

**Oracle® Communications  
EAGLE Element Management System**

Release Notes

Release 46.5

**E88596 Revision 1**

October 2017

Oracle Communications EAGLE Element Management System Release Notes, Release 46.5

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# Chapter 1

## Introduction

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This Release Notes includes Feature Descriptions, Media and Documentation pack contents and identifies the Supported Upgrade Paths. This document also includes listings of both the Resolved and Known Bugs for this Release. Directions for accessing key Oracle sites and Services are also identified in the *Oracle References and Services* chapter.

Release Notes are included in the Documentation Pack made available with every Software Release.

# Chapter 2

## Feature Descriptions

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### Topics:

- *OCEEMS to support SNMP v3 for EPAP .....8*
- *OCEEMS to support SNMP v3 for LSMS .....8*
- *Enhancement Bugs.....9*
- *Operational Changes.....9*

This release delivers the following features:

- *OCEEMS to support SNMP v3 for EPAP*
- *OCEEMS to support SNMP v3 for LSMS*

## OCEEMS to support SNMP v3 for EPAP

This feature provides OCEEMS Release 46.5 with support for EPAP over SNMP v3 protocol on southbound interface. This includes EPAP Inventory Operations (Add/Modify/Delete) support and Fault Management over SNMPv3 protocol, and Resynchronization Operation over SNMPv3/v2c for EPAP.

EPAP SNMPv3 user discovery is initiated by the OCEEMS user by providing valid details in the EPAP Discovery GUI. Before adding EPAP on OCEEMS, the OCEEMS user must ensure that OCEEMS is configured on the EPAP side with a valid SNMP v3 user.

See *Interface User's Guide* for SNMPv3 support information.

### Limitations

- Upon rebooting of the EPAP or OCEEMS server, any EPAP servers added over SNMPv3 protocol must be deleted and added again, as a reboot on either the SNMP Agent or SNMP Manager may lead to a change in Engine ID.
- SNMP Set & SNMP Get will fail to retrieve results if SNMPv3 User details are changed on the SNMP Agent side, or they mismatch from the details present in the SNMP Manager.
- SNMP Set & SNMP Get will fail with a timeout error due to a network congestion error.

## OCEEMS to support SNMP v3 for LSMS

This feature provides OCEEMS Release 46.5 with support for LSMS over SNMP v3 protocol on southbound interface. This includes LSMS Inventory Operations (Add/Modify/Delete) support, Fault Management over SNMPv3 protocol, and Resynchronization Operation over SNMPv3 only for LSMS.

LSMS SNMPv3 user discovery is initiated by the OCEEMS user by providing valid details in the LSMS Discovery GUI. Before adding LSMS on OCEEMS, the OCEEMS user must ensure that OCEEMS is configured on the LSMS side with a valid SNMP v3 user.

See *Interface User's Guide* for SNMPv3 support information.

### Limitations

- Upon rebooting of the LSMS or OCEEMS server, any LSMS servers added over SNMPv3 protocol must be deleted and added again, as a reboot on either the SNMP Agent or SNMP Manager may lead to a change in Engine ID.
- SNMP Set & SNMP Get will fail to retrieve results if SNMPv3 User details are changed on the SNMP Agent side, or they mismatch from the details present in the SNMP Manager.
- SNMP Set & SNMP Get will fail with a timeout error due to a network congestion error.



## Enhancement Bugs

OCEEMS 46.5 supports the following enhancement Bugs:

**Table 1: OCEEMS 46.5 Enhancement Bugs**

<b>Bug # and Title</b>	<b>Description</b>
19179579 Add UAM sequence number and time zone to SNMP traps	Adds UAM sequence number and time zone to SNMP traps.
20387017 Add remaining EAGLE commands to the SendCommand function	Adds all EAGLE commands (minus debug commands) to the SendCommand function.
21142851 Auto disable inactive accounts	Adds a configurable user inactivity timer to OCEEMS.

## Operational Changes

OCEEMS Release 46.5 does not contain new alarm messages.

OCEEMS 46.5 was tested with Java jdk-8u131.

# Chapter 3

## Media and Documentation

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### Topics:

- [Media Pack.....11](#)
- [Documentation Pack.....11](#)

Oracle Communications software is available for electronic download on the Oracle Software Delivery Cloud (OSDC). Documentation is delivered electronically on the Oracle Technology Network (OTN). Both the software Media Pack and the 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 *Table 2: Media Pack Contents*.

