Oracle® Communications

Network Analytics Suite Release Notes

Release 25.2.100
G41333-01
October 2025

Oracle Communications Network Analytics Suite Release Notes, Release 25.2.100

G41333-01

Contents

Preface

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

My Oracle Support

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

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

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

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

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

What's New in This Guide

This section lists the documentation updates for Network Analytics Suite release notes 25.2.1xx.

Release 25.2.100 - G41333-01, October 2025

OCNADD 25.2.100 Release

Updated the following sections with the details of OCNADD release 25.2.100:

- 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 25.2.1xx.

2.1 OCNADD Feature Descriptions

Release 25.2.100

Oracle Communications Network Analytics Data Director (OCNADD) 25.2.100 has been updated with the following enhancements:

- **UI for Metadata Configuration**: The metadata enrichment feature has been enhanced to configure the mapping rules and their priority for the generation of the Data Director metadata. It is possible to configure the priority and feed source mapping of the metadata rules corresponding to the metadata attributes. The Data Director UI has been enhanced to support the metadata attributes and their mapping rules configuration under the Global Configuration tab. For more information, see the *Oracle Communications Network Analytics Data Director User Guide*.
- **Filtering Enhancement**: Filtering has been enhanced to support filters on the "ingress-authority" and "previous-hop" fields present in the Data Director metadata. Priority during filtering will be given to the Data Director metadata if configured. For more information, see the *Oracle Communications Network Analytics Data Director User Guide*.
- **Extended Storage Support with Druid Integration**: In prior releases, extended storage was provided by integrating with the cnDBTier-based storage. However, retention was limited to a maximum of 24 hours. In the current release, Druid has also been added as an extended storage option. This option will enable higher data retention. Data Director provides integration with a Druid database deployed in the same cluster or a different cluster than Data Director. The Druid database cluster shall be managed by the customer, and Data Director shall only provide the integration to store and retrieve the xDRs from the Druid database. The deep storage in the Druid database can be any of the supported deep storage options. The Druid cluster can be shared by multiple DD sites for xDR storage. For more information, see the *Oracle Communications Network Analytics Data Director User Guide*.
- **Removing HNC Dependency**: The dependency on the HNS package for hierarchical namespace creation to support multiple worker groups has been removed. It is now possible to configure multiple worker groups without installing the HNS package. The HNS package has also been removed from the Data Director package. Users will be able to use multiple worker groups in the same manner as previously. For more information, see the *Oracle Communications Network Analytics Data Director Install, Upgrade, and Fault Recovery Guide*.
- **RAM-Based Storage Support for the Kafka Cluster**: This feature has been introduced to support RAM-based storage in the Kafka cluster. The feature provides higher throughput in cases where lower message retention with lower latency is required. This may require migration from CEPH-based persistent Kafka storage to RAM-based storage for existing deployments. For more information, see the *Oracle Communications Network Analytics Data Director User Guide*.

- **Performance Improvements**: Performance figures were benchmarked and added to the benchmarking guide. Performance has been verified with the CNLB-enabled OCCNE cluster:
  - Single TCP feed with 500K Ingress MPS and 500K Egress MPS
  - 500K MPS ingress with 2 TCP feeds with the following Egress rate:
    * 1 feed with 500K MPS (no filtering applied)
    * 1 feed with 5K MPS (only 1% traffic allowed via filtering)

  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 25.2.1xx. 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 OCNADD 25.2.100

Description	Version	ATS Version	Upgrade Supported
Oracle Communications Network Analytics Data Director (OCNADD)	25.2.100	25.2.100	OCNADD 25.2.100 supports the upgrade from 25.1.200. For more information, see *Oracle Communications Network Analytics Data Director Installation, Upgrade, and Fault Recovery Guide* .

3.2 Compatibility Matrix

> **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 3-2 Compatibility Matrix for OCNADD 25.2.100

Version	CNE	cnDBTier	OCI Adapter	OSO	ASM S/W	Kubernetes	OCCM	CNC Console	SCP	NRF	SEPP	BSF	PCF
25.2.100	• 25.1.2xx • 25.1.1xx	• 25.1.2xx • 25.1.1xx	• 25.1.2xx • 25.1.1xx	NA	NA	• 1.32.x • 1.31.x	• 25.1.2xx • 25.1.1xx	• 25.1.2xx • 25.1.1xx	• 25.1.2xx • 25.1.1xx	• 25.1.2xx • 25.1.1xx	• 25.1.2xx • 25.1.1xx	• 25.1.2xx • 25.1.1xx	• 25.1.2xx • 25.1.1xx

3GPP Compatibility Matrix

The following table lists the 3GPP compatibility matrix:

Table 3-3 3GPP Compatibility Matrix

NF	NF Version	3GPP
OCNADD	25.2.100	• OCNADD: NA • SCP: Release 16 compliant • NRF: Release 16 compliant • SEPP: Release 16 compliant • BSF: 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 OCNADD release 25.2.1xx:

Table 3-4 Common Microservices Load Lineup for OCNADD 25.2.100

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
25.2.100	NA	NA	NA	25.2.100	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 OCNADD:

Table 3-5 Security Certification Declaration for OCNADD 25.2.100

Compliance Test Description	Test Completion Date	Summary
Static Source Code Analysis *Additional Information: Assesses adherence to common secure coding standards*	17 September, 2025	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*	31 July, 2025	No unmitigated critical or high findings
Vulnerability Scans *Additional Information: Scans for CVEs in embedded 3rd party components*	31 August, 2025	No unmitigated critical or high findings
Malware Scans *Additional Information: Scans all deliverable software packages for the presence of known malware*	1 September, 2025	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 25.2.1xx 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 25.2.1xx.

