:
      $ref: '#/definitions/PlmnId'
  title: PresenceReportingAreaNcgiList
PresenceReportingAreaTrackingAreaList:
  type: object
  properties:
    plmnId:
      $ref: '#/definitions/PlmnId'

```



```

    tac:
      type: string
      description: enter a 4 or 6 digit hexadecimal value
    title: PresenceReportingAreaTrackingAreaList
  QoSConfiguration:
    type: object
    properties:
      defaultQos5qi:
        type: string
        example: 9
      defaultQosArpPreemptCap:
        type: string
        example: MAY_PREEMPT
        enum:
          - NOT_PREEMPT
          - MAY_PREEMPT
      defaultQosArpPreemptVuln:
        type: string
        example: NOT_PREEMPTABLE
        enum:
          - PREEMPTABLE
          - NOT_PREEMPTABLE
      defaultQosArpPriorityLevel:
        type: string
        example: 1
      installDefQosIfNotRequested:
        type: boolean
      qosDataIdPrefix:
        type: string
        example: qosdata_
      updateDefaultPcfRuleWithAuthDefQos:
        type: boolean
    title: QoSConfiguration
  QosData:
    type: object
    required:
      - arp
      - name
    properties:
      5qi:
        type: integer
        format: int32
        description: 'enter a range in [0-255] number'
      arp:
        $ref: '#/definitions/Arp'
      averWindow:
        type: integer
        format: int32
        example: 2000
        description: Enter a value between 1 and 4095
      defQosFlowIndication:
        type: boolean
      description:
        type: string
      gbrDl:

```

```

        type: string
        description: Enter a value starting with number and ending bps or
Kbps or Mbps or Gbps or Tbps
        gbrUl:
            type: string
            description: Enter a value starting with number and ending bps or
Kbps or Mbps or Gbps or Tbps
        maxDataBurstVol:
            type: integer
            format: int32
            description: Enter a value between 1 and 4095
        maxPacketLossRateDl:
            type: integer
            format: int32
            description: Enter a value between 0 and 1000
        maxPacketLossRateUl:
            type: integer
            format: int32
            description: Enter a value between 0 and 1000
        maxbrDl:
            type: string
            description: Enter a value starting with number and ending bps or
Kbps or Mbps or Gbps or Tbps
        maxbrUl:
            type: string
            description: Enter a value starting with number and ending bps or
Kbps or Mbps or Gbps or Tbps
        name:
            type: string
        priorityLevel:
            type: integer
            format: int32
            description: Enter a value between 1 and 127
        qnc:
            type: boolean
        qosId:
            type: string
        reflectiveQos:
            type: boolean
        sharingKeyDl:
            type: string
        sharingKeyUl:
            type: string
        title: QosData
    QosInformation:
        type: object
        required:
            - name
        properties:
            5qi:
                type: string
                description: 'enter a range in [0-255] number'
            arp:
                $ref: '#/definitions/Arp'
            averWindow:

```

```

        type: string
        example: 2000
    description:
        type: string
    maxDataBurstVol:
        type: string
        example: 2000
    name:
        type: string
    priorityLevel:
        type: string
        description: 'enter a range in [1-127] number'
    title: QosInformation
RedirectInfo:
    type: object
    properties:
        redirectAddressType:
            type: string
            enum:
                - IPV4_ADDR
                - IPV6_ADDR
                - URL
                - SIP_URI
        redirectEnabled:
            type: boolean
        redirectServerAddress:
            type: string
    title: RedirectInfo
RouteInfo:
    type: object
    properties:
        ipv4Addr:
            type: string
        ipv6Addr:
            type: string
        portNumber:
            type: integer
            format: int32
        description: Enter a number greater than or equal to 0
    title: RouteInfo
RouteSelectionDescriptorComponent:
    type: object
    title: RouteSelectionDescriptorComponent
RouteSelectionDescriptorComponentIE:
    type: object
    properties:
        routeSelectionDescriptorType:
            type: string
            enum:
                - SSC_MODE
                - SNSSAI
                - DNN
                - PDU_SESSION_TYPE
                - PREFERRED_ACCESS_TYPE
                - NON_SEAMLESS_NON_3GPP_OFFLOAD_INDICATION

```