**Note:** This list is accurate at the time of release, but is subject to change. View the Oracle Software Delivery Cloud site for the latest information.

**Table 2: Media Pack Contents**

Name
Oracle Communications EAGLE Element Management System (46.5.0.0.0), Linux x86-64

### Installed Patches

OCEEMS 46.5 uses Zoho (WebNMS) release 5.2 patch SP1.17.

## Documentation Pack

All documents available for download from the Oracle Technology Network (OTN) site (<http://docs.oracle.com>) are listed in the following table:

**Note:** This list is accurate at the time of release but is subject to change. See *Oracle Help Center* for all available documents.

**Table 3: Documentation Pack Contents**

<b>Core OCEEMS Documentation</b>
<i>Release Notes</i>
<i>Interface User's Guide</i>
<i>System Health Check Guide</i>
<i>Security Guide</i>
<b>Installation/Upgrade Documentation</b>
<i>Install/Upgrade Guide</i>
<b>Reference Documentation</b>
<i>Licensing Information User Manual</i>

# Chapter

# 4

## Upgrade Paths

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### Topics:

- [Upgrade Paths.....13](#)

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

## Upgrade Paths

The possible full upgrade paths to OCEEMS 46.5 are listed in [Table 4: OCEEMS 46.5 Full Upgrade Paths](#).

**Table 4: OCEEMS 46.5 Full Upgrade Paths**

<b>From</b>	<b>To</b>
OCEEMS Release 46.2	OCEEMS Release 46.5
OCEEMS Release 46.3	OCEEMS Release 46.5

# Chapter 5

## Product Compatibility

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### Topics:

- [Product Compatibility.....15](#)

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

## Product Compatibility

[Table 5: OCEEMS 46.5 Compatibility with Other Products](#) shows OCEEMS 46.5 compatibility with other products.

**Table 5: OCEEMS 46.5 Compatibility with Other Products**

Product	Release	Compatibility
EAGLE	46.2	PC*
	46.3	PC*
	46.4	PC*
	46.5	FC
LSMS	13.1	PC
	13.2	FC
EPAP	16.1	PC
	16.2	FC

**Note:** Customers should upgrade to the fully compatible release identified in the previous table.

Legend:

- FC - Fully Compatible
- PC - Partially Compatible (compatible but not fully functional)
- NC - Not compatible

# Chapter 6

## Resolved and Known Bugs

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### Topics:

- [Severity Definitions.....17](#)
- [Resolved Bug Listing.....17](#)
- [Customer Known Bug Listing.....19](#)

This chapter lists the Resolved and Known Bugs for this release.

These bug 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.

- **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
  1. product inoperability (total or partial outage),
  2. a reduction in the capacity capability, that is, traffic/data handling capability, such that expected loads cannot be handled,
  3. any loss of emergency capability (for example, emergency 911 calls), or
  4. safety hazard or risk of security breach
- **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 lesser immediate or impending effect on product performance, customers and the customer's operation and revenue such as
  1. reduction in product's capacity (but still able to handle the expected load),
  2. any loss of administrative or maintenance visibility of the product and/or diagnostic capability,
  3. repeated degradation of an essential component or function, or
  4. degradation of the product's ability to provide any required notification of malfunction
- **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
- **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:

- 1 - Critical
- 2 - Major
- 3 - Minor
- 4 - Minor, No Loss of Service

## Resolved Bug Listing

The tables in this section list bugs that are resolved in the following build:

OCEEMS 46.5.0.0.0-465.14.0.

The Resolved Bugs table shows an impact statement for Severity 1 and 2 Bugs as well as for Severity 3 Bugs that are associated with a SR.

