Oracle® Communications

Network Analytics Suite Release Notes

Release 24.2.x

F96692-03

February 2025

Oracle Communications Network Analytics Suite Release Notes, Release 24.2.x

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Contents

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What's New in This Guide

Release 24.2.0.0.1 - F96692-03, February 2025

OCNADD 24.2.0.0.1 Release

Updated the following sections with the details of OCNADD release 24.2.0.0.1:

- OCNADD Feature Descriptions
- Media Pack
- Compatibility Matrix
- Common Microservices Load Lineup
- Security Certification Declaration
- Resolved Bug List
- Known Bug List

Release 24.2.2 - F96692-02, Novemeber 2024

OCNWDAF 24.2.2 Release

Updated the following sections with the details of OCNWDAF CPU patch release 24.2.2:

- OCNWDAF Feature Descriptions
- Media Pack
- Compatibility Matrix
- Common Microservices Load Lineup
- Resolved Bug List
- Known Bug List

OCNADD 24.2.0 Release

Updated the following sections with the details of OCNADD release 24.2.0:

- OCNADD Feature Descriptions
- Media Pack
- Compatibility Matrix
- Common Microservices Load Lineup
- Security Certification Declaration
- Resolved Bug List
- Known Bug List

Release 24.2.0 - F96692-01, July 2024

OCNWDAF 24.2.0 Release

Updated the following sections with the details of OCNWDAF release 24.2.0:

- OCNWDAF Feature Descriptions
- Media Pack

- Compatibility Matrix
- Common Microservices Load Lineup
- Security Certification Declaration
- Resolved Bug List
- Known Bug List

OCNADD 24.2.0 Release

Updated the following sections with the details of OCNADD release 24.2.0:

- OCNADD Feature Descriptions
- Media Pack
- Compatibility Matrix
- Common Microservices Load Lineup
- Security Certification Declaration
- Resolved Bug List
- Known Bug List

1 Introduction

This document provides information about new features and enhancements to the existing features for Oracle Communications Network Analytics Suite products.

It also includes details related to media pack, common services, security certification declaration, and documentation pack. The detailed information of the fixes are included in the Resolved Bug List section. For issues that are not yet addressed, see the Customer Known Bug List.

For information on how to access key Oracle sites and services, see My Oracle Support.

2
Feature Descriptions

This chapter provides a summary of new features and updates to the existing features for Network Analytics Suite products released in 24.2.x.

2.1 OCNWDAF Feature Descriptions

Release 24.2.2

Oracle Communications Networks Data Analytics Function (NWDAF) 24.2.2 is a Critical Patch Update. Critical Patch Updates provide security patches for supported Oracle on-premises products. They are available to customers with valid support contracts.

For more information, see Critical Patch Updates, Security Alerts, and Bulletins.

Release 24.2.0

Oracle Communications Networks Data Analytics Function (NWDAF) 24.2.0 has been updated with the following enhancements:

- **Deployment in OCI using OCI Adaptor**: Oracle Cloud Infrastructure (OCI) is a set of complementary cloud services that enable you to build and run a range of applications and services in a High Availability (HA) hosted environment. OCNWDAF can be integrated into the OCI using the OCI Adaptor. For more information on deploying OCNWDAF on OCI, see *Oracle Communications Networks Data Analytics Function User Guide* and *Oracle Communications Networks Data Analytics Function Installation, Upgrade, and Fault Recovery Guide*.
- **Support for TLS 1.3**: Network Functions (NFs) or peers use Hypertext Transfer Protocol Secure (HTTPS) to establish secured ingress and egress connections with consumer NFs and producer NFs, respectively. These communication protocols are encrypted using Transport Layer Security (TLS). The OCNWDAF now supports TLS 1.3 on the Ingress and Egress interfaces. For more information, see *Oracle Communications Networks Data Analytics Function User Guide*. To configure TLS 1.3 support, see *Oracle Communications Networks Data Analytics Function Installation, Upgrade, and Fault Recovery Guide*.
- **Support for Model C Communication**: 5G Service Based Interface (SBI) communication models are used to establish connections among NFs and NF services. These communication models facilitate consumer NFs to route service requests to producer NFs either directly or indirectly through the Service Communication Proxy (SCP). The OCNWDAF now supports the Model C communication model. Model C is an indirect communication model in which consumers can query the NRF to perform NF discovery (delegated discovery) or the consumers can directly send service requests to the SCP without NRF discovery. The SCP is located between the OCNWDAF and the producer NFs, and data is collected from them. For more information, see *Oracle Communications Networks Data Analytics Function User Guide*. To enable or disable this feature, see *Oracle Communications Networks Data Analytics Function Installation, Upgrade, and Fault Recovery Guide*.
- **SNMP Support**: Simple Network Management Protocol (SNMP) is an application-layer protocol designed for monitoring and managing network devices within a Local Area Network (LAN) or Wide Area Network (WAN). OCNWDAF forwards the Prometheus alerts

as Simple Network Management Protocol (SNMP) traps to the southbound SNMP servers. The Prometheus Alert Manager is integrated with Oracle Communications Cloud Native Core, Cloud Native Environment (CNE) snmp-notifier service. The external SNMP servers are set up to receive the Prometheus alerts as SNMP traps. For more information, see *Oracle Communications Networks Data Analytics Function User Guide*.

