Oracle® Communications

Network Analytics Suite Release Notes

Release 23.4.0
F90358-03
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Oracle Communications Network Analytics Suite Release Notes, Release 23.4.0

F90358-03

Contents

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What's New in This Guide

Release 23.4.0.0.1 - F90358-03, July 2024

OCNADD 23.4.0.0.1 Release

Updated the following sections with the details of OCNADD release 23.4.0.0.1:

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

Release 23.4.0 - F90358-02, March 2024

OCNADD 23.4.0 Release

Updated the following sections with the details of OCNADD release 23.4.0:

- Resolved Bug List

Release 23.4.0 - F90358-01, December 2023

OCNWDAF 23.4.0 Release

Updated the following sections with the details of OCNWDAF release 23.4.0:

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

OCNADD 23.4.0 Release

Updated the following sections with the details of OCNADD release 23.4.0:

- 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 23.4.x.

2.1 OCNWDAF Feature Descriptions

Release 23.4.0

Oracle Communications Networks Data Analytics Function (OCNWDAF) 23.4.0 has been updated with the following enhancements:

- **Quality of Service (QoS) Sustainability Analytics**: Consumers can derive QoS (Quality of Service) Sustainability Analytics from the OCNWDAF. This analytics information includes QoS change statistics in a target area (for a specified period). OCNWDAF provides both statistical and predictive analytics. The OCNWDAF GUI is enhanced to provide graphic visualization of QoS analytics, and QoS APIs are introduced for this feature. For more information, see *Oracle Communications Networks Data Analytics Function User Guide*.
- **Data Director (OCNADD) Integration**: The OCNWDAF supports the Data Director (OCNADD) as a data source. OCNADD receives messages from Oracle NFs (such as SCP, SEPP, and NRF), captures the call flow messages exchanged between the control plane NFs, filters data from the call flows, and sends it to the CAP4C. The Kafka Mirror Maker replication utility replicates Kafka topics between the OCNADD and the OCNWDAF to implement this feature. The Data Collection Service is also enhanced to support the Data Director as a data source.
  Data mine "Cell Location" from Data Director Message Feed: When the OCNADD is configured as a data source for OCNWDAF, the Cell Location information is mined from the Data Director Message Feed. This information is used for generating analytics for the following Analytics IDs:
  - Slice Load Level Analytics
  - UE Mobility Analytics
  - UE Abnormal Behavior Analytics

  For more information, see *Oracle Communications Networks Data Analytics Function Installation and Fault Recovery Guide*.
- **OCNWDAF Dashboard Enhancements**: The OCNWDAF GUI is enhanced with rich visual features for ML Model Selection, Slice Load Monitoring, NF Load Monitoring, Geofence Monitoring, UE Mobility Monitoring, Network Performance, User Data Congestion Analytics and QoS Sustainability Analytics. A new GUI page is introduced to view UE Mobility Analytics, and a new tab is presented on the Monitoring page to view QoS Analytics. For more information, see *Oracle Communications Networks Data Analytics Function User Guide.*
- **Analytics Database Integration**: This feature is an architectural enhancement for OCNWDAF. The new database is based on MySQL cluster and stores relational and time-series data. For more information, see *Oracle Communications Networks Data Analytics Function Installation and Fault Recovery Guide*.

- **Georedundancy and Data Replication**: In a georedundant deployment, High Availability (HA) can be achieved by data replication across all sites. Data topics across all sites are replicated by the “Mirror Maker 2 (MM2)”, the replication tool for Kafka topics. OCNWDAF supports Mirror Maker Configuration for Data Replication. For more information on configuring Mirror Maker and its parameters, see *Oracle Communications Networks Data Analytics Function Installation and Fault Recovery Guide*.
- **Performance Metrics for QoS Sustainability Analytics**: OCNWDAF provides performance metrics for the QoS Sustainability analytics ID.

