Oracle® Communications
Network Analytics Suite Release Notes

Release 25.1.200
G32796-02
August 2025

ORACLE®

Contents

Preface

- [Documentation Accessibility](#)
- [Diversity and Inclusion](#)
- [Conventions](#)

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 25.1.2xx.

Release 25.1.200 - G32796-02, August 2025

OCNADD 25.1.200 Release

Updated the following sections with the details of OCNADD release 25.1.200:

- [Media Pack](#)
- [Compatibility Matrix](#)
- [Common Microservices Load Lineup](#)

Release 25.1.200 - G32796-01, July 2025

OCNADD 25.1.200 Release

Updated the following sections with the details of OCNADD release 25.1.200:

- [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 25.1.2xx.

2.1 OCNADD Feature Descriptions

Release 25.1.200

Oracle Communications Network Analytics Data Director (OCNADD) 25.1.200 has been updated with the following enhancements:

- **DD Metadata Enhancement**: The metadata enrichment feature has been improved to support mapping rules and rule priority for Data Director metadata generation. Users can now configure the priority of metadata rules. The system will match rules, enrich metadata according to the matching rule, and evaluate rules based on the configured priority. Additionally, several new metadata attributes have been added to the enrichment feature, which can also be utilized for L3L4 mapping configuration. These new attributes are:

  – Previous-hop

  – Egress-authority

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

- **Zookeeper Deployment Replaced With Kraft Controller**: Support for Zookeeper-based Kafka clusters has been discontinued. Going forward, Kafka clusters will be managed using the Kraft controller. This release includes migration support to facilitate the transition from Zookeeper to Kraft-based deployments for existing setups. For more information, see the *Oracle Communications Network Analytics Data Director Install, Upgrade, and Fault Recovery Guide*.

- **Performance Improvements**: Performance benchmarks have been added to the benchmarking guide. The following performance figures were verified with the CNLB-enabled OCCNE cluster:

  – TCP feed: 360K MPS with a single feed

  – 360K MPS ingress with four feeds and the following egress rates:

    * 1 TCP feed with 360K MPS (no filtering)

    * 2 TCP feeds with 36K MPS (10% traffic allowed through filtering)

    * 1 HTTP2 feed with 16K MPS (5% traffic allowed through filtering)

> ⓘ **Note**
>
> The 360K MPS ingress is applicable only for SCP traffic, and maximum supported aggregated ingress traffic from multiple NFs is 270K MPS.

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 25.1.2xx. 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 25.1.200

Description	Version	ATS Version	Upgrade Supported
Oracle Communications Network Analytics Data Director (OCNADD)	25.1.200	25.1.202	OCNADD 25.1.200 supports the upgrade from 25.1.1xx and 24.3.x. 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 25.1.200

Version	CNE	cnDBTier	OCI Adapter	OSO	ASM S/W	Kubernetes	OCCM	CNC Console	SCP	NRF	SEPP	BSF	PCF
25.1.200	• 25.1.2xx • 25.1.1xx • 24.3.x	• 25.1.2xx • 25.1.1xx • 24.3.x	• 25.1.2xx • 25.1.1xx • 24.3.x	NA	NA	• 1.31.x • 1.30.x • 1.29.x	• 25.1.2xx • 25.1.1xx • 24.3.x	• 25.1.2xx • 25.1.1xx • 24.3.x	• 25.1.2xx • 25.1.1xx • 24.3.x	• 25.1.2xx • 25.1.1xx • 24.3.x	• 25.1.2xx • 25.1.1xx • 24.3.x	• 25.1.2xx • 25.1.1xx • 24.3.x	• 25.1.2xx • 24.3.x

3GPP Compatibility Matrix

The following table lists the 3GPP compatibility matrix:

Table 3-3　3GPP Compatibility Matrix

NF	NF Version	3GPP
OCNADD	25.1.200	• 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 25.1.2xx:

Table 3-4   Common Microservices Load Lineup for OCNADD 25.1.200

Version	Alter nate Rout e SVC	App-Info	ASM Confi gurat ion Chart	ATS Fram ewor k	Confi g-Serv er	Debu g-tool	Egre ss Gate way	Ingre ss Gate way	Helm Test	Medi ation	NRF-Clien t	Perf-Info
25.1.200	NA	NA	NA	25.1.2 02	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 25.1.200

