

Oracle® Communications

EAGLE Element Management System

Release Notice



Release 47.0.0.2.0
G58126-01
October 2026

ORACLE®

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What's New in This Guide

This section introduces the documentation updates for Release 47.0.0.2.0 in Oracle Communications EAGLE Application Processor Release Notes

Release 47.0.0.2.0 - G58126-01, October 2026

Updated the following sections with the details for Release 47.0.0.2.0:

- [Media Pack](#)
- [Security Certificate Declaration](#)
- [Resolved Bug List](#)
- [Customer Known Bug List](#)

1

Introduction

This Release Notice includes feature descriptions, media and documentation pack contents, and product compatibility; and identifies the supported upgrade paths and migration paths (if applicable). This document includes listings for both the resolved and known bugs for this release. Directions for accessing key Oracles sites and services are also identified in the [Oracle References and Services](#) chapter.

Release Notices are included in the documentation pack made available with every software release.

Introduction

Oracle Communications EAGLE Element Management System (OCEEMS) consolidates real-time management at a centralized point within the signaling network to provide a consistent approach for configuring and monitoring the client's network.

2

Feature Descriptions

This chapter provides a summary of each feature released in EMS 47.0.

Support for OL 8.x/RHEL 8.x

OCEEMS 47.0 implements the OCEEMS migration from OL7.x to OL 8.x. The OCEEMS servers have to do a migration from OL7.x to OL 8.x as explained in the Install/Upgrade Guide of OCEEMS 47.0. OCEEMS 47.0.0.0.0 uses OL 8.8.

OCEEMS also works with RHEL 8.x.

Note

For any support on the RHEL installation/upgrade/security patch updates, customers should contact RHEL Support.

Support for MySQL 8.4

OCEEMS uses MySQL to store all the data of the Eagle/EPAP/LSMS inventory, alarms, measurements, and so on. OCEEMS 47.0 has been upgraded to use MySQL 8.4.

Support for Java 17

EMS 47.0 supports Java 17. Previous releases supported Java 1.8.

Support for SNMPv3

EAGLE 47.0 supports SNMPv3, hence OCEEMS 47.0 supports SNMPv3 for Eagle. SNMPv3 is more secure than SNMPv2c. SNMPv3 ensures improved user authentication and encryption in data transmission as compared to SNMPv2c.

Support for savelogs Feature

It has been a cumbersome task to collect logs from production when an issue needs to be investigated. By the time the logs get collected, the important logs are already rolled over and lost in many instances. OCEEMS 47.0 introduces savelogs feature where the customer or support staff can run a simple command and all the required logs will be saved in the machine in compressed format. The user now has the option to select which modules, how many log files from the modules can be collected depending on the need to debug the issue.

Automatic Prune Binary Logs in EMS

Many customers have DUAL (Primary-Secondary) set up in the production wherein MySQL replication happens through binary logs. After several months of operations, the binary logs fill the disk space and customer/support team needs to delete unwanted binary log files manually. OCEEMS 47.0 introduces automatic pruning of binary logs in the OCEEMS servers. Customers do not need to manually prune the binary logs after OCEEMS 47.0

Support for TLSv1.3

OCEEMS 47.0 supports TLSv1.3. Earlier OCEEMS releases supported TLSv1.2.

Removal of Struts from EMS 47.0

Until OCEEMS 46.x, struts framework was used. In OCEEMS 47.0, struts has been removed.

E5MS System Resoration to the Original State

Earlier, when a previous OCEEMS backup was used for restore, some fiels and folders created in the system after the backup creation were still present after the restore. EMS 47.0 resolves that issue. After the restore, OCEEMS will be exact same as it was on the day of backup creation.

Installing rsyslog on EMS

Customers can follow the procedure provided in OCEEMS 47.0 and configure their OCEEMS servers to send system logs to a remote server.

Remediating WebNMS framework to latest third party packages

OCEEMS uses WebNMS framework. The WebNMS framework uses many third-party packages that were upgraded to latest versions available.

