Oracle® Communications

Network Analytics Suite Release Notes

Release 23.2.0
F80267-07
January 2024

Oracle Communications Network Analytics Suite Release Notes, Release 23.2.0

F80267-07

Contents

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What's New in This Guide

Release 23.2.0.0.3 - F80267-07, January 2024

OCNADD 23.2.0.0.3 Release

Updated the following sections with the details of OCNADD release 23.2.0.0.3:

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

Release 23.2.0.0.2 - F80267-06, September 2023

OCNADD 23.2.0.0.2 Release

Updated the following sections with the details of OCNADD release 23.2.0.0.2:

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

Release 23.2.0.0.1 - F80267-03, July 2023

OCNADD 23.2.0.0.1 Release

Updated the following sections with the details of OCNADD release 23.2.0.0.1:

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

Release 23.2.0 - F80267-02, June 2023

OCNADD 23.2.0 Release

Updated the Compatibility Matrix for OCNADD.

Release 23.2.0 - F80267-01, June 2023

OCNWDAF 23.2.0 Release

Updated the following sections with the details of OCNWDAF release 23.2.0:

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

OCNADD 23.2.0 Release

Updated the following sections with the details of OCNADD release 23.2.0:

- 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 23.2.x.

2.1 OCNWDAF Feature Descriptions

Release 23.2.0

Oracle Communications Networks Data Analytics Function (OCNWDAF) 23.2.0 has been updated with the following enhancements:

- **Network Performance Analytics:** The OCNWDAF provides Network Performance analytics to the consumers. It includes information about resource consumption by the gNodeB (gNB), a key component in the 5G Radio Access Network (RAN), as well as key mobility performance indicators in the Area of Interest (AoI). The Network Performance analytics provides information such as gNB status, gNB resource usage, communication, and mobility performance in the Area of Interest (AoI). For more information, see *Oracle Communications Networks Data Analytics Function User Guide*.
- **Geofencing**: OCNWDAF provides User Equipment (UE) geofencing analytics. Geofences are virtual fences or perimeters around physical locations; they can trigger events when a UE enters or exits the geofence region. OCNWDAF generates analytics based on UE movement within (or relative to) the defined geofences. For more information, see *Oracle Communications Networks Data Analytics Function User Guide*.
- **Support for Common Services Gateways (Ingress and Egress)**: The common Ingress and Egress Gateways are now integrated with OCNWDAF. The Ingress Gateway is an entry point for accessing OCNWDAF supported service operations and provides the functionality of an OAuth validator. The Egress Gateway routes OCNWDAF initiated egress messages to other NFs. For more information about Ingress and Egress Gateway Traffic Distribution, see *Oracle Communications Cloud Native Core, Cloud Native Environment User Guide*.
- **Service Mesh for Intra-NF Communication**: OCNWDAF leverages the service mesh support for all internal and external communication. OCNWDAF's integration with the service mesh provides inter-NF communication and allows API gateway to cowork with the service mesh. The service mesh integration supports the services by deploying a special sidecar proxy in the environment to intercept all the network communication between microservices. For more information, see *Oracle Communications Networks Data Analytics Function User Guide*.
- **Deployment Data Collector Tool**: OCNWDAF enables the users to collect the logs using the Deployment Data Collector tool. These logs are further used for debugging issues. For more information, see *Oracle Communications Networks Data Analytics Function Troubleshooting Guide*.
- **OCNWDAF Installation Procedure Improvements**: The OCNWDAF installation procedure is improvised to simplify the entire installation procedure. For more information on the updated installation procedure, see *Oracle Communications Networks Data Analytics Installation and Fault Recovery Guide*.

- **OCNWDAF Dashboard Enhancement**: The OCNWDAF GUI is enhanced with rich visual features for the Slice Load, NF Load, and Geofence Analytics. For more information, see *Oracle Communications Networks Data Analytics Function User Guide*.