2.2 OCNADD Feature Descriptions

Release 23.4.0.0.1

Oracle Communications Network Analytics Data Director (OCNADD) 23.4.0.0.1 has been updated with the following enhancements:

- **Kubectl HNC Packaging**: Kubectl HNC package is added as part of the OCNADD package. The package is used to create hierarchical (nested) namespaces using the command set `kubectl hns`. The steps to install the package are added in the install guide. For more information, see *Oracle Communications Network Analytics Data Director Installation, Upgrade, and Fault Recovery Guide*.
- **Support for Admin User and Access Control**: OCNADD supports two types of users with different access control levels. The users can be created using CNC Console and assigned any of the three roles (Read/Write, and Read). For more information, see the "OCNADD Users" section in the *Oracle Communications Network Analytics Data Director User Guide*.

Release 23.4.0

Oracle Communications Network Analytics Data Director (OCNADD) 23.4.0 has been updated with the following enhancements:

- **Centralized Deployment**: OCNADD, in centralized deployment mode, provides the separation of the configuration and administration services and pods from the traffic processing services and pods. The single management pod group can serve multiple traffic processing pod groups (called Worker Groups), thereby saving the resources for management pods for very large customer deployments spanning multiple individual OCNADD sites. The OCNADD GUI supports configuration of data feeds, filters, and correlation for the worker groups. This mode ensures separation of the configuration management from the traffic processing so that the traffic processing units can scale independently of each other. For more information, see the "Centralized Deployment" section in the *Oracle Communications Network Analytics Data Director User Guide*.
- **Correlation and xDR Support**: This feature provides the capability to correlate messages of a network scenario that can be represented by a transaction, call, or session and generate a summary record known as xDR. The summary of records provide deep insights and visibility into the customer network and assist in:
  - Network Troubleshooting
  - Revenue Assurance
  - Billing and CDR Reconciliation
  - Network Performance KPIs and Metrics
  - Advanced Analytics and Observability

The OCNADD GUI is used to configure this feature and the xDRs are consumed using the Kafka feed feature. For more information, see the "Correlation Feature" section in the *Oracle Communications Network Analytics Data Director User Guide*.

- **KPIs and Visualization**: This feature provides options to configure and visualize the KPIs that can be generated using the OCNADD transactions for the correlation feature. The KPIs provide insights into the network transactions that are running the Service Provider's network. The KPIs generated can be visualized using the OCNADD GUI dashboard. The KPIs can be configured along with the correlation feature configuration. For more information, see the section "Supported KPIs" in the *Oracle Communications Network Analytics Data Director User Guide*.
- **TCP SEQ/ACK support in Synthetic Feed**: This enhancement to the OCNADD Synthetic Feed provides support for the TCP Sequence and Acknowledgment in the synthesized packet. The sequence number and the acknowledgment number will not be the same for every packet. The new connection for any srcIP, srcPort, dstIP, and dstPort combination shall initialize the Sequence and Acknowledge number with "1" and increase them based on the length of the packet being sent on the connection. This feature is useful in cases where the third party application is involved in the validation and processing of the TCP sequence and acknowledgment number from the synthesized packet. For more information, see *Oracle Communications Network Analytics Data Director User Guide*.
- **Performance Improvements**: Performance metrics are benchmarked for the following features:
  - Correlation feature
  - 100K MPS synthetic feed with replication

3
Media and Documentation

3.1 Media Pack

This section lists the media package for Network Analytics Suite release 23.4.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 23.4.0

Description	NF Version	ATS Package Version	Upgrade Supported
Oracle Communications Network Data Analytics Function (OCNWDAF)	23.4.0	23.4.0	OCNWDAF 23.4.0 supports only fresh installation. For more information, see *Oracle Communications Networks Data Analytics Function Installation and Fault Recovery Guide*.

Table 3-2 Media Pack Contents for OCNADD 23.4.0

Description	Version	ATS Version	Upgrade Supported
Oracle Communications Network Analytics Data Director (OCNADD)	23.4.0.0.1	23.4.0	OCNADD 23.4.0.0.1 supports the upgrade from 23.4.0 and 23.3.x. For more information, see *Oracle Communications Network Analytics Data Director Installation, Upgrade, and Fault Recovery Guide*.