- **Enhanced NF Load Analytics**: The Oracle Communications Network Analytics Data Director (OCNADD) can be configured as a data source for NF load analytics. When OCNADD is configured as a data source, the NF Load Analytics information in the OCNWDAF GUI is enhanced to include information such as Round Trip Time (RTT), Observed Transactions Per Second (OTPS), NF Load information, and Error Rates (only for UDM). A graphical representation of all these NF Load analytics parameters is displayed on the OCNWDAF GUI. The OCNADD has to be configured with specific filters and correlations for this enhancement. A new ML model, SARIMAX, is introduced for NF Load analytics. For more information, see *Oracle Communications Networks Data Analytics Function User Guide*.
- **Upgrade Support**: The OCNWDAF now supports upgrade from the previous release. The pre-upgrade tasks, upgrade procedure, and the supported upgrade paths are documented in the *Oracle Communications Networks Data Analytics Function Installation, Upgrade, and Fault Recovery Guide*.
- **OCNWDAF GUI Enhancements**: The OCNWDAF GUI is enhanced with the following changes:
  - The OCNWDAF GUI is enhanced with two new pages for Dashboard and Alerts. The Dashboard page displays OCNWDAF's Key Performance Indicators (KPIs), offers the option to view real-time data, and allows users to filter the KPIs based on time interval, KPI interval, and refresh rate. The Alerts page displays the list of alerts generated by OCNWDAF.
  - The Slice Load Monitoring page displays different visualization styles of slice data. The Slice Load Monitoring Page now contains three tabs: Active Slices, Line Chart, and Tracking Areas.
  - The NF Load Dashboard screen displays the NF Load information, which includes NF instances and NF load level as peak and average load values. It has been enhanced to display graphs of Round Trip Time, Observed Transactions Per Second, Error Count (only for UDM), and NF Load. You can also obtain predictive analytics information by providing a Start Time and Forecasting Period in the GUI.
  - The Machine Learning (ML) Model Selector page is updated with a new ML Model, "SARIMAX," for NF Load analytics.

  For more information, see *Oracle Communications Networks Data Analytics Function User Guide*.

2.2 OCNADD Feature Descriptions

Release 24.2.0.0.1

Oracle Communications Network Analytics Data Director (OCNADD) 24.2.0.0.1 has been updated with the following enhancements:

- **Model D Support:** Model D implies indirect communication with delegated discovery; consumers do not perform discovery or selection. Discovery is delegated to the SCP, which performs the discovery via NRF and selects the suitable producer instance based on the parameters sent by the consumer. The SCP in Model D takes over the whole process of NF discovery and selection. In addition, the discovery and selection processes are handled using one request, unlike Model C, which necessitates two separate requests.

The SCP Model-D support has been added in following OCNADD features:

- Message Sequencing
- Correlation
- dd-metadata-list

For more information, see the "SCP Model-D Support" section in the *Oracle Communications Network Analytics Data Director User Guide.*

Release 24.2.0

Oracle Communications Network Analytics Data Director (OCNADD) 24.2.0 has been updated with the following enhancements:

- **Data Export Feature**: The Data Export Service enables to export xDRs in CSV or PCAP formats, representing transactions, calls, or sessions, with or without messages. This feature enhances network visibility and observability, offering deep insights for network troubleshooting by tracing network scenarios across multiple NFs, generating KPIs for utilization, and supporting revenue assurance and advanced analytics. For more information, see the "Export" section in the *Oracle Communications Network Analytics Data Director User Guide*.
- **Trace Feature**: The Data Trace feature allows visualization of trace records with or without messages in the OCNADD UI, representing transactions, calls, or sessions. This visualization provides deep insights into the customer network, aiding in network troubleshooting by tracing scenarios across multiple NFs and generating KPIs for network utilization and load. It also supports revenue assurance and advanced analytics, enhancing overall network visibility and observability. For more information, see the "Trace" section in the *Oracle Communications Network Analytics Data Director User Guide*.
- **Extended Storage**: The extended storage feature provides storage extension in the Data Director. At present, Kafka provides retention up to 6 hours; however, there is a need for storage for a longer duration. This feature will provide additional storage for the xDRs and corresponding PDUs, which will be used by Data Export feature to export xDRs in CSV or PCAP formats, representing transactions, calls, or sessions, with or without messages. This feature also enables enhanced network visibility and observability. For more information, see "Extended xDR Storage" section in the *Oracle Communications Network Analytics Data Director User Guide*.
- **Metadata Enrichment Feature**: The Metadata Enrichment Framework adds extra information to messages for processing without examining the entire message. This metadata helps in enrichment, filtering, and correlation of transactions, thus improving the network troubleshooting for third-party applications that use Data Director feeds. It enriches messages when NF metadata is incomplete by inspecting message headers or bodies. Further, it provides the additional metadata as a separate JSON structure. For more information, see the "Data Director Metadata Enrichment" section in the *Oracle Communications Network Analytics Data Director User Guide*.
- **Ingress Adapter Feature**: The Ingress Adapter, a component of Data Director, extends its capabilities to process data from various third-party Network Functions (NFs). These NFs provide data in HTTP/2 format with predefined custom headers. The Ingress Adapter transforms this data into a format supported by Data Director, enabling internal OCNADD services to further process it effectively. For more information, see the "Third-party NF Data Processing Through Ingress Adapter" section in the *Oracle Communications Network Analytics Data Director User Guide*.
- **OCCM Support**: OCNADD supports authentication and authorization procedures, including TLS, OAuth2, and CCA, using key pairs and X.509 certificates issued by trusted authorities (Certificate Authority (CA)). To comply with security standards, these certificates