2.2 OCNADD Feature Descriptions

Release 23.2.0.0.3

No new features or enhancements have been introduced in this patch release, this only contains the CPU uplifts.

> **Note:**
>
> Some patches may contain Critical Patch updates. 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 23.2.0.0.2

- **Security Enhancements:**
  - Incoming traffic to 9092 Kafka Port is restricted.
  - Added User Interface (UI) Router TLS support.
  - The cluster or admin level privileges to Role and RoleBinding were restricted
- **Upgrade and Rollback Enhancements:**
  - Forward ported the upgrade rollback enhancement of the release 23.2.0.0.1 to release 23.2.0.0.2.
  - The release 23.2.0.0.1 is now obsolete. Customers can directly upgrade from the release 23.2.0 to 23.2.0.0.2.

Release 23.2.0.0.1

Upgrade and Rollback Enhancement

The upgrade procedure creates and stores the previous release database backup during the upgrade procedure. In a rollback scenario, the rollback procedure automatically picks up the database backup created during the upgrade to restore it to the previous release.

Release 23.2.0

Oracle Communications Network Analytics Data Director (OCNADD) 23.2.0 has been updated with the following enhancements:

- **Support for Multisite Georedundant Deployments**: OCNADD supports both two site and three site georedundant deployments. Georedundancy is data replication of one site across multiple sites to efficiently handle failure scenarios and ensure High Availability (HA). If any georedundant OCNADD sites experiences a failure, the operator can perform manual failover procedures to move NF traffic from the failed site to the available OCNADD site. For more information, see the "*Support*

for Multisite Georedundant Deployments" section in *Oracle Communications Network Analytics Data Director User Guide*.

- **Support for Weighted Load Balancing:** OCNADD supports the weighted load balancing of data feeds among the different endpoints of the third-party consumer application. The operator can allocate load factors to each destination endpoint. The operator can configure Weighted Load Balancing through the CNC Console GUI. For more information, see the "*Weighted Load Balancing Based on Correlation ID*" section in *Oracle Communications Network Analytics Data Director User Guide*.
- **Support for Data Filtering:** OCNADD performs data filtering on messages and sends only the filtered messages to the next hop or feed. Filtering is supported on both Ingress and Egress interfaces. The Data Director is placed between the ingress and egress flows. Therefore, filtering can be applied to both flows. Data filters can be configured through the CNC Console GUI. For more information, see *Oracle Communications Network Analytics Data Director User Guide*.
- **Alert Forwarding using SNMP:** OCNADD forwards the Prometheus alerts as SNMP (Simple Network Management Protocol) traps to the southbound SNMP servers. For more information, see *Oracle Communications Network Analytics Data Director User Guide*.
- **Synthetic Packet L3-L4 Field Mapping Enhancements:** OCNADD allows users to configure global L3-L4 mapping rules to obtain the required L3-L4 information for all messages in the synthetic packet feed. For more information, see *Oracle Communications Network Analytics Data Director User Guide*.

3
Media and Documentation

3.1 Media Pack

This section lists the media package for Network Analytics Suite release 23.2.x. To download the media package, see My Oracle Support.

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 23.2.0

Description	NF Version	ATS Version	Upgrade Supported
Oracle Communications Network Data Analytics Function (OCNWDAF)	23.2.0	23.2.0	OCNWDAF 23.2.0 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 23.2.0

Description	Version	ATS Version	Upgrade Supported
Oracle Communications Network Analytics Data Director (OCNADD)	23.2.0.0.3	23.2.0	OCNADD 23.2.0.0.3 supports the upgrade from the 23.2.0 and 23.2.0.0.2 release. For more information on patch installation refer to the Upgrade section of *Oracle Communications Network Analytics Data Director Installation, Upgrade, and Fault Recovery Guide*.