**Note:** Resolved bugs are sorted in ascending order by severity and then by bug number.

**Table 6: OCEEMS Release 46.5.0.0.0-465.14.0 Resolved Bugs (October 2017)**

Bug#	SR	Sev	Title	Customer Impact
23751451	Y	2	SR: Frequent occurrence of connection failure on EMSALM port	Under certain conditions, the connections to the EAGLE EMSALM terminals lose connection and are unable to reconnect.
26135517	Y	2	SR: Upgrade issues when/Tekelec directory is a symbolic link	Application upgrade and uninstall does not properly support symbolic links for the /Tekelec directory.
26258772	Y	2	SR: The CMI Scripts Management Pane does not load when processing >20 seconds	On systems with many CMI scripts, the load time can prevent the Scripts Management pane from loading in the GUI.
26428848		2	The installation / upgrade routine does not detect the failure of the DB backup	Backup failure during the upgrade process can cause a non-functional application after the upgrade.
23590522		3	OCEEMS_46.3_FT: No alertSourceIP in OCEEMS generated traps	
24404425		3	Handle failover.xml and log4j.xml files for user changes	
24481007	Y	3	SR: Login to Eagle fails sometimes when daily schedule task runs	The daily scheduled CMI scripts can occasionally fail in the login function. The script can be manually run as a workaround.
24715946		3	CDS: For a large set-up the OCEEMS services are taking much longer time to start	
24720528		3	CDS: Link Info not updating correctly in OCEEMS	
26038126	Y	3	The file permissions need to be modified to be owned by the non-admin user	Application files remain owned by the root user after the creation of a non-root administration user.
26428836		3	The installation / upgrade routine does not verify the necessary free space	
26558323		3	CDS: DSMFL: Various changes required in reporting Studio Install/Upgrade doc	

Bug#	SR	Sev	Title	Customer Impact
23293700		4	User identification of SLIC GPLs	
25524890		4	Productizing LUI reports that caused EMS performance issues	
25524931		4	EAGLE EMS to support SNMP v3 for LSMS	
25596787		4	EAGLE EMS to support SNMP v3 for EPAP	
25834696		4	Add UAM sequence number and time zone to SNMP traps	
25971409		4	E5MS Alarms display on single page	

## Customer Known Bug Listing

[Table 7: OCEEMS Release 46.5 Customer Known Bugs \(October 2017\)](#) lists known bugs in this release:

**Table 7: OCEEMS Release 46.5 Customer Known Bugs (October 2017)**

Bug#	SR	Sev	Title	Customer Impact
19095859		3	[223022]Support of fbp (Frame Power Budget) shelf in E5-MS needs to be provided	Frame Power Budget shelf will not be available in Frame View.
19098846		3	[225467]Transaction APIs are using infinite timeouts	No impact to customers. No issues have been noted.
19100656		3	[226924]Message during backup is not visible on status bar of E5-MS	No impact to customer operation.
19101825		3	[227820]Whitespace between * accepted as a parameter for Sub-Resource criteria	No effect other than the Resource and Sub-Resource parameter entries do not work exactly the same.
19102497		3	[228359]EMS terminal makes prov. change at login w/out checking if change needed	No impact to customer operation.
19103096		3	[228821]Audit trail issues	Operator can't create custom audits.
19104410		3	[229877]Non-permitted users can update inventory; are correctly barred from CMI	Customers create a few users who can work on a particular EAGLE only. These users would be barred from all other activities for another EAGLE. This is not currently possible for Inventory.

Bug#	SR	Sev	Title	Customer Impact
19105219		3	[230483]All UIMs not captured, only system alive messages captured in Fault Mgmt	Customer can start monitoring all UIMs on the basis of column name.
19105302		3	[230538]Card graphic for E5-APP-B card not visible in E5-MS	The E5-APP-B card will not be displayed on the STP shelf graphics.
19105966		3	[231056]Cannot specify which server will be started as primary by default	Customer would need to manually check the server which is currently acting as Primary server.
19105967		3	[231057]After failed primary server recovers, it does not resume primary control	After the failed primary server recovers, it keeps running as a secondary server instead of resuming its primary role.
19107305		3	[232111]R45.1:Unable to distinguish different domain same point code Alarms	If the customer is using both N24 and ANSI and have the same point code in each, it is not possible to tell which point code the alarm is from. The user must do a <code>rept-stat-</code> on both point codes to determine which has an issue.
19111943		3	[235744]Complete result not visible via Send Command but OK with cut-through	Customer is directly running commands via cut through on STP. They are using CMI for very less work considering that it may give lesser output.
19114654		3	[237835]"Enter Password : " shown in server console after unknown duration	No impact. The "Enter Password" message is displayed in the console. Entering the password manually has no impact. All modules keep working in the intended way.
19114663		3	[237842]Discovery info events persist even after EAGLE discovery fails	None. Info events remain in the Event viewer.
20016363		3	E5MS_46.0.1:Unable to login E5MS client	Single occurrence of an issue that prevented login to the client. The issue cleared itself. It could also be cleared manually by restarting the OCEEMS services.
21258142	Y	3	SR: Missing requirements for connection between Active and Standby systems	Replication and failover between servers is only possible when the IP connection between the servers is reliable and of sufficient capacity to support the amount of data being replicated between the server databases. If the IP connection is insufficient to properly replicate the data, the systems will not operate properly.