Enhancement Bugs

OCEEMS 47.0 supports the following enhancement bugs:

Bug Number	Title
36655216	Remediate WebNMS framework to latest third-party packages
35906227	OL 8.x Support in EMS
36655228	MySQL 8.x Support in EMS
36655232	Java 17 Support in EMS
36655233	SNMPv3 Support in EMS
36655242	savelogs feature
36655245	Automatic Prune Binary Logs in EMS
36655251	Remove Struts from EMS

Bug Number	Title
33064448	E5MS system should be restored to the original state
36215325	Install rsyslog on EMS

Operational Changes

OCEEMS 47.0 was tested with Java Runtime Environment version JDK 17 (jdk-17-17-ga.x86_64).

OCEEMS 47.0 uses i-net 23.x Clear Reports version.

To launch EMS-47 GUI, download and install OpenWebStart (1.9.0) software.

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Media and Documentation

Oracle Communications software is available for electronic download on the Oracle Software Delivery Cloud (OSDC). Documentation is delivered electronically on the Oracle Help Center (OHC). Both the software Media Pack and Documentation Pack are listed in this chapter.

Media Pack

All components available for download from the Oracle Software Delivery Cloud (<https://edelivery.oracle.com/>) are in the following table.

Note

This list is accurate at the time of release, but is subject to change. See the Oracle Software Delivery Cloud website for the latest information.

Table 3-1 Media Pack Contents for 47.0.0.2.0

Description
Oracle Communications EAGLE Element Management System 47.0.0.2.0-470.2.1
Oracle Communications EAGLE Element Management System 47.0.0.2.0-470.2.1 MIBS
Oracle Communications EAGLE 47.0 Help Files
Oracle Communications EAGLE 47.1 Help Files
Oracle Communications EAGLE 48.0 Help Files

Description
Oracle Communications EAGLE Element Management System Reporting Studio 47.0.0.2.0-470.2.1

Table 3-2 Media Pack Contents for 47.0.0.1.0

Description
Oracle Communications EAGLE Element Management System 47.0.0.1.0-470.2.1
Oracle Communications EAGLE Element Management System 47.0.0.1.0-470.0.1 MIBS
Oracle Communications EAGLE 47.0 Help Files
Oracle Communications EAGLE 47.1 Help Files
Oracle Communications EAGLE 48.0 Help Files

Table 3-3 Media Pack Contents for 47.0

Description
Oracle Communications EAGLE Element Management System 47.0.0.0.0-470.1.1
Oracle Communications EAGLE Element Management System 47.0.0.0.0-470.1.0 MIBS

Table 3-3 (Cont.) Media Pack Contents for 47.0

Description
Oracle Communications EAGLE 47.0 Help Files
Oracle Communications EAGLE 47.1 Help Files
Oracle Communications EAGLE 48.0 Help Files

Description
Oracle Communications EAGLE Element Management System Reporting Studio 47.0.0.0.0-470.1.0

Installed Patches

OCEEMS 47.0.0.0.0 uses Zoho (WebNMS) release 5.2 patch SP1.50, further updated by Oracle for OCEEMS 47.0.0.0.0.

Documentation Pack

All documents available for download from the Oracle Help Center (OHC) site (<http://docs.oracle.com/en/industries/communications/>) are listed in [Table 3-4](#).

Note

This list is accurate at the time of release, but it is subject to change. See the Oracle Help Center for the latest information.

Table 3-4 Documentation Pack Contents

Release Notices and Licensing Information User Manuals
EMS Release Notice
EMS Licensing Information User Manual
Reporting Studio Licensing Information User manual
EAGLE Compatibility Matrix
Core OCEEMS Documentation
Interface User's Guide
Security Guide
System Health Check Guide
Hardware, Installation, and Maintenance Documentation
Install/Upgrade Guide
Reporting Studio Installation/Upgrade Guide

4

Supported Upgrade Paths

This release has been tested for upgrade from specific prior releases. This chapter contains the exact paths for upgrade. Please verify your current installed release is listed on a valid upgrade path.

Supported Upgrade Paths

The possible upgrade paths to OCEEMS Release 47.0 are listed in the following table.

Table 4-1 OCEEMS Release 47.0 Upgrade Paths

From	To
OCEEMS Release 46.6	OCEEMS Release 47.0

Note

Any upgrade other than listed above is not recommended or supported. Version 47.0 is also supported as a new or fresh installation.