Table 3-2 (Cont.) Media Pack Contents for OCNADD 23.2.0

Description	Version	ATS Version	Upgrade Supported
Oracle Communications Network Analytics Data Director (OCNADD)	23.2.0.0.2	23.2.0	OCNADD 23.2.0.0.2 supports the upgrade from 23.2.0 only. For more information about upgrade and rollback, see the Readme.txt file provided with the software.
Oracle Communications Network Analytics Data Director (OCNADD)	23.2.0.0.1	23.2.0	The release 23.2.0.0.1 is now obsolete. Customers can directly upgrade from the release 23.2.0 to 23.2.0.0.2.
Oracle Communications Network Analytics Data Director (OCNADD)	23.2.0	23.2.0	OCNADD 23.2.0 supports upgrade from OCNADD 23.1.0. 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 23.2.0

NF Version	ASM	CNE	cnDBTier	CDCS	OSO	Kubernetes	CNC Console	3GPP
23.2.0	NA	23.1.x 22.4.x	23.1.x 22.4.x	NA	NA	1.24.x 1.23.x	23.1.x 22.4.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

The following table lists the compatibility matrix for OCNADD:

Table 3-4 Compatibility Matrix for OCNADD 23.2.0

Version	ASM	CNE	cnDB Tier	CDCS	OSO	Kubernetes	CNC Console	SCP	NRF	SEPP	3GPP
23.2.0.0.3	NA	23.2.x 23.1.x 22.4.x	23.2.x 23.1.x 22.4.x	NA	NA	1.25.x 1.24.x 1.23.x	23.2.x	23.2.x	23.2.x	23.2.x	OCNADD: NA SCP: Release 16 compliant NRF: Release 16 compliant SEPP: Release 16 compliant

Table 3-4 (Cont.) Compatibility Matrix for OCNADD 23.2.0

Version	ASM	CNE	cnDB Tier	CDCS	OSO	Kubernetes	CNC Console	SCP	NRF	SEPP	3GPP
23.2.0.0.2	NA	23.2.x 23.1.x 22.4.x	23.2.x 23.1.x 22.4.x	NA	NA	1.25.x 1.24.x 1.23.x	23.2.x	23.2.x	23.2.x	23.2.x	OCNADD: NA SCP: Release 16 compliant NRF: Release 16 compliant SEPP: Release 16 compliant
23.2.0.0.1	NA	23.2.x 23.1.x 22.4.x	23.2.x 23.1.x 22.4.x	NA	NA	1.25.x 1.24.x 1.23.x	23.2.x	23.2.x	23.2.x	23.2.x	OCNADD: NA SCP: Release 16 compliant NRF: Release 16 compliant SEPP: Release 16 compliant

Table 3-4 (Cont.) Compatibility Matrix for OCNADD 23.2.0

Version	ASM	CNE	cnDB Tier	CDCS	OSO	Kubernetes	CNC Console	SCP	NRF	SEPP	3GPP
23.2.0	NA	23.2.x 23.1.x 22.4.x	23.2.x 23.1.x 22.4.x	NA	NA	1.25.x 1.24.x 1.23.x	23.2.x	23.2.x	23.2.x	23.2.x	OCNADD: NA SCP: Release 16 compliant NRF: Release 16 compliant SEPP: 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 23.2.x.

Table 3-5 Common Microservices Load Lineup for OCNWDAF 23.2.0

NF Version	Alternate Route SVC	App-Info	ASM Configuration	ATS Framework	Config-Server	Debug-tool	Egress Gateway	Ingress Gateway	Helm Test	Mediation	NRF-Client	Perf-Info
23.2.0	NA	NA	NA	23.2.0	NA	NA	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 23.2.0:

Table 3-6 Common Microservices Load Lineup for OCNADD 23.2.0

Version	Alternate Route SVC	App-Info	ASM Configuration	ATS Framework	Config-Server	Debug-tool	Egress Gateway	Ingress Gateway	Helm Test	Mediation	NRF-Client	Perf-Info
23.2.0.0.3	NA	NA	NA	23.2.0	NA	NA	NA	NA	NA	NA	NA	NA
23.2.0.0.2	NA	NA	NA	23.2.0	NA	NA	NA	NA	NA	NA	NA	NA
23.2.0.0.1	NA	NA	NA	23.2.0	NA	NA	NA	NA	NA	NA	NA	NA
23.2.0	NA	NA	NA	23.2.0	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 3-7 Security Certification Declaration for OCNWDAF 23.2.0

NF Version	System testing on functional and security features	Regression testing on security configuration	Vulnerability testing	Fuzz testing on external interfaces
23.2.0	May 19, 2023	May 19, 2023	May 19, 2023	May 19, 2023

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

Table 3-8 Security Certification Declaration for OCNADD 23.2.0

NF Version	System test on Functional and Security features	Regression testing on security configuration	Vulnerability testing	Fuzz testing on external interfaces
23.2.0.0.3	December 5, 2023	December 5, 2023	December 5, 2023	December 5, 2023
23.2.0.0.2	August 18, 2023	August 18, 2023	August 18, 2023	August 18, 2023
23.2.0.0.1	May 11, 2023	May 11, 2023	May 11, 2023	May 11, 2023
23.2.0	May 11, 2023	May 11, 2023	May 11, 2023	May 11, 2023

3.5 Documentation Pack

All documents for Network Analytics Suite 23.2.0 available for download from the Secure Sites and My Oracle Support.

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 23.2.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 23.2.x.

OCNWDAF Resolved Bugs

Table 4-1 OCNWDAF 23.2.0 Resolved Bugs

Bug Number	Title	Description	Severity	Found in Release
35074225	Some pods fail to start after image is deployed when installing on DBTier cluster with multiple instances	The customer was installing OCNWDAF on a cnDBTier cluster with multiple instances, and some pods failed to start after the image was deployed. On verifying the logs of the failed instances, the following or similar errors were observed: *amf_notification' referenced by a foreign key constraint'amf_ue_event_report_ibfk_1' on table 'amf_ue_event_report'. [Failed SQL:(3730) drop table if exists `amf_notification`].* The issue was due to a few database creation scripts specifying the InnoDb engine, and this is not supported when NDB replication is enabled.	2	23.1.0

Table 4-1 (Cont.) OCNWDAF 23.2.0 Resolved Bugs

Bug Number	Title	Description	Severity	Found in Release
35318818	The nwdaf_subscription_notify feature is not getting 100% success result	Implementation of "*nwdaf_subscription_notify feature*" was not entirely successful. The following test cases failed: • Notification created for UE Mobility subscription • Notification created for Slice Load Level subscription • Notification created for NF Load subscription **Expected Result:** Successful implementation of the entire feature	3	23.1.0
35318795	Analytics Info test scripts are present in new-features and regression suites.	The "Analytics Info" test scripts were present in the new features and regression suites. These scripts must not be included as a part of the feature suite as they are not in the scope of the release.	3	23.1.0

Table 4-1 (Cont.) OCNWDAF 23.2.0 Resolved Bugs

Bug Number	Title	Description	Severity	Found in Release
35255779	NWDAF - 23.1.0 GUI functionalities are not working	The user accessed the NWDAF GUI through the CNC Console. The NWDAF GUI dashboard opened, and all the GUI options appeared. While accessing the GUI options, the GUI froze. It requested slices and cells over an incorrect local host URL instead of using the configured URL in the CNC Console.	3	23.1.0

Table 4-1 (Cont.) OCNWDAF 23.2.0 Resolved Bugs

Bug Number	Title	Description	Severity	Found in Release
35074153	Gateway and subscription service fail to answer to HTTP2 requests	In releases 22.1.0 and 23.1.0, it was observed when the NWDAF gateway or subscription services received HTTP requests in the HTTP2 format, the NWDAF rejected such requests. The Event Subscription service triggered the Data Collection service, which responded with an HTTP 404 response. The Data Collection service log displayed warning or error messages such as: *2023-02-02T16:36:37,302 [ocn-nwdaf-data-collection] WARN [http-nio-8081-exec-4] [06c95627-a2c4-428f-bc43-4de48ad80bc4] com.oracle.cgbu.ocn.nwdaf.datacollection.application.subscription.service.DataCollectionSubscriptionService.lambda lambda$retrieveEventNotifications$0:77 -*	3	23.1.0