Bug#	SR	Sev	Title	Customer Impact
21798119		3	OCEEMS_46.2_FT: Resync getting performed on SET request with wrong username	A user associated with the OCEEMS in SNMPv3 configuration could be used by the northbound system even if it was not assigned to that particular STP.
21801499		3	OCEEMS_46.2_FT: Incorrect names are displayed on NBI and Agent GUIs	No impact to Customer operations.
21801553		3	OCEEMS_46.2_FT:-User is able to delete associated SNMPv3 view.	No impact to customer operations.
21816644		3	OCEEMS_46.2_FT: Wrong alertSourceIP displayed in traps from EAGLE	During IPSM card failover, the alertSourceIP is reported as the IP address of the IPSM card. This impacts customer operations only when the Northbound system uses this field to perform alarming.
21828371		3	OCEEMS_46.2_FT: GetNextRequest-PDU not supported in SNMPv3	SNMP GetNextRequest and GetBulkRequest are not supported on OCEEMS. No impact to customer operations.
22058494		3	OCEEMS_46.2_ST: Wrong licensed components' name on OCEEMS GUI	No impact to customer operation.
22126601		3	OCEEMS_46.2_ST: Redundancy lost in failover setup	There is no impact to the system unless the failover is initiated rapidly from system to system multiple times. If the failover is switched multiple times in series, the failover replication may need to be reconfigured on the system.
22126630		3	OCEEMS_46.2_ST: Dynamic update is not working properly	If a user updates the NBI configuration, this change is not updated in the open GUI screens for other users. The new configuration information will be reflected when the GUI screen is reopened.
22157264		3	OCEEMS_46.2_ST: OCEEMS sends traps twice after upgrade	This issue has not been reproduced. There is no impact to customer operations.
23266331	Y	3	SR: revoke unused replication privileges during upgrade procedure	Additional configured replication users in the MySQL database may be present if the original configuration is not reused.
23291061		3	OCEEMS_46.3_FT: Occurrence of E5-MS in custom views post upgrade	No impact to customer operations. The Timestamp column contains the name E5-MS instead of OCEEMS.

Bug#	SR	Sev	Title	Customer Impact
23561768		3	OCEEMS_46.3_FT: Alarm GUI's filter not removed	The alarm filter becomes fixed on a GUI client and is unable to be removed. A restart of the Client GUI application will resolve the issue.
24382757	Y	3	SR: Exception raised while running restoration of backup file	A java exception related to conf files is sometimes displayed on the console during the restore backup operations. This message may be safely ignored.
24447454		3	OCEEMS_46.3_ST: OCEEMS stuck in stopping script execution	If the CMI script execution does not stop after executing a stop action, the OCEEMS client may need to be restarted.
24488045	Y	3	SR: Map save does not work properly sometimes	The Save Map function is not functional for some system configurations.
26564617		3	CDS: DSMFL: Commands not added as described in Bug 20387017	Customer cannot execute debug commands from the OCEEMS GUI.
26612701		3	CDS: DSMFL: Wrong numbers of shelf shown in the chassis view	A minimum of three EAGLE shelves are represented in the graphics even if the EAGLE being monitored has less than three shelves.
19117355		4	[239911]E5MS installation directory Tekelec should be renamed to Oracle	The E5-MS system is installed under /Tekelec. This location will be updated in a future release.
19185383		4	Export is not working correctly for Auth Audit GUI	The Auth Audit export is not functioning from the E5-MS GUI. This export does not impact the reliable operation of the E5-MS service.
19652751	Y	4	SR: Alarms_SpecificDuration_WithSeverity_UAM_Number.rpt is not functional	The report Alarms_SpecificDuration_WithSeverity_UAM_Number.rpt is not functional.
19768002	Y	4	Processing for UAM 0084 and 0085 do not clear on card init	No Impact to customers. The GPL display that was presenting this issue has been updated in the STP in release 46.2.
20310455	Y	4	Help buttons redirect to webnms.com	No impact to customer operations.
20890630	Y	4	SR: Framework updates to permit regional views	Map and alarm views cannot be assigned on a regional basis.
21621882		4	NMS_STATUS_MONITOR table missing	No impact to customer operations.
21832884		4	CDS: Upgrade output of "No mysql backup directory found"	No impact to customer operations.