Compliance Test Description	Test Completion Date	Summary
Static Source Code Analysis *Additional Information: Assesses adherence to common secure coding standards*	21 May, 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*	12 May, 2025	No unmitigated critical or high findings
Vulnerability Scans *Additional Information: Scans for CVEs in embedded 3rd party components*	2 July, 2025	No unmitigated critical or high findings
Malware Scans *Additional Information: Scans all deliverable software packages for the presence of known malware*	3 June, 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 25.1.2xx 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 25.1.2xx.

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 25.1.2xx.

OCNADD Resolved Bugs

Resolved Bugs

Table 4-1   OCNADD 25.1.200 Resolved Bugs

Bug ID	Title	Description	Severity	Release Version
37522663	kraft-controller detail not listed on UI dashboard	The Kafka was deployed in Kraft controller mode, but the details of the Kraft controller were not visible on the UI's services list. **Doc Impact**: There is no doc impact.	3	25.1.100
37516495	DD High adapter latency in Production	The third-party application recorded a higher average latency for the end-to-end message from the user's device to the third-party system. **Doc Impact**: There is no doc impact.	3	24.2.0
37514557	DD generating corrupted synthetic packets	The third-party application reported issues with some packets generated by the synthetic feed, which were found to be incorrect. **Doc Impact**: There is no doc impact.	3	24.2.0
37510716	SUPI filter not getting applied correctly in trace	The SUPI filter encountered an issue where the actions 'allow' and 'deny' produced incorrect outcomes when applied in the tracing window. **Doc Impact**: There is no doc impact.	3	25.1.100
37496136	UI not showing all the opened alarm	In the current release, a limitation was observed regarding the display of alarms. The system could only show a maximum of 1000 alarms for each severity type, including critical, major, minor, info, and warning. **Doc Impact**: There is no doc impact.	3	25.1.100

Table 4-1 (Cont.) OCNADD 25.1.200 Resolved Bugs

Bug ID	Title	Description	Severity	Release Version
37467260	DD 24.2.0 || Segmentation does not work as expected	The TCP segmentation for the synthetic feed exhibited an issue where a few packets exceeded the configured segmentation length. **Doc Impact**: There is no doc impact.	3	24.2.0
37459530	Data Director synthetic adapter opens idle TCP connections	The Data Director Synthetic Feed Adapter opened more connections than the configured number. These excess connections remained idle because no data was transmitted over them. **Doc Impact**: There is no doc impact.	3	24.2.0
37411881	Occasional Kafka Feed Creation Error for Correlated Kafka Feed	Occasionally, the creation of a Correlated Kafka Feed failed. Although the Admin service successfully created a topic, the process subsequently failed with an unknown exception. **Doc Impact**: There is no doc impact.	3	25.1.100
37405526	HPACK incorrect in synthetic feed	The Data Director (DD) did not correctly advertise HPACK in the synthetic fields. According to the RFC, DD was supposed to implement static-only HPACK, but it incorrectly advertised support for dynamic HPACK, even though it did not actually use dynamic indexing. **Doc Impact**: There is no doc impact.	3	24.2.0
37404206	Alarm for "topic not available" gets cleared even if the topic is not created	When a Kafka topic was not available, the 'Topic Unavailable' alarm was raised and then incorrectly cleared. The alarm should have remained active because the topic had not been created, and the new event should have been added to the existing alarm instead of clearing it. **Doc Impact**: There is no doc impact.	3	25.1.100