Table 4-1 (Cont.) OCNWDAF 23.2.0 Resolved Bugs

Bug Number	Title	Description	Severity	Found in Release
		Event type UE_MOBILITY not supported yet		
35212772	One SQL export parameter is incomplete in Installation Guide	The export engine variable parameter mentioned in the "Installing NRF client" section of the Installation Guide was incomplete.	4	23.1.0

Note:

Resolved bugs from 22.1.x and 23.1.x have been forward ported to Release 23.2.0.

OCNADD Resolved Bugs

OCNADD 23.2.0.0.3 Resolved Bugs

There are no resolved bugs in this release. Resolved bugs from 22.0.x and 23.1.x have been forward ported to Release 23.2.0.0.3.

OCNADD 23.2.0.0.2 Resolved Bugs

Table 4-2 OCNADD 23.2.0.0.2 Resolved Bugs

Bug Number	Title	Description	Severity	Found In Release
35751205	Blocking Kafka 9092 Cleartext port for external access	Incoming traffic to 9092 Kafka Port was restricted.	3	23.2.0
35690437	Sensitive capabilities on DD GUI pod	The GUI pod had sensitive capabilities.	3	23.2.0
35751250	Merging 23.2.0.0.1 patch changes to 23.2.0.0.2	Forward ported the upgrade and rollback enhancement from OCNADD release 23.2.0.0.1 release to 23.2.0.0.2.	3	23.2.0

Table 4-2 (Cont.) OCNADD 23.2.0.0.2 Resolved Bugs

Bug Number	Title	Description	Severity	Found In Release
35575434	DD GUI is slow from computers with no external access	The GUI of the OCNADD instance through CNC Console was experiencing a lag.	3	23.1.0
35751170	Some DD pods have cluster-admin roles	The cluster or admin level privileges to Role and RoleBinding were restricted.	2	23.2.0
35749037	noTLS adapter are crashing after upgrade to 23.2.0.0.2	The adapter pods of the data feed created with noTLS were in "CrashLoopBack Off error" state post upgrade.	2	23.2.0.0.2

Note:

Resolved bugs from 22.0.x and 23.1.x have been forward ported to release 23.2.0.0.2.

OCNADD 23.2.0.0.1 Resolved Bugs

There are no resolved bugs in this release. Resolved bugs from 22.0.x and 23.1.x have been forward ported to Release 23.2.0.0.1.

OCNADD 23.2.0 Resolved Bugs

Table 4-3 OCNADD 23.2.0 Resolved Bugs

Bug Number	Title	Description	Severity	Found In Release
35069179	Adapter getting restarted when we make changes in the feed after restarting config service	Editing any feed with Oracle ciphers resulted in its adapter POD restarting.	3	23.1.0
35058236	OCNADD UI not Validating Data feeds Endpoints	The GUI did not validate invalid endpoints provided by users.	3	23.1.0