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Product Compatibility

This section shows release-specific compatibility with other related products.

Product Compatibility

Refer to EAGLE *Compatibility Matrix* for the product compatibility between this product release and the releases of other products.

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Security Certificate Declaration

This section provides information on the list of security tests conducted, and the dates of their completion.

Table 6-1 Security Certificate Declaration

Security Test Description	Test Completion Date	Summary
Static Source Code Analysis Assesses adherence to common secure coding standards	30th May 2026	Priority Critical findings addressed.
Dynamic Analysis (including fuzz testing) Tests for risk of common attack vectors such as OWASP Top 10 and SANS 25	08th April 2026	All Critical and High findings addressed.
Vulnerability Scans Scans for CVEs in embedded 3rd party components	30th May 2026	Priority Critical and High findings addressed.
Malware Scans Scans all deliverable software packages for the presence of known malware	21st April 2026	No Findings

Resolved and Known Bugs

This chapter lists the resolved and known bugs for EMS Release 47.0.

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.

Severity Definitions

The problem report sections in this document refer to bug severity levels. Definitions of these levels can be found in the publication, *TL 9000 Quality Management System Measurement Handbook*.

Problem Report: A report from a customer or on behalf of the customer concerning a product or process defect requesting an investigation of the issue and a resolution to remove the cause. The report may be issued via any medium.

Problem reports are systemic deficiencies with hardware, software, documentation, delivery, billing, invoicing, servicing, or any other process involved with the acquisition, operation, or performance of a product. An incident reported simply to request help to bring back the service or functionality to normal without the intent to investigate and provide a resolution to the cause of the incident is not a problem report.

1. **Critical:** Conditions that severely affect the primary functionality of the product and because of the business impact to the customer requires non-stop immediate corrective action regardless of time of day, or day of the week as viewed by a customer on discussion with the organization such as:
 - Product inoperability (total or partial outage),
 - A reduction in the capacity capability, that is, traffic/data handling capability, such that expected loads cannot be handled,
 - Any loss of emergency capability (for example, emergency 911 calls), or
 - Safety hazard or risk of security breach.
2. **Major:** Product is usable, but a condition exists that seriously degrades the product operation, maintenance, or administration, etc., and requires attention during pre-defined standard hours to resolve the situation.
The urgency is less than in critical situations because of a less immediate or impending effect on product performance, customers, and the customer's operation and revenue such as:
 - Reduction in product's capacity (but still able to handle the expected load),
 - Any loss of administrative or maintenance visibility of the product and/or diagnostic capability,
 - Repeated degradation of an essential component or function, or
 - Degradation of the product's ability to provide any required notification of malfunction.
3. **Minor:** Other problems of a lesser severity than "critical" or "major" such as conditions that have little or no impairment on the function of the system.
4. **Minor, No Loss of Service:** Oracle severity beyond what is defined by TL 9000.

The numbered severity levels in the tables below correspond to these definitions of 1–Critical, 2–Major, 3–Minor, 4–Minor, No Loss of Service.

Resolved Bug List

The tables in this section list bugs resolved in the following builds:

- OCEEMS 47.0.0.2.0-470.2.1
- OCEEMS 47.0.0.1.0-470.2.1
- OCEEMS 47.0.0.0.0-470.1.1

The resolved bug tables list the severity 1 and 2 bugs as well as severity 3 bugs associated with a SR.

Table 7-1 OCEEMS Release 47.0.0.2.0-470.2.1 Resolved Bugs (October 2026)

Bug Number	SR	Severity	Title	Customer Impact
37399694	Y	2	Alarms Resync issue on EMS 47.0.0.1.0	No impact if a valid license is generated and applied.
37489271	Y	2	Alarms Resync issue on EMS 47.0 and EAGLE 48.0 Eagle Discovery failing with EMS rel 47.0 with Eagle rel 48.0	Customers on OCEEMS release 47.0 with EAGLE 48.0 lose functionality to discover EAGLE nodes within the network.
37175766	Y	3	E5MS 47.0 installed at the lab, Eagle connected but not able to see Eagle Cards using GUI	No impact to customer operations. With OCEEMS release 47.0, enhanced EAGLE card views are introduced that allows users to view multiple card statuses in parallel through the Shelf Terminal Pop-up View.
37292418	N	3	Update Restore Procedure in User Interface Guide as per EMS-47	
37511594	N	4	Upgrade hibernate to version 6.6 or later stable release	
37511616	N	4	Upgrade jfreechart to 1.5.5 or later stable release	
37567375	N	4	Remove usage of rsync from EMS	
38380432	N	4	bsh replacement with Groovy	