Bug#	SR	Sev	Title	Customer Impact
21848874		4	CDS: OCEEMS 46.2.0 CDS] Procedure to change timeformat should be via GUI	No impact to customer operations.
21848909		4	CDS: Critical alarms displayed during resynchronization of alarms	Critical Status update messages will be displayed during the resynchronization process. These alarms do not impact customer operations.
24390214	Y	4	SR: Remove test DB from E5-MS	No impact to customer operations.
26514442		4	CDS: CS: Threshold conf already configured value should be visible by default	No Impact to customer operations.
26556618		4	CDS: Remove the separating line between LSMS Discovery and EPAP Discovery in GUI	No Impact to customer operations.
26610122		4	CDS: Once adm user is created, root user need not have stop/status on e5msService	No Impact to customer operations.

## Oracle References and Services

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### Topics:

- *My Oracle Support (MOS).....25*
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## My Oracle Support (MOS)

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

Call the CAS 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:

1. Select **2** for New Service Request
2. Select **3** for Hardware, Networking and Solaris Operating System Support
3. Select one of the following options:
  - For Technical issues such as creating a new Service Request (SR), Select **1**
  - For Non-technical issues such as registration or assistance with MOS, Select **2**

You will be connected to a live agent who can assist you with MOS registration and opening a support ticket.

MOS is available 24 hours a day, 7 days a week, 365 days a year.

## Emergency Response

In the event of a critical service situation, emergency response is offered by the Customer Access Support (CAS) main number at 1-800-223-1711 (toll-free in the US), or by calling the Oracle Support hotline for your local country from the list at <http://www.oracle.com/us/support/contact/index.html>. The emergency response provides immediate coverage, automatic escalation, and other features to ensure that the critical situation is resolved as rapidly as possible.

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 notification

Any other problem severely affecting service, capacity/traffic, billing, and maintenance capabilities may be defined as critical by prior discussion and agreement with Oracle.

## Customer Training

Oracle University offers expert training on Oracle Communications solutions for service providers and enterprises. Make sure your staff has the skills to configure, customize, administer, and operate your communications solutions, so that your business can realize all of the benefits that these rich solutions offer. Visit the Oracle University web site to view and register for Oracle Communications training: [education.oracle.com/communication](http://education.oracle.com/communication). To reach Oracle University:

- In the US, please dial 800-529-0165.
- In Canada, please dial 866-825-9790.
- In Germany, please dial 0180 2000 526 (toll free) or +49 8914301200 (International).
- In Spain, please dial +34 91 6267 792.
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For the appropriate country or region contact phone number for the rest of the world, please visit Oracle University's web site at <http://www.oracle.com/education/contacts>.

## Locate Product Documentation on the Oracle Help Center Site

Oracle Communications customer documentation is available on the web at the Oracle Help Center (OHC) site, <http://docs.oracle.com>. 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 the Oracle Help Center site at <http://docs.oracle.com>.
2. Click **Industries**.
3. Under the Oracle Communications subheading, click the **Oracle Communications documentation** link.  
The Communications Documentation page appears. Most products covered by these documentation sets will appear under the headings "Network Session Delivery and Control Infrastructure" or "Platforms."
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, select **Save target as** (or similar command based on your browser), and save to a local folder.

## Locate Product Release Software on the Oracle Software Delivery Cloud Site

Oracle Communications software is available for electronic download at the Oracle Software Delivery Cloud site, <https://edelivery.oracle.com>. Only authorized customers with a valid password may download software from the site.

For directions on downloading the software and other information about using this site, click **FAQ** in the top right corner.

# Appendix

# A

## Firmware Components

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This appendix is not applicable to EAGLE, ExAP or LSMS releases.