must be periodically renewed as they can be revoked, if compromised. This feature integrates OCNADD with Oracle Communications Certificate Manager (OCCM) to automate the entire certificate lifecycle management—creation, renewal, revocation, and removal using CMPv2 procedures, ensuring continuous service availability and adherence to security recommendations. OCCM automates key-pair generation, certificate enrollment, and distribution to NFs, efficiently managing certificates and preventing service disruptions. For more information, see *Oracle Communications Network Analytics Data Director Installation, Upgrade, and Fault Recovery Guide*.

- **Filtering Enhancements**: This release introduces several filtering enhancements, including changes to attribute names and new matching capabilities. These enhancements improve filtering precision and flexibility, supporting advanced use cases and better data management. For more information, see the "Filter Enhancement" section of the "Data Filtering" feature in the *Oracle Communications Network Analytics Data Director User Guide*.
- **OCNADD UI Dashboard support on Oracle Cloud Infrastructure (OCI)**: In addition to Cloud Native Environment (CNE), OCNADD dashboards can now be used within the OCI environment. The Data Director UI shall integrate with OCI monitoring service and fetch the metrics to display on the various dashboards. For more information about support for OCI, see *Oracle Communications Network Analytics Data Director User Guide* and *Oracle Communications Network Analytics Data Director Installation, Upgrade, and Fault Recovery Guide*.
- **Performance Improvements**: Performance figures were benchmarked and added to the benchmarking guide:
  - HTTP2 Feed 135K MPS with replication
  - Synthetic feed 135K MPS with replication
  - Message Sequencing with 135K MPS (Note that additional latency may be observed because of sequencing)

  For more information, see the *Oracle Communications Network Analytics Data Director Benchmarking Guide*.

3
Media and Documentation

3.1 Media Pack

This section lists the media package for Network Analytics Suite release 24.2.x. To download the media package, see My Oracle Support (MOS).

To learn how to access and download the media package from MOS, see Accessing Documents on MoS.

> **Note:**
>
> The information provided in this section is accurate at the time of release but is subject to change. See the Oracle software delivery website for the latest information.

Table 3-1 Media Pack Contents for OCNWDAF 24.2.x

Description	NF Version	ATS Package Version	Upgrade Supported
Oracle Communications Network Data Analytics Function (OCNWDAF)	24.2.2	24.2.0	OCNWDAF 24.2.2 supports fresh installation and upgrade from 24.1.x and 24.2.0. For more information, see *Oracle Communications Networks Data Analytics Function Installation and Fault Recovery Guide*.
Oracle Communications Network Data Analytics Function (OCNWDAF)	24.2.0	24.2.0	OCNWDAF 24.2.0 supports fresh installation and upgrade from 24.1.x. For more information, see *Oracle Communications Networks Data Analytics Function Installation and Fault Recovery Guide*.

Table 3-2 Media Pack Contents for OCNADD 24.2.x

Description	Version	ATS Version	Upgrade Supported
Oracle Communications Network Analytics Data Director (OCNADD)	24.2.0.0.1	24.2.0	OCNADD 24.2.0.0.1 supports upgrade from 24.2.0. For more information, see *Oracle Communications Network Analytics Data Director Installation, Upgrade, and Fault Recovery Guide*.
Oracle Communications Network Analytics Data Director (OCNADD)	24.2.0	24.2.0	OCNADD 24.2.0 supports upgrade from 24.1.0 and 23.4.x. For more information, see *Oracle Communications Network Analytics Data Director Installation, Upgrade, and Fault Recovery Guide*.