Table 4-3 (Cont.) OCNADD 23.2.0 Resolved Bugs

Bug Number	Title	Description	Severity	Found In Release
35052457	OCNADD: Incorrect correlation id observed in synthetic packet for specific x-request-id value	The synthetic packet *x-request-id* header value received by the third-party consumer did not match.	3	23.1.0
35039749	In Dashboard the Average Message Size per NF is incorrect	The "Average Message Size per NF" was incorrect in the GUI dashboard.	3	23.1.0
34827399	Discrepancy in OCNADD metrics - Tx messages are higher than Rx messages	The outgoing traffic handled by the Adapter service was higher than the incoming packets at Kafka due to Kafka consumer rebalancing.	3	23.1.0
34786365	OCNADD logging Error logs as INFO for Configuration service for when it is sending Notification to Adapter	The Configuration service logged a few ERROR logs as INFO when sending notifications to the Adapter.	3	23.1.0
35067498	For Synthetic feed, adapter is not raising alarm for 3rd party connection failure with low traffic	In the case of Synthetic packet feeds, the Adapter service did not raise an alarm when a third-party Pod went down while processing low traffic.	4	23.1.0
35063634	Improper description of the alarm - OCNADD02005: Third Party Connection Failure	The GUI displayed incorrect information for the "OCNADD02005: ThirdParty Connection Failure" alarm.	4	23.1.0

Note:

Resolved bugs from 22.0.x and 23.1.x have been forward ported to Release 23.2.0.

4.3 Known Bug List

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

OCNWDAF Known Bugs

The following table lists the known bugs for OCNWDAF Release 23.2.x.

Table 4-4 OCNWDAF 23.2.0 Known Bugs

Bug Number	Title	Description	Customer Impact	Severity	Found in Release
3541729	The *ue_mobility_notification_id* column has null value in the *cap4c_ue_notification* table	The *ue_mobility_notification_id* column has a null value in the *nwdaf_data_collection.cap4c_ue_notification* table.	No customer impact **Workaround**: No workaround available	3	23.2.0
35398099	AB and Ue_mobility subscriptions with ONE_TIME value in notifMethod send more than one notification	If UE Abnormal behaviour and UE subscriptions are created with ONE_TIME value in notifMethod, only one notification should be sent, but more than one notification are being sent.	There is no customer impact. However, duplicate reports cause user confusion. **Workaround**: No workaround available	3	23.2.0
35397011	NWDAF should cancel jobs in scheduler and Mesa	When a subscription is active, reports and notifications are created from MESA and CAP4C, but when the subscription is canceled, the jobs from both services should also be canceled.	There is no customer impact. This issue occurs within the simulators currently used by the OCNWDAF. **Workaround**: No workaround available	3	23.2.0

Table 4-4 (Cont.) OCNWDAF 23.2.0 Known Bugs

Bug Number	Title	Description	Customer Impact	Severity	Found in Release
35393789	UE and AB subscriptions can't be deleted	Some UE subscriptions cannot be deleted after creation.	There is no customer impact. This issue occurs within the simulators currently used by the OCNWDAF. **Workaround**: No workaround available	3	23.2.0

OCNADD Known Bugs

OCNADD 23.2.0.0.3 Known Bugs

There are no known bugs in this release. Known bugs from 23.2.x have been forward ported to Release 23.2.0.0.3.

OCNADD 23.2.0.0.2 Known Bugs

There are no known bugs in this release. Known bugs from 23.2.x have been forward ported to Release 23.2.0.0.2.

OCNADD 23.2.0.0.1 Known Bugs

There are no known bugs in this release. Known bugs from 23.2.0 have been forward ported to Release 23.2.0.0.1.

OCNADD 23.2.0 Known Bugs

The following table lists the known bugs for OCNADD Release 23.2.x.

Table 4-5 OCNADD 23.2.0 Known Bugs

Bug Number	Title	Description	Customer Impact	Severity	Found in Release
35386371	OCNADD services are not upgraded and rolled back in defined order.	When an upgrade (or rollback) is performed on the OCNADD, the services are not upgraded (or rolled back) in the desired order, leading to errors in some services.	Since the upgrade or rollback sequence is not defined, some service errors are expected. **Workaround**: No workaround available	3	23.2.0