Table 4-1   (Cont.) OCNADD 25.1.200 Resolved Bugs

Bug ID	Title	Description	Severity	Release Version
37375067	DD UI: For alarm date query future data is being highlighted by default	When selecting an end date for an alarm, a future date was incorrectly displayed as the end date. **Doc Impact**: There is no doc impact.	3	25.1.100
37543035	UI not accessible after configuration service re-start	After creating a correlation configuration, the UI became inaccessible when the Configuration service was restarted for any reason. **Doc Impact**: There is no doc impact.	3	25.1.100
37149677	Adapter feed down until adapter is rebooted	When the consumer adapter feeds experienced frequent disconnections from the third-party service, the Kafka stream processing threads sometimes became detached from the consumer group and stopped consuming data. **Doc Impact**: There is no doc impact.	3	24.2.0
37556884	ATS execution stops abruptly sometimes for ACL execution	The ATS test suite execution occasionally stopped when testing features that required Kafka ACL support. **Doc Impact**: There is no doc impact.	3	25.1.100
37407778	CPU Overload false alarms are getting generated	The Health Monitoring service reported CPU overload logs, but the actual CPU usage, as measured by Prometheus metrics, did not exceed the threshold. **Doc Impact**: There is no doc impact.	4	25.1.100

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 25.1.2xx.

Table 4-2   OCNADD 25.1.200 Known Bugs

Bug Number	Title	Description	Severity	Found In Release	Customer Impact and Workaround
3674555 4	Adapter and Alarm pods in crash-loop when datafeed created with incorrect endpoint	The HTTP2 feed malfunctions when incorrect endpoints are configured in the destination endpoint.	3	24.2.0	**Impact:** Too many alarms and logs may cause the ephemeral storage usage to exceed resulting in the POD restart. **Workaround:** An incorrect third-party endpoint is provided, and the error is as follows: OCL 2024-06-18T14:52: 53.351Z ERROR 1 --- [-StreamThread-2] c.o.c.c.o.C.s.t.Topol ogyBuilderImpl : An error occurred while processing the message. Error: Failed to resolve 'ocnaddthirdpartyc onsumeroracle3.kp -wg1' [A(1), AAAA(28)] after 2 queries. To resolve the issue: 1. Edit the feed and correct the endpoint so that traffic starts reaching the third-party service. 2. If the correct endpoints are not available at present but will be available in the future, edit the feed and change the "Data reach failure" parameter value from "Do not try again"

Table 4-2   (Cont.) OCNADD 25.1.200 Known Bugs

Bug Number	Title	Description	Severity	Found In Release	Customer Impact and Workaround
					to "Keep trying". 3. Manually delete adapter pods in the ERROR state using the following command: `kubectl delete pods --field-selector status.phase=Failed -n <namespace>`.
3749035 9	Frequent heartbeat loss alarm raised and cleared every few seconds.	Heartbeat loss alarms are repeatedly raised and cleared every few seconds.	3	25.1.100	**Impact:** It may cause the alarmDB to be flooded **Workaround:** NA
3743216 3	One of the pcap export stops without any reason	When two exports are configured, one of the PCAP exports stops and remains in an "in progress" state, but no export occurs. It is also observed that PCAP export does not resume when traffic stops and resumes after a few hours.	3	25.1.100	**Impact:** The PCAP export will be stopped. **Workaround:** Restart the export service
3743173 2	Pcap export stops as soon the config service restarts	PCAP export stops when the configuration service is restarted, even though PCAP and CSV exports are configured and export works continuously.	3	25.1.100	**Impact:** The PCAP export will be stopped. **Workaround:** NA
3740390 7	Storage adapter does not resume storing xDR after upgrade	Upgrading from 24.2.0 stops the storage of xDRs.	3	25.1.100	**Impact:** The storage of the xDRs is stopped after the upgrade. **Workaround:** The corresponding storage adapter should be restarted.