Table 7-1 (Cont.) OCEEMS Release 47.0.0.2.0-470.2.1 Resolved Bugs (October 2026)

Bug Number	SR	Severity	Title	Customer Impact
38380479	N	4	DOM4J Replacement with Java Internal library	
38380487	N	4	GlassFish ORB upgrade to 5.0.0	
38380508	N	4	i-Net 26 adaptation in EMS 47.0	
38380529	N	4	Removal of JCommons	
38380538	N	4	Upgrade JSON in Java to version 20250517	
38380548	N	4	JTA.jar upgrade to 2.0.1	
38413005	N	4	Upgrade log4j-api from 2.23.1 to 2.25.1	
38413013	N	4	Upgrade snmp4j from 3.8.0 to 3.9.6	
38413022	N	4	Upgrade snmp4j- agent from 3.7.1 to 3.8.2	
38413032	N	4	Upgrade jgroups from 5.3.4 to 5.4.11	
38413048	N	4	Upgrade snmp4j javadoc from 3.8.0 to 3.9.6	
38413055	N	4	Upgrade log4j-core from 2.23.1 to 2.25.1	

Table 7-2 OCEEMS Release 47.0.0.1.0-470.2.1 Resolved Bugs (July 2025)

Bug Number	SR	Severity	Title	Customer Impact
	N	4	Upgrade i-net Clear Reports to version 25	

Table 7-3 OCEEMS Release 47.0.0.1.0-470.2.1 Resolved Bugs (November 2024)

Bug Number	SR	Severity	Title	Customer Impact
37142317	N	4	Support LDAP in EMS 47.0 with OL 8.8	

Table 7-4 OCEEMS Release 47.0.0.0-470.1.1 Resolved Bugs (June 2024)

Bug Number	SR	Severity	Title	Customer Impact
31293567	Y	2	SR: The database cleanup script is causing delays in replication causing failovers	The nightly cleanup process may impact the replication database updates, causing a failover failure to a dual Primary/Primary state.
33907946	N	2	E5MS is not receiving alarms from Eagle	Customers are unable to monitor their Eagle STPs' current alarms on the E5-MS system. In order to resolve this, customers are required to restart the E5-MS service.
29304325	Y	3	CS: Truncated lsn shown in Link utilization measurement reports	This is a display issue only. A few characters at the end of the lsn field may be truncated. It does not impact the report performance or data in other fields.
30712442	Y	3	SR: The space availability check in the BackupDB.sh is not correct	Automatic/Manual database backup is not functional when /var partition does not have enough disk space for the backup files. The customer would need to manually free up disk space in /var partition.
33534764	N	3	Add debug logs in OCEEMS in different areas of the product	
34015821	N	3	Automate the process of pruning MySQL Binary Logs	
34542071	N	3	R47.0_ST: New parameters "TCAPOPCODETAG,TCAPOPCODETAG2 and TCAPOPCODETAG3" are not added in Build command list.	
35598114	N	3	Enable AdventNetCLI logging in WebNms Framework	
35954027	N	3	Support TLSv1.3 in EMS	
36320267	N	3	debugModeEms script in EMS application	
36653746	N	3	Debug logs should be disabled at the time of ems installation.	
29421208	N	4	OCEEMS 46.6.2:Asterix missing from a mandatory parameter when we create a new user.	
31919533	N	4	OCEEMS46.6.3_ST:SNMP V3 protocol not getting displayed when alarms sent from EPAP in SNMPv3 mode.	