```

    value:
      $ref: '#/definitions/RouteSelectionDescriptorComponent'
    title: RouteSelectionDescriptorComponentIE
RouteToLocs:
  type: object
  properties:
    dnai:
      type: string
    routeInfo:
      $ref: '#/definitions/RouteInfo'
    routeProfId:
      type: string
  title: RouteToLocs
RuleConfiguration:
  type: object
  properties:
    appRulePrecedenceMax:
      type: string
      example: 899
    appRulePrecedenceMin:
      type: string
      example: 400
    defaultPccRule5qi:
      type: string
      example: 9
    defaultPccRuleArpPreemptCap:
      type: string
      example: NOT_PREEMPT
      enum:
        - NOT_PREEMPT
        - MAY_PREEMPT
    defaultPccRuleArpPreemptVuln:
      type: string
      example: PREEMPTABLE
      enum:
        - PREEMPTABLE
        - NOT_PREEMPTABLE
    defaultPccRuleArpPriorityLevel:
      type: string
      example: 15
    defaultPccRulePrecedence:
      type: string
      example: 3000
    installDefaultPccRule:
      type: string
      enum:
        - ALWAYS
        - IF_NO_PROVISIONED_RULE
        - IF_NO_RULE
        - NEVER
    ruleIdPrefix:
      type: string
      example: 0_
    switchFlowInToOutEnabled:
      type: boolean

```

```

    title: RuleConfiguration
SearchCriteria:
  type: object
  properties:
    baseDN:
      type: string
    key_replace_ptn:
      type: string
    key_transform_ptn:
      type: string
    rootDN:
      type: string
  type: string
  enum:
    - NAI
    - MSISDN
    - IMSI
  title: SearchCriteria
SearchFilter:
  type: object
  properties:
    apn_filters_expr:
      type: array
      items:
        type: string
    id_filters_expr:
      type: array
      items:
        type: string
    id_filters_type:
      type: string
  enum:
    - NAI
    - MSISDN
    - IMSI
  title: SearchFilter
ServiceAreaRestriction:
  type: object
  required:
    - name
  properties:
    areas:
      type: array
      items:
        $ref: '#/definitions/ServiceAreaRestrictionAreas'
    description:
      type: string
    maxNumOfTAs:
      type: number
    name:
      type: string
    restrictionType:
      type: string
  enum:

```

```

        - ALLOWED_AREAS
        - NOT_ALLOWED_AREAS
    title: ServiceAreaRestriction
ServiceAreaRestrictionAreas:
    type: object
    properties:
        areaCodes:
            type: string
        tacs:
            type: array
            items:
                type: string
    title: ServiceAreaRestrictionAreas
SessionManagementService:
    type: object
    properties:
        binding:
            $ref: '#/definitions/BindingConfiguration'
        charging:
            $ref: '#/definitions/ChargingConfiguration'
        imsEmergencySession:
            $ref: '#/definitions/IMSEmergencySessionConfiguration'
        policy:
            $ref: '#/definitions/Policy'
        policyControlRequestTrigger:
            $ref: '#/definitions/PolicyControlRequestTrigger'
        qos:
            $ref: '#/definitions/QOSConfiguration'
        rule:
            $ref: '#/definitions/RuleConfiguration'
        system:
            $ref: '#/definitions/SystemConfiguration'
        trafficControl:
            $ref: '#/definitions/TrafficControlConfiguration'
        user:
            $ref: '#/definitions/UserConfiguration'
    title: SessionManagementService
SessionRule:
    type: object
    required:
        - name
        - sessRuleId
    properties:
        authDefQosId:
            type: string
        authSessAmbr:
            $ref: '#/definitions/AuthSessAmbr'
        description:
            type: string
        name:
            type: string
        refCondData:
            type: string
        sessRuleId:
            type: string

```