Table 4-2   (Cont.) OCNADD 25.1.200 Known Bugs

Bug Number	Title	Description	Severity	Found In Release	Customer Impact and Workaround
38037643	UI dashboard page becomes unresponsive when user clicks on pvc utilization tab	The UI page becomes unresponsive when a user clicks on PVC utilization for the Kafka or Kraft controller.	3	25.1.200	**Impact:** The user may not be able to see the PVC utilization details. **Workaround:** NA
37997391	"Bad Request" error logs when config service is restarted	The configuration service logs error with "Bad Request" client exception when restarted. This happens due to the fact that admin service returns the 400 bad request in case the "deployment already exist", the configuration service is not handling this message and logs error in the log.	3	25.1.200	**Impact:** The user confusion can be caused because of the error being logged, however, there is no issue in the configuration or the admin services. **Workaround:** NA
37995257	TSR Discrepancy Alarm is raised even when the TSR configuration is deleted and re-created	The discrepancy alarm raised when the two site redundancy configuration is deleted and recreated again. It is suspected that during the deletion of the TSR configuration, some configuration still left in the configuration or redundancy agent which is causing the discrepancy during TSR recreation.	3	25.1.200	**Impact:** The user confusion can be caused because of the discrepancy alarm even though there is no discrepancy exist. **Workaround:** NA
37990843	Proper error is not being displayed when filter values are not properly filled	The validation failure message is not user-friendly and does not mention the cause of the validation failure.	3	25.1.200	**Impact:** The user is not getting the appropriate information from the error message on UI. **Workaround:** NA

Table 4-2 (Cont.) OCNADD 25.1.200 Known Bugs

Bug Number	Title	Description	Severity	Found In Release	Customer Impact and Workaround
37990808	Filter dynamic values are being populated from browser cache	The dynamic values for the filter conditions are populated from the browser cache. The values should be populated from the new API call instead of the browser cache.	3	25.1.200	**Impact:** The user may use old or incorrect values to create filters, which can result in incorrect messages being passed to the third-party application. **Workaround:** Clear the browser cache and then create the filters.
37983780	Ingress adapter crashes continuously when all kafka-brokers are down	The ingress adapter continuously restarts when Kafka broker pods are brought down and stops restarting when the pods are brought up again.	3	25.1.200	**Impact:** The ingress adapter may not work correctly when the Kafka brokers are down. **Workaround:** NA
37965808	Loss of Heartbeat Alarm is raised for workerGroup when there is no wg added	The loss of heart beat alarm being raised for the worker group which has not been added yet. This could be due to the presence of older entry in the health DB.	3	25.1.200	**Impact:** It can cause confusion to the user. **Workaround:** NA
37914403	"loss of connection" alarm with kraft-controller is not getting cleared	The "loss of connection" alarm for the Kraft controller is not cleared after Kraft migration is completed and all Kraft controller pods are running fine.	3	25.1.200	**Impact:** No Customer Impact **Workaround:** NA
36666809	DD-GUI : "Done" button not getting active after saving kafka-template configuration	The "Done" button does not become active after clicking the "Save" button when editing the kafka-template configuration.	4	24.2.0	**Impact**: No Customer Impact **Workaround**: NA
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	No alarm is raised when the admin service is not available in the secondary site and mate configuration is created. A sync discrepancy alarm is raised with invalid additional information when the admin service is not available in the secondary site and mate sync action is performed.	4	25.1.200	**Impact**: User will not see alarm or see incorrect alarm details. **Workaround**: NA

Table 4-2   (Cont.) OCNADD 25.1.200 Known Bugs

Bug Number	Title	Description	Severity	Found In Release	Customer Impact and Workaround
38019752	Warnings while installing DD with with IntraTLS false with OCCM	Unknown field warnings are observed when DD is installed with intraTLS false and OCCM is used. W0601 10:25:57.161561 1963961 warnings.go:70] unknown field "spec.template.spec.containers[0].env[82].mountPath" W0601 10:25:57.161612 1963961 warnings.go:70] unknown field "spec.template.spec.containers[0].env[82].readOnly"	4	25.1.200	**Impact**: No Customer Impact **Workaround**: NA
37994508	"TLS handshake failed" warning logs on every services	A "TLS handshake failed" warning log is generated on all DD services at exactly 00:00:00 hours when DD is deployed with mTLS true. This issue is not seen with mTLS false	4	25.1.200	**Impact**: No Customer Impact **Workaround**: NA
37990804	Alarm list does not change to selected WG when WG is switched from Ask-Oracle	When switching worker groups, the alarm page displays the alarm of the previous worker group instead of the selected one, unless the page is refreshed again. The switching of alarm via "switch WG" from datafeed page works fine	4	25.1.200	**Impact**: No Customer Impact **Workaround**: NA