Table 3-2 (Cont.) Media Pack Contents for OCNADD 23.4.0

Description	Version	ATS Version	Upgrade Supported
Oracle Communications Network Analytics Data Director (OCNADD)	23.4.0	23.4.0	OCNADD 23.4.0 supports the direct upgrade from 23.2.0.0.x and 23.3.0. 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 23.4.0

NF Version	CNE	cnDB Tier	CDCS	OSO	ASM S/W	Kubernetes	CNC Console	PCF	SCP	NRF	SEPP	OCNADD
23.4.0	• 23.2.x • 23.1.x • 22.4.x	• 23.4.x • 23.3.x • 23.2.x • 23.1.x	NA	NA	NA	• 1.26.x • 1.25.x • 1.24.x	• 23.4.x • 23.3.x • 23.2.x • 23.1.x	• 23.3.x • 23.2.x	• 23.4.0 • 23.3.0 • 23.2.x • 23.1.x	• 23.4.0 • 23.3.0 • 23.2.x • 23.1.x	NA	23.4.0

3GPP Compatibility Matrix

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

Table 3-4 3GPP Compatibility Matrix

NF	NF Version	3GPP
OCNWDAF	23.4.0	• 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

The following table lists the compatibility matrix for OCNADD:

Table 3-5 Compatibility Matrix for OCNADD 23.4.0

Version	CNE	cnDBTier	CDCS	OSO	ASM S/W	Kubernetes	CNC Console	SCP	NRF	SEPP
23.4.0.0.1	• 23.4.x • 23.3.x • 23.2.x	• 23.4.x • 23.3.x • 23.2.x	NA	NA	NA	• 1.27.x • 1.26.x • 1.25.x	• 23.4.x • 23.3.x • 23.2.x	• 23.4.x • 23.3.x • 23.2.x	• 23.4.x • 23.3.x • 23.2.x	• 23.4.x • 23.3.x • 23.2.x
23.4.0	• 23.4.x • 23.3.x • 23.2.x	• 23.4.x • 23.3.x • 23.2.x	NA	NA	NA	• 1.27.x • 1.26.x • 1.25.x	• 23.4.x • 23.3.x • 23.2.x	• 23.4.x • 23.3.x • 23.2.x	• 23.4.x • 23.3.x • 23.2.x	• 23.4.x • 23.3.x • 23.2.x

3GPP Compatibility Matrix

The following table lists the 3GPP compatibility matrix:

Release 23.4.0.0.1

Table 3-6 3GPP Compatibility Matrix

NF	NF Version	3GPP
OCNADD	23.4.0	NA
SCP	• 23.4.x • 23.3.x • 23.2.x	Release 16 compliant
NRF	• 23.4.x • 23.3.x • 23.2.x	Release 16 compliant
SEPP	• 23.4.x • 23.3.x • 23.2.x	Release 16 compliant

Release 23.4.0

Table 3-7 3GPP Compatibility Matrix

NF	NF Version	3GPP
OCNADD	23.4.0	NA
SCP	• 23.4.x • 23.3.x • 23.2.x	Release 16 compliant
NRF	• 23.4.x • 23.3.x • 23.2.x	Release 16 compliant
SEPP	• 23.4.x • 23.3.x • 23.2.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.

3.3 Common Microservices Load Lineup

This section provides information about common microservices and ATS for OCNWDAF Release 23.4.x.

Table 3-8 Common Microservices Load Lineup for OCNWDAF 23.4.0

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
23.4.0	NA	NA	NA	23.4.0	NA	1.2.3	23.1.3	23.1.3	22.2.0	NA	22.4.0	NA

This section provides information about common microservices and ATS for OCNADD release 23.4.x:

Table 3-9 Common Microservices Load Lineup for OCNADD 23.4.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
23.4.0.0.1	NA	NA	NA	23.4.0	NA	NA	NA	NA	NA	NA	NA	NA
23.4.0	NA	NA	NA	23.4.0	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 3-10 Security Certification Declaration for OCNWDAF 23.4.0

Compliance Test Description	Test Completion Date	Summary
Static Source Code Analysis *Additional Information: Assesses adherence to common secure coding standards*	25 Nov, 2023	Mitigated critical findings, bug: 36045088
Dynamic Analysis (including fuzz testing) *Additional Information: Tests for risk of common attack vectors such as OWASP Top 10 and SANS 25*	25 Nov, 2023	No findings
Vulnerability Scans *Additional Information: Scans for CVEs in embedded 3rd party components*	23 Nov, 2023	Unmitigated CVEs found: • CVE-2023-44487 • CVE-2023-3635 • CVE-2023-34455 The CVEs are not impacting the assessments or have low risk of exploitation.
Malware Scans *Additional Information: Scans all deliverable software packages for the presence of known malware*	23 Nov, 2023	No findings

Overall Summary: One critical bug (mitigated) found during internal security testing.