3.2 Compatibility Matrix

The following table lists the compatibility matrix for OCNWDAF:

Table 3-3 Compatibility Matrix for OCNWDAF 24.2.x

NF Version	CNE	cnDBTier	OCI	OSO	ASM S/W	Kubernetes	OCCM	CNC Console	PCF	SCP	NRF	SEPP	OCNADD
24.2.2	• 24.1.0	• 24.1.0	24.1.x	NA	NA	• 1.28.x • 1.27.x • 1.26.x	NA	• 24.2.x • 24.1.x • 23.3.x	• 24.1.x • 23.3.x	• 24.2.0 • 24.1.0 • 23.4.0	• 23.4.0 • 23.3.0 • 23.2.x • 23.1.x	NA	24.2.0

Table 3-3 (Cont.) Compatibility Matrix for OCNWDAF 24.2.x

NF Version	CNE	cnDBTier	OCI	OSO	ASM S/W	Kubernetes	OCCM	CNC Console	PCF	SCP	NRF	SEPP	OCNADD
24.2.0	• 24.1.0	• 24.1.0	24.1.x	NA	NA	• 1.26.x • 1.25.x • 1.24.x	NA	• 24.2.0 • 24.1.0 • 23.3.x • 23.2.x	• 24.1.x • 23.3.x	• 24.2.0 • 24.1.0 • 23.4.0	• 23.4.0 • 23.3.0 • 23.2.x • 23.1.x	NA	24.2.0

3GPP Compatibility Matrix

The following table lists the 3GPP compatibility matrix for OCNWDAF:

Table 3-4 3GPP Compatibility Matrix

NF	NF Version	3GPP
OCNWDAF	24.2.x	• 3GPP TS 23.288 v16 • 3GPP TS 23.288 v17.4.0 • 3GPP TS 29.520 v17.6.0 • 3GPP TS 29.508 v17.5.0 • 3GPP TS 29.518 v17.5.0 • 3GPP TS 23.501 v17.5.0 • 3GPP TS 23.502 v17.4.0 • 3GPP TS 33.521 v17.1.0

> **Note:**
>
> For seamless integration and optimal performance of CNC NFs on third party platform, the third party platform needs to be compatible with the specified Kubernetes version.

The following table lists the compatibility matrix for OCNADD:

Table 3-5 Compatibility Matrix for OCNADD 24.2.x

Version	CNE	cnDBTier	OSO CI Adapter	ASM S/W	Kubernetes	OCNC Console	SCP	NRF	SEPP
24.2.0.0.1	• 24.2.0 • 24.1.0 • 23.4.0	• 24.2.0 • 24.1.0 • 23.4.0	2NA4.2.x	NA	• 1.29.x • 1.28.x • 1.27.x	24.2.0 24.1.0 23.4.0	• 24.2.0 • 24.1.0 • 23.4.0	• 24.2.0 • 24.1.0 • 23.4.0	• 24.2.0 • 24.1.0 • 23.4.0
24.2.0	• 24.2.0 • 24.1.0 • 23.4.0	• 24.2.0 • 24.1.0 • 23.4.0	2NA4.2.x	NA	• 1.29.x • 1.28.x • 1.27.x	24.2.0 24.1.0 23.4.0	• 24.2.0 • 24.1.0 • 23.4.0	• 24.2.0 • 24.1.0 • 23.4.0	• 24.2.0 • 24.1.0 • 23.4.0

3GPP Compatibility Matrix

The following table lists the 3GPP compatibility matrix:

Table 3-6 3GPP Compatibility Matrix

NF	NF Version	3GPP
OCNADD	24.2.x	NA
SCP	• 24.2.x • 24.1.x • 23.4.x	Release 16 compliant
NRF	• 24.2.x • 24.1.x • 23.4.x	Release 16 compliant
SEPP	• 24.2.x • 24.1.x • 23.4.x	Release 16 compliant

Note:

- For the data being sent from NRF, GZIP compression is turned off within the NRF.
- For the data being sent from SCP, OCNADD copies the base64 encoded compressed “5g-sbi- message” to the third party consumer without decoding.
- For seamless integration and optimal performance of CNC NFs on third party platform, the third party platform needs to be compatible with the specified Kubernetes version.

3.3 Common Microservices Load Lineup

This section provides information about common microservices and ATS for OCNWDAF Release 24.2.x.

Table 3-7 Common Microservices Load Lineup for OCNWDAF 24.2.x

NF Version	Alternate Route SVC	App-Info	ASM Configuration Chart	ATS Framework	Config-Server	Debug-tool	Egress Gateway	Ingress Gateway	Helm Test	Mediation	NRF-Client	Perf-Info
24.2.2	NA	NA	NA	24.2.0	NA	1.2.3	24.1.0	24.1.0	22.4.0	NA	23.4.2	NA
24.2.0	NA	NA	NA	24.2.0	NA	1.2.3	24.1.0	24.1.0	22.4.0	NA	23.4.2	NA

This section provides information about common microservices and ATS for OCNADD release 24.2.x:

Table 3-8 Common Microservices Load Lineup for OCNADD 24.2.x

Version	Alternate Route SVC	App-Info	ASM Configuration Chart	ATS Framework	Config-Server	Debug-tool	Egress Gateway	Ingress Gateway	Helm Test	Mediation	NRF-Client	Perf-Info
24.2.0.0.1	NA	NA	NA	24.2.0	NA	NA	NA	NA	NA	NA	NA	NA
24.2.0	NA	NA	NA	24.2.0	NA	NA	NA	NA	NA	NA	NA	NA