Table 4-5 (Cont.) OCNADD 23.2.0 Known Bugs

Bug Number	Title	Description	Customer Impact	Severity	Found in Release
35396464	ocnadd sepp/nrf/scp aggregation pod CPU utilisation reaches 90% in case weighted load balancing or filtering feature is enabled with 64K MPS aggregated traffic	Resource utilization increases when load balancing or filtering is configured on Data Feeds at a higher throughput rate.	No customer impact **Workaround:** In case of higher resource utilization scenarios, the number of replicas can be increased.	3	23.2.0
35399574	Retry timer in synthetic feed should limit to some max value and resets after it	For any synthetic feed, the retry timer increases exponentially in case of any third party connection failure.	The retry window may become very large and prevent reconnection even after the third-party application comes up after being down for some time. **Workaround:** The Adapter pod can be restarted to reestablish the connection once the third party application is available.	3	23.2.0
35320886	Changes needed in the script generate_certs.sh to handle specifically the SAN in the client CSR	There is a request to introduce a few changes in the script for generating CSR to specifically handle the SAN in the client CSR.	No customer impact **Workaround**: No workaround available	3	23.1.0

Table 4-5 (Cont.) OCNADD 23.2.0 Known Bugs

Bug Number	Title	Description	Customer Impact	Severity	Found in Release
35398515	Install fails with "Error: container has runAsNonRoot and image will run as root"	"Error: failed pre-install" error is observed during installation. It can be due to the environment specific *PodSecurityPolicy.*	Installation may fail, for more information see, *Oracle Communications Network Analytics Suite Security Guide*. **Workaround**: No workaround available	3	23.1.0
35391713	Configuration Service is not exposing Prometheus Endpoint properly	Prometheus unable to scrape the data from the Configuration Service.	The Configuration Service status cannot be retrieved correctly. **Workaround**: No workaround available	3	23.2.0
35391812	Subscription is getting created for a Target Consumer which does not exist	Validation to verify if the target consumer name exists is missing.	No customer impact **Workaround**: No workaround available	3	23.2.0
35409766	OCNADD Performance: CPU Utilization for aggregation and adapter services observed on a higher side(>70%) on running 30K MPS synthetic packet runs	Higher resource utilization is observed for different load runs from SCP,NRF, and SEPP.	No customer impact **Workaround**: No workaround available	3	23.2.0

Table 4-5 (Cont.) OCNADD 23.2.0 Known Bugs

Bug Number	Title	Description	Customer Impact	Severity	Found in Release
35385608	Disassociation does not happen when filter type is changed from INGESS to EGRESS	Filter does not disassociate when the filter type is changed from Ingress to Egress.	The old filter continues filtering the data. **Workaround**: Deactivate or disassociate the filter before changing the filter type from Ingress to Egress.	3	23.2.0
35319683	Zookeeper showing only 2 instance instead of 3	GUI displays lesser number of Zookeeper instances while the correct number of instances are listed at the backend.	No customer impact, however, the incorrect information displayed causes user confusion. **Workaround**: No workaround available	3	23.2.0
34903802	MsgCopy Packet loss between SCP/NRF and OCDD-Kafka	For any long traffic runs from NFs, difference is observed between the total messages copied by NRF or SCP and the total messages received at Kafka.	No customer impact is expected if the producers run with Ack and retries. **Workaround**: No workaround available	3	22.0.0

Table 4-5 (Cont.) OCNADD 23.2.0 Known Bugs

Bug Number	Title	Description	Customer Impact	Severity	Found in Release
35385593	Older Aggregation entries not getting deleted upon simultaneous restart of config and aggregation pod	The Configuration service tries to reach the older pod IPs when multiple or simultaneous restarts of the Aggregation and Configuration services occur.	No customer impact **Workaround**: No workaround available	4	23.2.0
35340864	Service-name filter not filtering entire N12 nausf-auth call flow	This scenario is observed during lab simulation where the "Response" is received before the "Request".	No customer impact **Workaround**: No workaround available	4	23.2.0
35385541	Wrong endpoint URI and storage values in HealthDB	The UI Router and Cache services register with the Health Monitoring service using incorrect information.	No customer impact **Workaround**: No workaround available	4	23.2.0