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

Table 3-11 Security Certification Declaration for OCNADD 23.4.0.0.1

Compliance Test Description	Test Completion Date	Summary
Static Source Code Analysis *Additional Information: Assesses adherence to common secure coding standards*	4 July, 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*	10 Nov, 2023	No unmitigated critical or high findings
Vulnerability Scans *Additional Information: Scans for CVEs in embedded 3rd party components*	3 July, 2024	No unmitigated critical or high findings
Malware Scans *Additional Information: Scans all deliverable software packages for the presence of known malware*	3 July, 2024	No findings

Table 3-12 Security Certification Declaration for OCNADD 23.4.0

Compliance Test Description	Test Completion Date	Summary
Static Source Code Analysis *Additional Information: Assesses adherence to common secure coding standards*	5 Dec, 2023	Few low severity issues are present. The following bug is raised: Bug 36074991 - Fortify Low Severity Issues
Dynamic Analysis (including fuzz testing) *Additional Information: Tests for risk of common attack vectors such as OWASP Top 10 and SANS 25*	10 Nov, 2023	No unmitigated critical or high findings
Vulnerability Scans *Additional Information: Scans for CVEs in embedded 3rd party components*	5 Dec, 2023	No unmitigated critical or high findings
Malware Scans *Additional Information: Scans all deliverable software packages for the presence of known malware*	6 Dec, 2023	No 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 23.4.0 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 23.4.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 23.4.x.

OCNWDAF Resolved Bugs

OCNWDAF Resolved Bugs for OCNWDAF 23.4.0

Table 4-1 OCNWDAF Resolved Bugs for OCNWDAF 23.4.0

Bug Number	Title	Description	Severity	Found in Release
35797700	The *ocn-nwdaf-data-collection-controller* and *ocn-oam-simulator-service* are not available in the NWDAF 23.3.0 MoS package.	The *ocn-nwdaf-data-collection-controller* and *ocn-oam-simulator-service* images were unavailable in the OCNWDAF 23.3.0 MoS package.	2	23.3.0
35814281	Oracle Communication Consulting - Lab : NWDAF 23.3.0: NWDAF Images Missing in MoS patch	Some OCNWDAF images were missing in the 23.3.0 MoS patch.	2	23.3.0
35931448	Error occurred while fetching data from NWDAF GUI	Errors were observed while fetching data from the OCNWDAF GUI. The error message "An Error occurred while fetching the data" is displayed in ML Model Selector, Slice Load Monitoring, Geofence Monitoring, and Monitoring screens.	3	23.3.0

Table 4-1 (Cont.) OCNWDAF Resolved Bugs for OCNWDAF 23.4.0

Bug Number	Title	Description	Severity	Found in Release
35892172	Maps are not available in NWDAF even with internet reachable	Maps were not available in the OCNWDAF though the internet connection was present. OCNWDAF 23.3.0 GUI was configured with CNC Console 23.3.0 or 23.2.0. When user tries to access the monitoring tab, data was not displayed in the map area. CNC Console releases 23.3.0 and 23.2.0 had a constraint to filter out HTTP HEAD requests. OCNWDAF uses HEAD requests to test internet availability.	3	23.3.0
35824376	The *charts/ocn-smf-simulator-service/ values.yaml* is pointing to a deprecated service.	The *charts/ocn-smf-simulator-service/ values.yaml* file was pointing towards a deprecated service.	3	23.3.0
35824361	CNC console installation and integration with NWDAF Portal Suite is not clear.	The procedure for CNC console installation and integration with OCNWDAF Portal Suite was not explained clearly in the *Oracle Communications Networks Data Analytics Function User Guide*.	3	23.3.0
35751995	ATS test cases in preconfigured pipelines in Jenkins are not listed	ATS testcases were not listed in the preconfigured Jenkins pipeline.	3	23.3.0