```

    title: SessionRule
  SessionRuleProfile:
    type: object
    required:
      - name
    properties:
      authDefQosId:
        type: string
      authSessAmbr:
        $ref: '#/definitions/AuthSessAmbr'
      description:
        type: string
      name:
        type: string
      refCondData:
        type: string
      sessRuleProfileId:
        type: string
    title: SessionRuleProfile
  SystemConfiguration:
    type: object
    properties:
      apiRoot:
        type: string
      componentTracingEnabled:
        type: boolean
      logLevel:
        type: string
        enum:
          - DEBUG
          - INFO
          - WARN
          - ERROR
      metricsEnabled:
        type: boolean
      overrideSupportedFeatures:
        type: string
      pcf_diamidentity:
        type: string
        example: pcf-smsservice
      pcf_diamrealm:
        type: string
        example: pcf-smsservice.svc
      pcf_fqdn:
        type: string
        example: pcf-smsservice.pcf
      process400as200:
        type: boolean
      smfTerminateUriSegment:
        type: string
        example: terminate
      smfUpdateUriSegment:
        type: string
        example: update
      snssai:

```

```

        type: string
        example: '0,000000'
    title: SystemConfiguration
TrafficControlConfiguration:
    type: object
    properties:
        tcDataIdPrefix:
            type: string
            example: tcdata_
    title: TrafficControlConfiguration
TrafficControlData:
    type: object
    required:
        - name
    properties:
        description:
            type: string
        flowStatus:
            type: string
            enum:
                - ENABLED-UPLINK
                - ENABLED-DOWNLINK
                - ENABLED
                - DISABLED
                - REMOVED
        muteNotif:
            type: boolean
        name:
            type: string
        redirectInfo:
            $ref: '#/definitions/RedirectInfo'
        routeToLocs:
            type: array
            items:
                $ref: '#/definitions/RouteToLocs'
        tcId:
            type: string
        trafficSteeringPolIdDl:
            type: string
        trafficSteeringPolIdUl:
            type: string
        upPathChgEvent:
            $ref: '#/definitions/UpPathChgEvent'
    title: TrafficControlData
TrafficDescriptorComponent:
    type: object
    title: TrafficDescriptorComponent
TrafficDescriptorIE:
    type: object
    properties:
        trafficDescriptorType:
            type: string
            enum:
                - MATCH_ALL
                - OS_ID_OS_APP_ID

```



```

- IPV4_REMOTE_ADDRESS
- IPV6_REMOTE_ADDRESS
- PROTOCOL_IDENTIFIER
- SINGLE_REMOTE_PORT
- REMOTE_PORT_RANGE
- SECURITY_PARAMETER_INDEX
- TYPE_OF_SERVICE_CLASS
- FLOW_LABEL
- DESTINATION_MAC_ADDRESS
- T_802_1Q_C_TAG_VID
- T_802_1Q_S_TAG_VID
- ETHERTYPE
- DNN
- CONNECTION_CAPABILITIES
- DESTINATION_FQDN
- OS_APP_ID
- T_802_1Q_C_TAG_PCP_DEI
- T_802_1Q_S_TAG_PCP_DEI
value:
  $ref: '#/definitions/TrafficDescriptorComponent'
title: TrafficDescriptorIE
UDRConfiguration:
  type: object
  properties:
    amDataUri:
      type: string
      example: '/policy-data/ues/{ueId}/am-data'
    baseUri:
      type: string
      example: /nudr-dr/v1
    enableDiscoveryOnDemand:
      type: boolean
    enableHttp11:
      type: boolean
    explodeSnssai:
      type: boolean
    requestTimeout:
      type: string
      example: 1000
    smDataUri:
      type: string
      example: '/policy-data/ues/{ueId}/sm-data'
    subsToNotifySubsIdUri:
      type: string
      example: '/policy-data/subs-to-notify/{subsId}'
    subsToNotifyUri:
      type: string
      example: /policy-data/subs-to-notify
    supportedFeatures:
      type: string
      example: f
    uePolicySetUri:
      type: string
      example: '/policy-data/ues/{ueId}/ue-policy-set'
    usageMonUri:

```