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 25.2.1xx.

OCNADD Resolved Bugs

Resolved Bugs

Table 4-1 OCNADD 25.2.100 Resolved Bugs

Bug ID	Title	Description	Severity	Release Version
36745554	Adapter and Alarm pods in crash-loop when datafeed created with incorrect endpoint	If incorrect endpoints were configured in the destination for an HTTP2 feed, adapter and alarm pods entered a crash loop. **Doc Impact**: No Doc impact.	3	24.2.0
37490359	Frequent heartbeat loss alarm raised and cleared every few seconds.	Heartbeat loss alarms were being raised and cleared every few seconds. **Doc Impact**: No Doc impact.	3	25.1.100
37432163	One of the pcap export stops without any reason	When two exports were configured, one PCAP export stopped and stayed in progress with no export occurring. If traffic stopped and resumed after hours, the PCAP export did not resume. **Doc Impact**: No Doc impact.	3	25.1.100
37431732	Pcap export stops as soon the config service restarts	PCAP and CSV exports were running, but after the configuration service was restarted, the PCAP export stopped. **Doc Impact**: No Doc impact.	3	25.1.100
37403907	Storage adapter does not resume storing xDR after upgrade	After upgrade from 24.2.0, storage of xDRs stopped in the storage adapter. **Doc Impact**: No Doc impact.	3	25.1.100
38037643	UI dashboard page becomes unresponsive when user clicks on pvc utilization tab	The UI dashboard became unresponsive when clicking on the PVC utilization tab for a controller. **Doc Impact**: No Doc impact.	3	25.1.200

Table 4-1 (Cont.) OCNADD 25.2.100 Resolved Bugs

Bug ID	Title	Description	Severity	Release Version
37997391	"Bad Request" error logs when config service is restarted	Configuration service logged "Bad Request" client exceptions on restart. If the admin service returned a 400 error for existing deployments, it was not correctly handled. **Doc Impact**: No Doc impact.	3	25.1.200
37990843	Proper error is not being displayed when filter values are not properly filled	The error message for invalid filter values was not clear or informative. **Doc Impact**: No Doc impact.	3	25.1.200
37990808	Filter dynamic values are being populated from browser cache	Filter dynamic values were populated from the browser cache instead of via new API calls. **Doc Impact**: No Doc impact.	3	25.1.200
37965808	Loss of Heartbeat Alarm is raised for workerGroup when there is no wg added	Loss of heartbeat alarm was raised for a worker group that had not been added, possibly due to older database entries. **Doc Impact**: No Doc impact.	3	25.1.200
37914403	"loss of connection" alarm with kraft-controller is not getting cleared	After Kraft migration from Zookeeper in 25.1.200, the loss of connection alarm was not cleared even though all controller pods were running. **Doc Impact**: No Doc impact.	3	25.1.200
38019752	Warnings while installing DD with with IntraTLS false with OCCM	Installing with IntraTLS false and OCCM resulted in warnings about unknown fields "mountPath" and "readOnly" during deployment. **Doc Impact**: No Doc impact.	4	25.1.200
37994508	"TLS handshake failed" warning logs on every services	"TLS handshake failed" warnings logged at midnight when mutual TLS was enabled, not seen when mutual TLS was disabled. **Doc Impact**: No Doc impact.	4	25.1.200
37990804	Alarm list does not change to selected WG when WG is switched from Ask-Oracle	When switching worker groups on the alarm page, the alarm list did not reflect the selected group unless the page was refreshed. Switching from the datafeed page worked fine. **Doc Impact**: No Doc impact.	4	25.1.200

4.3 Known Bug List

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

OCNADD Known Bugs

The following table lists the known bugs for OCNADD Release 25.2.1xx.