Table 4-1 (Cont.) OCNWDAF Resolved Bugs for OCNWDAF 23.4.0

Bug Number	Title	Description	Severity	Found in Release
35905766	NWDAF install failing with "timed out waiting for the condition"	The OCNWDAF installation was failing with "timed out waiting for the condition" error.	4	23.3.0

> **Note:**
>
> Resolved bugs from 22.1.0, 23.1.0, 23.1.0.0.2, 23.2.0, 23.3.0, and 23.3.0.0.1 have been forward ported to Release 23.4.0.

OCNADD Resolved Bugs

OCNADD Resolved Bugs for OCNADD 23.4.0.0.1

Table 4-2 OCNADD Resolved Bugs for OCNADD 23.4.0.0.1

Bug Number	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; junk characters were seen when there was a message with a long URL containing special characters such as “{”, “[”, “:”, or “".	3	23.4.0
36681307	Data Director GUI page states "No Worker Groups are installed" when there is a Worker Group	The UI was unable to fetch the Worker Group details. When clicking on "Select Worker Group" in the UI, the following message was displayed: "`No Worker Groups are installed. Please install at least one Worker Group to configure your Data Director.`"	3	23.4.0

OCNADD Resolved Bugs for OCNADD 23.4.0

Table 4-3 OCNADD Resolved Bugs for OCNADD 23.4.0

Bug Number	Title	Description	Severity	Found In Release
36070022	Adapters not upgrading after DD upgrade	The adapter did not upgrade, and the adapter pods did not restart, due to Kubernetes fabric client library issue.	2	23.4.0
36072553	Unable to create CORRLEATED_FILTERED kafka feed after upgrade	The correlated filter feed was not created as the *enum* feed type was incorrectly updated in the upgrade script.	2	23.4.0
36072078	Adapter is constantly trying to send messages to Disposed connection after 3rd Party is brought Down	CPU resource utilization by the adapters was high. This issue was observed only when the third party endpoint was completely down and all the connection threads were disposed.	2	23.4.0
35319683	Zookeeper showing only 2 instance instead of 3	Correct number of Zookeeper instances was listed at the backend, but the OCNADD GUI displayed lesser number of Zookeeper instances.	3	23.2.0
35651501	Not able to create 4 parallel Egress filters for only ALLOW or DENY	Two parallel filters could be created for Egress, but the user was able to create four parallel filters for Ingress.	3	23.3.0
35667048	Create Kafka Feed is allowing any user entry in ACL user and Host Name fields	In the 'Kafka Feed' creation, the input fields were incorrectly allowing all user entries in ACL 'user' and 'Host Name' fields. For example: ACL User = asdf*** or asdfhask8*((**))^%$	3	23.3.0

Table 4-3 (Cont.) OCNADD Resolved Bugs for OCNADD 23.4.0

Bug Number	Title	Description	Severity	Found In Release
35944566	Unable to fetch Kafka feed after upgrade from 23.3.0 to 23.4.0	Unable to fetch Kafka feed after upgrade as the *retentionTime* column was incorrectly updated in the upgrade script.	3	23.4.0
36030381	KPI settings options such as status code, service name getting applied to all KPIs	While configuring KPIs some settings were getting applied to all KPIs. Validation was missing on the GUI to restrict some of the options to the available KPIs.	3	23.4.0
36030528	N12 and N13 missing their respective service name in KPI query	The option to select the service name was not available in the KPI settings for the query.	3	23.4.0
36278932	Child namespace requirement for installing Data Director	The installation guide for release 23.4.0 needed an update to include the information if the HNS package is not available.	3	23.4.0
35639519	OCNADD UI: Replicated Feed Name missing in exported csv of kafka feed	When replicated Kafka feed was created and the information was exported in CSV format using the export functionality, the Replicated Feed Name did not get populated.	4	23.3.0
35594082	Style issues on OCNADD GUI	The OCNADD GUI had some style issues. The GUI displayed content with extra spaces or different font sizes.	4	23.3.0

Note:

Resolved bugs from 22.1.0, 23.1.0, 23.2.0, 23.2.0.0.1, and 23.3.0 have been forward ported to Release 23.4.0.