Table 7-4 (Cont.) OCEEMS Release 47.0.0.0-470.1.1 Resolved Bugs (June 2024)

Bug Number	SR	Severity	Title	Customer Impact
31919709	N	4	OCEEMS46.6.3_ST:UIM/UAM/MRN Number seen as negative value for alarms sent from EPAP.	
31919772	N	4	OCEEMS46.6.3_ST:Reports on OCEEMS are getting generated with name as 'Tekelec E5-MS Reporting Studio'.	
31921750	N	4	Https support in Reporting Studio: i-Net Clear Reports	
32263546	N	4	Incorrect logs in ftp.logs	
32263578	N	4	Object name printed in ftp.log	
32482521	Y	4	OCEEMS doesn't clear FUSE PANEL alarms	
32488651	N	4	Remediate WebNMS framework to latest third party packages	
33778615	N	4	HyperText Transfer Protocol (HTTP) Information	
33887814	N	4	savelogs script for E5-MS	
35056674	N	4	R47.1_SNMP_FT:Support SNMPv3 for Eagle	
35889916	N	4	debug log from WebNMS framework	
36084188	N	4	Log4j Package upgrade for Application code version - 2.17.2 -> 2.21.1	
36117534	N	4	Beanshell Jar upgrade for Application code from 2.1.0 to 2.1.1	
36254274	N	4	E5MS system should be restored to the Original state, i.e., to old level and any data which are created in the system after Backup should be removed /deleted from system after restoration of system with Old backup	
36443698	N	4	Bash scripts still present after fresh installation	
36538207	N	4	Confirm password field should be marked for compulsory section under user addition and modification	
36679540	N	4	MySQL 5.6 to 8.4 uplift for EMS	

Customer Known Bug List

EMS Release 47.0.0.2.0 Customer Known Bugs

The following table lists the known bugs and associated customer impact statements.

Table 7-5 EMS 47.0.0.2.0 Customer Known Bugs (October 2026)

Bug Number	SR	Severity	Title	Customer Impact
39170267	N	3	OCEEMS 47.0.0.2.0 : e5msService start stop limitation implementation	There is no impact to customer operations. The current e5msService is managed through the command-line utility "service" and continues to work as expected when using non-root administration user.
39478327	N	4	Updating Country for Eagle SNMPv3 Configuration Fails with Error	The user is unable to update the country field in the EAGLE SNMPv3 configuration. The workaround is to delete the EAGLE node and re-add it with the required country value.

8

Oracle References and Services

This chapter describes how to obtain help, where to find related documentation, and provides other general information.

My Oracle Support (MOS)

[My Oracle Support \(MOS\)](#) is your initial point of contact for any of the following requirements:

- **Product Support:**
The generic product related information and resolution of product related queries.
- **Critical Situations**
A critical situation is defined as a problem with the installed equipment that severely affects service, traffic, or maintenance capabilities, and requires immediate corrective action. Critical situations affect service and/or system operation resulting in one or several of these situations:
 - A total system failure that results in loss of all transaction processing capability
 - Significant reduction in system capacity or traffic handling capability
 - Loss of the system's ability to perform automatic system reconfiguration
 - Inability to restart a processor or the system
 - Corruption of system databases that requires service affecting corrective actions
 - Loss of access for maintenance or recovery operations
 - Loss of the system ability to provide any required critical or major trouble notificationAny other problem severely affecting service, capacity/traffic, billing, and maintenance capabilities may be defined as critical by prior discussion and agreement with Oracle.
- **Training Need**
Oracle University offers training for service providers and enterprises.

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.

Locate Product Documentation on the Oracle Help Center Site

Oracle Communications customer documentation is available on the web at the Oracle Help Center (OHC) [Oracle Help Center \(OHC\)](#) site. You do not have to register to access these documents. Viewing these files requires Adobe Acrobat Reader, which can be downloaded at <http://www.adobe.com>.

1. Access [OHC](#).
2. Click **Industries> Communications**.
The Communications Documentation page appears.
3. Under **Signalling and Policy** header, select **EAGLE**.
The list of entire documentation set for EAGLE Product Line and releases appears.
4. Click on your product and then the release number.
A list of the entire documentation set for the selected product and release appears.
5. To download a file to your location, right-click the PDF link, click **Save Target As** (or similar command based on your browser), and save to a local folder.

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