3.4 Security Certification Declaration

The following table lists the security tests and the corresponding dates of compliance for OCNWDAF:

Table 3-9 Security Certification Declaration for OCNWDAF 24.2.0

Compliance Test Description	Test Completion Date	Summary
Static Source Code Analysis *Additional Information: Assesses adherence to common secure coding standards*	05 Mar, 2024	No unmitigated critical or high findings.
Dynamic Analysis (including fuzz testing) *Additional Information: Tests for risk of common attack vectors such as OWASP Top 10 and SANS 25*	05 Mar, 2024	No unmitigated critical or high findings.
Vulnerability Scans *Additional Information: Scans for CVEs in embedded 3rd party components*	05 Mar, 2024	No unmitigated critical or high findings.
Malware Scans *Additional Information: Scans all deliverable software packages for the presence of known malware*	05 Mar, 2024	No unmitigated critical or high findings.

Overall Summary: No critical or severity 1 security issues were found or pending during internal security testing.

The following table lists the security tests and the corresponding dates of compliance for OCNADD:

Table 3-10 Security Certification Declaration for OCNADD 24.2.0

Compliance Test Description	Test Completion Date	Summary
Static Source Code Analysis *Additional Information: Assesses adherence to common secure coding standards*	13 June, 2024	Some mitigated high severity issues (No: 386841297) are present.
Dynamic Analysis (including fuzz testing) *Additional Information: Tests for risk of common attack vectors such as OWASP Top 10 and SANS 25*	22 May, 2024	No unmitigated critical or high findings

Table 3-10 (Cont.) Security Certification Declaration for OCNADD 24.2.0

Compliance Test Description	Test Completion Date	Summary
Vulnerability Scans *Additional Information: Scans for CVEs in embedded 3rd party components*	14 June, 2024	Mitigated high severity issue. CVE-2024-22233 No impact as OCNADD uses TLS. An application is vulnerable when: • The application uses Spring MVC * Spring Security 6.1.6+ or 6.2.1+ and is on the classpath. OCNADD does not use Spring Security. • Spring Boot applications require *org.springframework.boot:spring-boot-starter-web* and *org.springframework.boot:spring-boot-starter-security* dependencies to meet all conditions. OCNADD does not use *spring-boot-starter-web* and/or *spring-boot-starter-security*.
Malware Scans *Additional Information: Scans all deliverable software packages for the presence of known malware*	14 June, 2024	No unmitigated critical or high findings

Overall Summary: No critical or severity 1 security issues were found or pending during internal security testing.

3.5 Documentation Pack

All documents for Network Analytics Suite 24.2.x available for download from the Secure Sites and My Oracle Support (MOS).

To learn how to access and download the documents from SecureSites, see Oracle Users or Non-Oracle users.

To learn how to access and download the documentation pack from MOS, see Accessing NF Documents on MOS.

4
Resolved and Known Bugs

This chapter lists the resolved and known bugs for Network Analytics Suite Release 24.2.x.

These lists are distributed to customers with a new software release at the time of General Availability (GA) and are updated for each maintenance release.

4.1 Severity Definitions

Service requests for supported Oracle programs may be submitted by you online through Oracle's web-based customer support systems or by telephone. The service request severity level is selected by you and Oracle and should be based on the severity definitions specified below.

Severity 1

Your production use of the supported programs is stopped or so severely impacted that you cannot reasonably continue work. You experience a complete loss of service. The operation is mission critical to the business and the situation is an emergency. A Severity 1 service request has one or more of the following characteristics:

- Data corrupted.
- A critical documented function is not available.
- System hangs indefinitely, causing unacceptable or indefinite delays for resources or response.
- System crashes, and crashes repeatedly after restart attempts.

Reasonable efforts will be made to respond to Severity 1 service requests within one hour. For response efforts associated with Oracle Communications Network Software Premier Support and Oracle Communications Network Software Support & Sustaining Support, please see the Oracle Communications Network Premier & Sustaining Support and Oracle Communications Network Software Support & Sustaining Support sections above.

Except as otherwise specified, Oracle provides 24 hour support for Severity 1 service requests for supported programs (OSS will work 24x7 until the issue is resolved) when you remain actively engaged with OSS working toward resolution of your Severity 1 service request. You must provide OSS with a contact during this 24x7 period, either on site or by phone, to assist with data gathering, testing, and applying fixes. You are requested to propose this severity classification with great care, so that valid Severity 1 situations obtain the necessary resource allocation from Oracle.

Severity 2

You experience a severe loss of service. Important features are unavailable with no acceptable workaround; however, operations can continue in a restricted fashion.

Severity 3

You experience a minor loss of service. The impact is an inconvenience, which may require a workaround to restore functionality.