4.3 Known Bug List

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

OCNWDAF 23.4.0 Known Bugs

The following table lists the known bugs for OCNWDAF Release 23.4.x.

Table 4-4 OCNWDAF 23.4.0 Known Bugs

Bug Number	Title	Description	Severity	Found in Release	Customer Impact
36068437	NWDAF subscriptions with ONE_TIME value in notifMethod send more than 1 notification	The OCNWDAF subscriptions with "ONE_TIME" as a value for the Notification Method sends more than one notification.	3	23.4.0	The NF consumer may receive two similar notification reports instead of one report. **Workaround**: No workaround available.
36068419	3gpp NWDAF - Error message is wrong when trying to create a sub with MTLF down	The user tries to create a subscription when the MTLF service is down and an incorrect 3GPP NWDAF error message is displayed.	3	23.4.0	The NWDAF subscription is not created, but an incorrect error message is displayed to the user. **Workaround**: No workaround available.
36068416	Change NWDAF Spring Boot Parent	The OCNWDAF Spring Boot Parent must be changed.	3	23.4.0	No customer impact. **Workaround**: No workaround available.
36068412	3GPP Geofence subscriptions receive notifications before the startTs date	The 3GPP Geofence subscriptions are receiving notifications before the commencement of the timestamp mentioned in the *startTs* parameter.	3	23.4.0	It is an edge case where the notification report is present before the expected date. **Workaround**: No workaround available.

Table 4-4 (Cont.) OCNWDAF 23.4.0 Known Bugs

Bug Number	Title	Description	Severity	Found in Release	Customer Impact
36068409	SLL 3GPP subscriptions ONE_TIME send two notifications	The 3GPP Slice Load Level "ONE_TIME" subscriptions are sending two notifications.	3	23.4.0	It is an edge case when the NF consumer receives two similar notification reports instead of one notification report. **Workaround:** No workaround available.
36073817	GUI Slice Load filter being applied when coming from NF Load	After you set the date range on the NF Load Monitoring page on the OCNWDAF GUI, if you proceed to the Slice Load Monitoring page, an extra filter appears in the filter bar.	4	23.4.0	Two filters "Date Range" and "Last" are incorrectly displayed. **Workaround**: No workaround available.
36068433	ATS: Update function should be flexible enough to update any parameter's value from the subscription payload.	In the ATS, the Update function must update any parameter's value from the subscription payload.	4	23.4.0	No customer impact. **Workaround**: No workaround available.
36068432	PV API Consumer not logging request headers	The PV API consumer is not logging request headers.	4	23.4.0	The internal tool that uses it to simulate the NF consumer is not displaying headers at the log level. This is visible to the user. **Workaround**: No workaround available.

OCNADD Known Bugs

OCNADD 23.4.0.0.1 Known Bugs

There are no new known bugs in this release. Known bugs from 23.4.0 have been forward ported to Release 23.4.0.0.1.

OCNADD 23.4.0 Known Bugs

The following table lists the known bugs for OCNADD Release 23.4.x.

Table 4-5 OCNADD 23.4.0 Known Bugs

Bug Number	Title	Description	Severity	Found in Release	Customer Impact
36008271	Synthetic feed adapter stops sending packets	It has been observed that a OCNADD consumer adapter sometimes stops the traffic to a particular third party application. The third party application frequently closes the connection with the OCNADD consumer adapter for the synthetic feed. As a result, the Kafka consumer threads are detaching from the consumer group and stop reading the traffic.	2	23.3.0	Traffic to the specific third party applications may be disrupted. **Workaround**: Restart the consumer adapter.
36038818	Log messages: error raising alarm	When an alarm is raised, an error reported in the adapter service.	3	23.3.0	The original alarm is raised and the subsequent event does not get updated in the alarm. **Workaround**: No workaround available.
36038805	OCNADD GUI reloading a page takes 40 seconds	The OCNADD GUI takes longer to reload after the feed configuration is updated.	3	23.3.0	The user has to wait for a longer time to perform actions on the GUI. **Workaround:** No workaround available.