```

        type: string
        example: '/policy-data/ues/{ueId}/sm-data/{usageMonId}'
    title: UDRConfiguration
UEPolicyService:
    type: object
    properties:
        amf:
            $ref: '#/definitions/AMFConfiguration'
        system:
            $ref: '#/definitions/UEPolicyServiceSystemConfiguration'
        user:
            $ref: '#/definitions/UserUEPolicyServiceConfiguration'
    title: UEPolicyService
UEPolicyServiceSystemConfiguration:
    type: object
    properties:
        loglevel:
            type: string
            example: WARN
            enum:
                - DEBUG
                - INFO
                - WARN
                - ERROR
        notifUriRoot:
            type: string
    title: UEPolicyServiceSystemConfiguration
UpPathChgEvent:
    type: object
    properties:
        dnaiChgType:
            type: string
            enum:
                - EARLY
                - EARLY_LATE
                - LATE
        notifCorreId:
            type: string
        notificationUri:
            type: string
    title: UpPathChgEvent
Upsi:
    type: object
    required:
        - name
        - plmn
        - upsc
    properties:
        name:
            type: string
        plmn:
            $ref: '#/definitions/Plmn'
        upsc:
            type: integer
            format: int32

```

```

        description: Enter a value between 0 and 65535.
    urspRules:
        type: array
        items:
            type: string
    title: Upsi
    Ursp:
        type: object
        required:
            - name
            - precedence
        properties:
            name:
                type: string
            precedence:
                type: integer
                format: int32
                description: Enter a value between 0 and 255.
            routeSelectionDescriptorList:
                type: array
                items:
                    $ref: '#/definitions/UrspRouteSelectionDescriptorList'
            trafficDescriptors:
                type: array
                items:
                    $ref: '#/definitions/TrafficDescriptorIE'
    title: Ursp
    UrspRouteSelectionDescriptorList:
        type: object
        properties:
            routePrecedence:
                type: integer
                format: int32
            routeSelectionDescriptorComponents:
                type: array
                items:
                    $ref: '#/definitions/RouteSelectionDescriptorComponentIE'
    title: UrspRouteSelectionDescriptorList
    UsageMonitoringData:
        type: object
        required:
            - name
        properties:
            description:
                type: string
            exUsagePccRuleIds:
                type: array
                items:
                    type: string
            inactivityTime:
                type: string
            monitoringTime:
                type: string
            name:
                type: string

```

```
nextTimeThreshold:
  type: string
nextVolThreshold:
  type: integer
  format: int64
  description: Enter a value between 0 and 9223372036854775807
nextVolThresholdDownlink:
  type: integer
  format: int64
  description: Enter a value between 0 and 9223372036854775807
nextVolThresholdUplink:
  type: integer
  format: int64
  description: Enter a value between 0 and 9223372036854775807
timeThreshold:
  type: string
umId:
  type: string
volumeThreshold:
  type: integer
  format: int64
  description: Enter a value between 0 and 9223372036854775807
volumeThresholdDownlink:
  type: integer
  format: int64
  description: Enter a value between 0 and 9223372036854775807
volumeThresholdUplink:
  type: integer
  format: int64
  description: Enter a value between 0 and 9223372036854775807
title: UsageMonitoringData
UserConfiguration:
  type: object
  properties:
    enableChfQueryAll:
      type: boolean
    ignoreSubsNotificationCheck:
      type: boolean
    queryUser:
      type: boolean
    queryUserOnDelete:
      type: boolean
    queryUserOnReauth:
      type: boolean
    queryUserOnUpdate:
      type: boolean
    subsToNotifyEnabled:
      type: boolean
    validateUser:
      type: boolean
  title: UserConfiguration
UserService:
  type: object
  properties:
    common:
```

```
    $ref: '#/definitions/CommonConfiguration'
  db:
    $ref: '#/definitions/DBConfiguration'
  system:
    $ref: '#/definitions/UserSystemConfiguration'
  udr:
    $ref: '#/definitions/UDRConfiguration'
  title: UserService
UserSystemConfiguration:
  type: object
  properties:
    apiRoot:
      type: string
    logLevel:
      type: string
      enum:
        - DEBUG
        - INFO
        - WARN
        - ERROR
  title: UserSystemConfiguration
UserUEPolicyServiceConfiguration:
  type: object
  properties:
    queryUser:
      type: boolean
    validateUser:
      type: boolean
  title: UserUEPolicyServiceConfiguration
```