Table 4-2 OCNADD 25.2.100 Known Bugs

Bug Number	Title	Description	Severity	Found In Release	Customer Impact and Workaround
37995257	TSR Discrepancy Alarm is raised even when the TSR configuration is deleted and re-created	The discrepancy alarm raises when you delete and recreate the two-site redundancy configuration. Some configuration remains during deletion, causing the discrepancy on recreation.	3	25.1.200	**Impact:** User may be confused by the discrepancy alarm, even when no discrepancy exists. **Workaround:** None
37983780	Ingress adapter crashes continuously when all kafka-brokers are down	The ingress adapter restarts continuously when all Kafka broker pods are down. Restarting stops after bringing the Kafka pods back up.	3	25.1.200	**Impact:** The ingress adapter may not work correctly when Kafka brokers are down. **Workaround:** None
38437217	Kafka brokers down after disabling External access	Kafka brokers restart after disabling external access during broker extension. FQDNs update, and external access is disabled in the worker group. Traffic does not reach from SCP until the SCP worker pod restarts.	3	25.1.200	**Impact:** Traffic may stop if communication between network functions and data distribution interrupts. **Workaround:** Verify DD configuration and broker instances. If traffic still does not reach DD, check NF configuration and logs, and restart NF worker/ gateway pod if needed.
38413911	Aggregation feed creation leads to UI un-responsive	When creating an aggregated feed, clicking the submit button shows a 500 internal error, and the UI becomes unresponsive.	3	25.1.200	**Impact:** The UI may become inaccessible. **Workaround:** Option 1: Delete the MAIN topic, then create the aggregated feed. Option 2: Create the aggregated feed with the topic's partition count and retention time matching the MAIN topic.

Table 4-2 (Cont.) OCNADD 25.2.100 Known Bugs

Bug Number	Title	Description	Severity	Found In Release	Customer Impact and Workaround
38394514	"Total Length" is given as 0 if xDR has only 1 PDU	The "Total Length" of XDR is zero if the XDR contains only one PDU.	3	25.1.200	**Impact:** No impact. **Workaround:** None.
38371911	DD feeds inactive after DD resizing activity. RCA Required	After resizing the data distribution deployment with changes to pods and topic partitions, feeds remain inactive after the service restart.	3	25.1.200	**Impact:** Feeds show no traffic and status is inactive. **Workaround:** Restart the SCPAggregation service.
38187166	Loss of Heartbeat alarm for secondary Redundancy agent is not getting cleared	The loss of heartbeat alarm from the secondary redundancy agent does not clear after the agent restarts. The primary agent alarm clears as expected.	3	25.1.200	**Impact:** No impact. **Workaround:** None.
38421397	After resizing, new Kafka broker pods are in CrashLoopBackOff post helm upgrade	Increasing the Kafka broker pod count from 3 to 5 causes new pods to enter a CrashLoopBackOff state due to incomplete storage format updates during expansion.	3	25.1.200	**Impact:** New brokers do not work and the Kafka cluster may be unhealthy. **Workaround:** Update the scripts-config.yaml with the specified storage format commands, then perform a helm upgrade. If you previously increased kafkaReplica count before applying this, revert to the original count, perform helm upgrade, wait for pod stability, and delete the PVC created for the new replica before retrying.
38300170	OCNADD metric Latency_critical_threshold_crossed alert level of 100%	The latency critical threshold alert triggers at low traffic rates in high-performance profiles due to rebalancing and excessive partitions.	3	24.3.0	**Impact:** The critical latency alert may trigger incorrectly. **Workaround:** Reduce the number of adapter pods by adjusting the HPA minimum and maximum replicas, scale down to zero, and then scale up to the desired number. Ignore or disable the alert if other features increase latency beyond the threshold.

Table 4-2 (Cont.) OCNADD 25.2.100 Known Bugs

Bug Number	Title	Description	Severity	Found In Release	Customer Impact and Workaround
38426124	Health Profile not found for serviceId	Kafka-broker pod remains pending because it attempts heartbeats with service IDs no longer registered in the Health Service. This does not affect data flow.	3	24.3.0	**Impact:** User may be confused by the log messages. **Workaround:** None.
38289680	Message sequencing not working for REQUEST_RESPONSE type mode	Message sequencing does not work when set to REQUEST_RESPONSE mode with a specific expiry timer. The sequencing guarantees request and response pairs separately but not full transaction sequence.	3	24.2.1	**Impact:** No impact. **Workaround:** None.
36666809	DD-GUI : "Done" button not getting active after saving kafka-template configuration	The "Done" button in DD-GUI does not activate after saving Kafka-template configuration. Message sequencing order is not as expected due to correlation ID sequence.	4	24.2.0	**Impact:** No impact. **Workaround:** None.
38023343	Alarm does not raise or raised with invalid Alarm's additional detail value in secondary site, when its admin svc down and config creation or sync action performed in Primary site	Alarm does not raise or raises with invalid details when the admin service is down on the secondary site, especially after configuration or synchronization actions from the primary site.	4	25.1.200	**Impact:** User may not see alarms or may see incorrect alarm details. **Workaround:** None.
38055171	Non-Oracle NF showing as "Not Sending Data" even if the NON_ORACLE topic is getting updated with traffic	The UI incorrectly shows "Non-Oracle" network functions as not sending data, even when the data is flowing correctly to third-party topics.	4	25.1.200	**Impact:** User receive incorrect feed status. **Workaround:** None.
38228101	The screen goes to top when we expand the Metadata attribute that be below in the list	The screen jumps to the top when expanding metadata attributes lower in the list. The view should remain at the expanded position.	4	25.1.200	**Impact:** The UI alignment is improper. **Workaround:** None.