Table 4-5 (Cont.) OCNADD 23.4.0 Known Bugs

Bug Number	Title	Description	Severity	Found in Release	Customer Impact
36080286	Egress filter of worker group1 is showing feeds of other WG as well in "association" dropdown	When an egress filter is created, the adapter feed created for one worker group appears for the other worker group during the filter's association with the feed.	3	23.4.0	The user can incorrectly associate the filter with the data feed from the different worker groups. **Workaround:** No workaround available.
36027600	Worker-group not listed when MTLS is true	MTLS is not working for the OCNADD GUI service.	3	23.4.0	OCNADD GUI is not working correctly when MTLS is enabled. **Workaround:** Disable MTLS in the 23.4.0 and previous releases of OCNADD deployments.
36022704	Seeing a sudden drops in KPI's count after correlation service pod restarts	The Prometheus metric counters reset when the container restarts. When the correlation service pods restart, the Prometheus metric counter resets. The GUI fetches these metrics from the Prometheus. Therefore, a sudden drop in the KPI count is observed.	3	23.4.0	The KPI graph displays a sudden dip; the user may interpret this as a network issue. **Workaround:** Run the following Prometheus query to verify this scenario: `last_over_time(ocnadd_total_transactions_total{namespace="ocadd-deploy"}[1h])`

Table 4-5 (Cont.) OCNADD 23.4.0 Known Bugs

Bug Number	Title	Description	Severity	Found in Release	Customer Impact
36022691	Egress Filter Metrics for "kafka feed" is not displayed	The filter metrics for the Kafka feed associated with the Egress filter are not displayed.	3	23.4.0	User cannot obtain the Egress filter metrics for the Kafka feed. **Workaround:** No workaround available.
36020488	Deregistration and Registration Alarm for UIRouter and GUI is not logging on UI and database	The GUI and the GUI router service cannot register (and deregister) with the health monitoring service.	3	23.4.0	The health status of the GUI and GUI router service is not displayed on the dashboard. **Workaround:** No workaround available.
35971255	After selecting KPI interval time also showing other timestamp data	The Prometheus processes the queries and reports the metrics in UTC format, and the client must interpret the time in UTC format.	3	23.4.0	Incorrect information is displayed in the GUI. **Workaround:** No workaround available.
35926969	Edit function in Correlation config not working properly	The user cannot change the correlation mode and must reselect all the fields to configure a new correlation mode.	3	23.4.0	The user cannot change the correlation type from SUDR to TDR. **Workaround:** Select each field individually in the correlation configuration to modify the correlation mode.
35842279	Data Director GUI Display issue 5G PROD	The feed status is displayed as inactive. However, the feed is working correctly, and a third party consumer can receive the data from the feed.	3	23.4.0	Incorrect information is displayed in the GUI. **Workaround:** No workaround available.

Table 4-5 (Cont.) OCNADD 23.4.0 Known Bugs

Bug Number	Title	Description	Severity	Found in Release	Customer Impact
35677070	In UI about section the "Copyright Information" is taking to 'About' DD section	In the GUIs "About" section, the "Copyright Information" hyperlink is incorrectly linked to the 'About' DD section.	3	23.3.0	Incorrect information is displayed in the GUI. **Workaround:** No workaround available.
35679888	In Dashboard the Average msg size display disappears	In the GUI dashboard, the average message size display disappears when one of the producers goes down or stops sending traffic.	4	23.3.0	Incorrect information is displayed in the GUI. **Workaround:** No workaround available.
36017165	KPI's graph not displaying correct information	The label on the KPI graphs is incorrect; "msg/sec" is displayed instead of "transactions/ sec".	4	23.4.0	Incorrect information is displayed in the GUI. **Workaround:** No workaround available.
36071681	In N12 and N13 service name labels are not correct	The labels identifying the N12 and N13 transactions are incorrect.	4	23.4.0	Incorrect information is displayed in the GUI. **Workaround:** No workaround available.
36053334	Configuration service logging error while editing filters	Error trace is incorrectly logged as an information log.	4	23.4.0	No customer impact. **Workaround:** No workaround available.