Severity 4

You request information, an enhancement, or documentation clarification regarding your software but there is no impact on the operation of the software. You experience no loss of service. The result does not impede the operation of a system.

4.2 Resolved Bug List

This section provides information on the resolved bugs in Network Analytics Suite products release 24.2.x.

OCNWDAF Resolved Bugs

OCNWDAF Resolved Bugs for OCNWDAF 24.2.2

OCNWDAF 24.2.2 is a Critical Patch Update. Critical Patch Updates provide security patches for supported Oracle on-premises products. They are available to customers with valid support contracts.

For more information, see Critical Patch Updates, Security Alerts, and Bulletins.

Table 4-1 OCNWDAF Resolved Bugs for OCNWDAF 24.2.0

Bug ID	Title	Description	Severity	Found in Release
36718361	network_performance doesn't create statistics if time is not exact	Creation of a single statistics subscription for NWP was not possible if you didn't provide the exact time of a report or if you didn't provide start date older than the report.	3	24.2.0
36422348	UI Capex changing tabs styles	When selected either View UE Group details or Analytics tab in Capex Optimization page, the style of the monitoring tabs was modified, which was inconsistent with how the UI worked.	4	24.1.0
36451109	CVE-2024-29025 Netty DoS	Netty DoS occurred due to insufficient restrictions on the amount of memory.	4	24.1.0

OCNADD Resolved Bugs

OCNADD Resolved Bugs for OCNADD 24.2.0.0.1

Table 4-2 OCNADD Resolved Bugs for OCNADD 24.2.0.0.1

Bug ID	Title	Description	Severity	Found in Release
36935974	DD Metadata Support should be added in Windowing based Message Ordering	The currently the windowing based message ordering does not provide the support for adding OCNADD metadata, the functionality has been enhanced.	ENH	24.2.0

OCNADD Resolved Bugs for OCNADD 24.2.0

Table 4-3 OCNADD Resolved Bugs for OCNADD 24.2.0

Bug ID	Title	Description	Severity	Found in Release
36481692	Malformed Data in Message sent to monitoring system (with strange characters) when path is too long and has special characters	The decoding of the long URL strings was not working correctly, resulting in junk characters. When there was a message with a long URL with special characters, it displayed strange characters.	3	23.4.0
36431442	GUI created data feed with round-robin logic of consumer adapter fails	On creating the consumer feed from the UI with two destination endpoints and round-robin as load balance type, the load factor was appearing as null for one of the endpoints.	3	23.4.0
36372176	DD-UI: Pre-defined value for egress filters are not saved via kafka-template	While creating kafka template, if we provided filter as message direction and value as TxRequest, and so on, the configuration was saved, but the filter was not applied. If the user opened the configuration in edit mode, the value for message direction was not present.	3	23.4.0
36361882	The Kafka feed status is showing inactive even if it is properly processing traffic	The status of the Kafka feed was displayed as inactive even when it was active.	3	24.1.0
36323339	Correlation configuration created without Kafka-feed at primary site	The correlation configuration and Kafka feed creation were managed by different API calls. In this case, the Kafka feed creation on the primary site had failed as the maximum number of Kafka feeds exceeded; however, the correlation configuration was created successfully.	3	24.1.0
36251097	DD-GUI: Unable to create feed with third-party destination having number in namespace	The UI was not supporting the destination endpoint if the feed name contained FQDN with namespace starting with a number.	3	24.1.0
36108512	Higher latencies up to 2 seconds reported with 100K MPS DD traffic when DD and NFs are deployed in the same cluster	The higher latency values were seen with replicated HTTP2 feeds. This was observed in the cluster when all the NFs and DD were deployed in the same cluster. The network was throttled, causing the latency to go up.	3	23.4.0

Table 4-3 (Cont.) OCNADD Resolved Bugs for OCNADD 24.2.0

Bug ID	Title	Description	Severity	Found in Release
36103165	DD feed goes down and does not recover (name resolution issue?)	It was observed that a DD's consumer adapter sometimes stopped the traffic to a particular third- party application. The third-party application frequently closed the connection with the DD consumer adapter for the synthetic feed. This resulted in the Kafka consumer feed detaching from the consumer group and stopped reading the traffic.	3	23.4.0
36008271	Synthetic feed adapter stops sending packets	It was observed that a DD's consumer adapter sometimes stopped the traffic to a particular third-party application. The third-party application frequently closed the connection with the DD consumer adapter for the synthetic feed. This resulted in the Kafka consumer feed detaching from the consumer group and stopped reading the traffic.	3	23.4.0
36407210	Clone feed not cloning all default parameters in a new feed	When cloning a feed from a feed created using default parameters, the "Handshake Synthetisation" was disabled on a cloned feed.	4	24.1.0
36372697	DD-UI: Default values for TDR configuration not auto-filled when changed from SUDR to TDR (kafka-template)	The parameters for the TDR were not getting auto-filled when the mode of the correlation was changed from SUDR to TDR by using the kafka-templates for the configuration creation.	4	24.1.0
36475951	[OCI] For SYNTHETIC FEED and KAFKA FEED with 5K MPS traffic most of the memory utilization is more than 99%	The MQL query expression was not correct on the OCI dashboard.	4	24.1.0

4.3 Known Bug List

Known Bugs tables list the known bugs and associated Customer Impact Statements.

OCNWDAF 24.2.x Known Bugs

OCNWDAF Known Bugs for OCNWDAF 24.2.2

OCNWDAF 24.2.2 is a Critical Patch Update. Critical Patch Updates provide security patches for supported Oracle on-premises products. They are available to customers with valid support contracts.

For more information, see Critical Patch Updates, Security Alerts, and Bulletins.

Table 4-4 OCNWDAF 24.2.0 Known Bugs

Bug Number	Title	Description	Severity	Found in Release	Customer Impact
36422338	UI SLL Threshold notifications for DD subs missing nf_id	OCNWDAF uses the OCNADD as a data source. Currently, the OCNADD events do not contain the previously mentioned values.	3	24.2.0	No customer impact. **Workaround**: No workaround available.
36422333	Configuration_ manager cell table should not contain tac attribute	The `configuration_manager` cell table contains the tac attribute, which is duplicate data that must be deleted.	3	24.2.0	No customer impact. **Workaround**: No workaround available.
36680820	NWDAF - ATS version should be uplifted to the latest version	NWDAF - ATS version should be uplifted to the latest version.	3	24.2.0	No customer Impact. **Workaround**: Upgrade ATS to the latest version.

OCNADD Known Bugs

OCNADD 24.2.0.0.1 Known Bugs

Table 4-5 OCNADD 24.2.0.0.1 Known Bugs

Bug Number	Title	Description	Severity	Found in Release	Customer Impact
37278280	Export service stuck in sequential Init stage when MTLS is enabled	The export service remain in init state when MTLS is enabled	3	24.2.0	Export Functionality Will Not Work **Workaround**: 1. Edit the `ocnadd-export.yaml` file: `vim <path-to-dd-package>/ocnadd/charts/ocnaddexport/templates/ocnadd-export.yaml` 2. Replace the line: `bash init/seq_upg.bash ocnaddexport $OCNADD_VERSION M_TLS` With `[ $(curl -o /dev/null --silent -k -w '%{http_code}' --cert /var/securityfiles/certs/ocnaddexportservice-clientcert.pem --key /var/securityfiles/certs/ocnaddexportservice-clientprivatekey.pem https://`

Table 4-5 (Cont.) OCNADD 24.2.0.0.1 Known Bugs

Bug Number	Title	Description	Severity	Found in Release	Customer Impact
					`ocnaddconfiguration:12590/version) -eq 200 ]` 3. Upgrade or install the management group deployment using Helm.

OCNADD 24.2.0 Known Bugs

Table 4-6 OCNADD 24.2.0 Known Bugs

Bug Number	Title	Description	Severity	Found in Release	Customer Impact
36564047	Kafka-broker STS not pointing to headless service	The Kafka broker STS manifest incorrectly specifies the service name as kafka-broker instead of kafka-broker-headless, resulting in the pod's headless FQDN being not pingable. Ideally, it should point to the headless service.	3	23.4.0	It can lead to incorrect FQDNs and cause confusion for users. **Workaround**: No workaround available
36590208	Export functionality for csv/pcap not working when applied with filters	The filters function correctly; however, if a filter returns a small number of records in the export query, the export fails.	3	24.2.0	It can cause confusion for users who expect filtered exports to work seamlessly. **Workaround**: No workaround available
36606756	DD-GUI: Processing info should be shown if export configuration takes longer time to respond	The UI does not freeze while waiting for an API response to export configuration, allowing users to make additional configurations, potentially resulting in inconsistent setups.	3	24.2.0	It can lead to inconsistent configurations as users may perform multiple operations before the initial operation completes. **Workaround**: No workaround available

Table 4-6 (Cont.) OCNADD 24.2.0 Known Bugs

Bug Number	Title	Description	Severity	Found in Release	Customer Impact
36623369	DD GUI display issue in status and worker group name	Opening multiple sites in the same browser session shows the worker group name as that of the initially opened site. Additionally, the feed status "Fetching data" is incorrectly displayed on the UI.	3	23.4.0	Users will not receive accurate information on the UI. **Workaround:** Issue#1: Display issue of worker group Name: User needs to sign out of CNCC before displaying a different DD site. If multiple sites are opened in the same browser, it will show the worker group of the first site opened. Issue#2: Feed Status: No workaround available
36653996	OCNADD's Loss of Connection Alarm is not cleared automatically even when the service is up	The loss of connection alarm persists despite the service being operational.	3	24.2.0	Users may incorrectly believe the service has not started correctly. **Workaround**: No workaround available
36681307	Data Director GUI page states "No Worker Groups are installed" when there is a Worker Group	If a default worker group is used in centralized deployment, users are unable to select it and create configurations inside it.	3	23.4.0	Users will not be able to select the default worker group and create configurations inside it. **Workaround**: No workaround available
36697097	Kafka without zookeeper: DD worker group installation is stuck when installing without zookeeper	Worker group installation halts because certificates are not generated using OCCM.	3	24.2.0	No customer impact. **Workaround**: Create certificates manually using the generate_certs script.

Table 4-6 (Cont.) OCNADD 24.2.0 Known Bugs

Bug Number	Title	Description	Severity	Found in Release	Customer Impact
36697937	Perf: OCNADD aggregation pods spinning beyond 90% cpu with 135K Aggregation traffic	Aggregation service instances experience high resource utilization with high traffic rates (135K+ MPS).	3	24.2.0	The higher utilization may be necessary for some aggregation service instances. **Workaround**: Increase vCPUs in the aggregation service PODs.
36714462	DD GUI: L3L4 and Filter details are missing in Export Configuration Summary	While creating export configurations, users can view filter and L3L4 configuration details, but these details are not shown in the summary screen afterward.	3	24.2.0	No customer impact. **Workaround**: No workaround available
36737090	DD-OCCM: Backup related OCCM files are missing in the package	Manual backup and restore operations will not function if OCCM is enabled.	3	24.2.0	No impact. **Workaround**: Use the required manual backup template file as updated in the installation guide for use with OCCM.

Table 4-6 (Cont.) OCNADD 24.2.0 Known Bugs

Bug Number	Title	Description	Severity	Found in Release	Customer Impact
36745554	Adapter and Alarm pods in crash-loop when datafeed created with incorrect endpoint	Incorrect endpoints configured in the HTTP2 feed cause adapter and alarm pods can enter a crash-loop.	3	24.2.0	Too many alarms and logs may cause ephemeral storage usage to exceed, resulting in POD restarts. **Workaround**: Incorrect third-party endpoint is provided and the error is as follows: OCL 2024-06-18T14:52:53.351Z ERROR 1 --- [-StreamThread-2] c.o.c.c.o.C.s.t.TopologyBuilderImpl : Error occurred processing message. Error Failed to resolve 'ocnaddthirdpartyconsumeroracle3.kp-wg1' [A(1), AAAA(28)] after 2 queries 1. Edit the feed and correct the endpoint so that the traffic starts reaching to third-party. 2. If the correct endpoints are not available at present and will be available in future, then edit the feed, change the value from "Do not try again" to "Keep trying" for "Data reach failure" parameter. 3. Adapter pods in ERROR state need to be deleted manually with below command: `kubectl delete pods --field-selector status.phase=Fa`

Table 4-6 (Cont.) OCNADD 24.2.0 Known Bugs

Bug Number	Title	Description	Severity	Found in Release	Customer Impact
					iled -n <namespace>.
36751592	CORRELATED_FILTERED correlation not replicating to mated site	In 2Site Redundancy feature, CORRELATED_FILTERED Kafka feed type configurations are not replicated to the mate site.	3	24.2.0	There is low impact if the customer is using two-site redundancy feature and has created a CORRELATED_FILTERED Kafka feed type. **Workaround**: As CORRELATED_FILTERED Feed is not getting replicated to the mate site, user can create the same configuration (for CORRELATED_FILTERED) on the mate site. For example from primary if CORRELATED_FILTERED (ex: corr-filter-1) is not replicated, on the secondary site: Go to Feed, Click on Kafka Feed tab, Click on Create Correlation Config, Create corr-filter-1 (CORRELATED_FILTERED) with same configuration as created in mate site. Manually clear the alarm that is created due to failure of creating CORRELATED_FILTERED (ex: corr-filter-1).
36666809	DD-GUI: "Done" button not getting active after saving kafka-template configuration	After editing kafka-template configuration and saving changes, the "Done" button does not become active.	4	24.2.0	No impact. **Workaround**: No workaround available

Table 4-6 (Cont.) OCNADD 24.2.0 Known Bugs

Bug Number	Title	Description	Severity	Found in Release	Customer Impact
36669047	Alarm for "Kafka Consumption Paused" raised even if all the topics are receiving continuous traffic	Alarms indicate traffic consumption from Kafka is paused, despite continuous traffic reception by topics.	4	24.2.0	It can confuse users who expect alarms to reflect actual traffic status. **Workaround**: The alarm should be ignored.
36671638	Alarms such as SFTP service is unreachable and No Data available for export not getting cleared	Alarms indicating "SFTP service unreachable" and "No Data Available" persist even after the conditions causing the alarms are resolved.	4	24.2.0	It can confuse users as the alarms do not reflect current operational status. **Workaround**: No workaround available
36688812	DD-GUI: The Trace response shows one more page (with improper data) even if all the records are already displayed	Additional page is displayed on the trace screen despite all records being shown on the first page.	4	24.2.0	No customer impact. **Workaround**: No workaround available