

**Oracle® Communications  
Policy Management**

Release Notes

Release 12.0.0.4.0

**E68939 Revision 01**

November 2015

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# Table of Contents

<b>Chapter 1: Introduction.....</b>	<b>5</b>
Introduction to Policy Management.....	6
<b>Chapter 2: Feature Descriptions.....</b>	<b>7</b>
<b>Chapter 3: Oracle Communications Policy Management 12.0.0.4.0</b>	
<b>Media and Documentation.....</b>	<b>8</b>
Media Pack.....	9
Documentation Pack.....	9
<b>Chapter 4: Supported Hardware Baseline.....</b>	<b>10</b>
Supported Hardware Baseline.....	11
<b>Chapter 5: Oracle Communications 12.0.0.4.0 Supported Upgrade Path.....</b>	<b>12</b>
Supported Upgrade Paths.....	13
<b>Chapter 6: Oracle Communications Policy Management 12.0.0.4.0 Resolved and Known Bugs.....</b>	<b>14</b>
Severity Definitions.....	15
Resolved Bug Listing.....	15
Customer Known Bug Listing.....	17
<b>Chapter 7: Oracle References and Services.....</b>	<b>19</b>
My Oracle Support (MOS).....	20
Emergency Response.....	20
Customer Training.....	21
Locate Product Documentation on the Oracle Help Center Site.....	21
Locate Product Release Software on the Oracle Software Delivery Cloud Site.....	21

# List of Tables

Table 1: Release 12.0.0.4.0 Media Pack Contents.....	9
Table 2: Supported Hardware Baseline.....	11
Table 3: Oracle Communications Policy Management 12.0.0.4.0 Upgrade Paths.....	13
Table 4: Oracle Communications Policy Management Release 12.0.0.4.0 Resolved Bugs.....	16
Table 5: Oracle Communications Policy Management Release 12.0.0.3.0 Resolved Bugs.....	16
Table 6: Oracle Communications Policy Management Release 12.0.0.2.0 Resolved Bugs.....	16
Table 7: Oracle Communications Policy Management Release 12.0.0.1.0 Resolved Bugs.....	17
Table 8: Oracle Communications Policy Management 12.0.0.4.0 Customer Known Bugs.....	17

# Chapter 1

## Introduction

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### Topics:

- *Introduction to Policy Management.....6*

Maintenance Release Notice for the 12.0.0 code stream [see 12.0.0 Release Notice - E61812-03].

This Release Notice identifies the fixes in Oracle Communications Policy Management 12.0.0.4.0 Release.

This Release Notice includes Feature Descriptions, supported Hardware Baseline, 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.

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

## **Introduction to Policy Management**

Maintenance Release Notice for the 12.0.0 code stream [see 12.0.0 Release Notice - E61812-03].

The Oracle Communications Policy Management 12.0.0.4.0 is a maintenance release targeted specifically for Verizon Wireless.

# Chapter 2

## Feature Descriptions

This maintenance release has no new features. For features in the 12.0.0.x release, refer to [\*Locate Product Documentation on the Oracle Help Center Site\*](#) [E61812-03].

# Chapter

# 3

## Oracle Communications Policy Management 12.0.0.4.0 Media and Documentation

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### Topics:

- *Media Pack.....9*
- *Documentation Pack.....9*

Oracle Communications patch software is available for electronic download on MY Oracle Support (MOS). Documentation is delivered electronically on the Oracle Help Center (OHC). Both the software Media Pack and the Documentation Pack are listed in this chapter.

## Media Pack

Available for download from My Oracle Support  
(<http://www.oracle.com/us/support/software/premier/my-oracle-support-068523.html>) Media pack contents are available in Table 12.0.0.4.0 Media Pack Contents.

**Table 1: Release 12.0.0.4.0 Media Pack Contents**

Name
patch-120.0.4.0_2.1.0.iso

## Documentation Pack

All documents available for download from the Oracle Help Center (OHC) site (<http://docs.oracle.com/en/industries/communications>) are listed here.

**Note:** This list is accurate at the time of release, but is subject to change. Please view the Oracle Help Center site for the latest information.

- Release Notice
- Related Publications Reference
- Hardware Documentation Roadmap Reference
- Configuration Management Platform Wireless User's Guide
- SNMP User's Guide
- OSSI XML Interface Definitions Reference
- Analytics Data Stream Reference

# Chapter 4

## Supported Hardware Baseline

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### Topics:

- *Supported Hardware Baseline.....11*

The Hardware identified in *Supported Hardware Baseline* comprises the hardware and server versions that have been verified with this Release.

## **Supported Hardware Baseline**

**Table 2: Supported Hardware Baseline**

<b>Hardware</b>	<b>Description</b>
Wireless HP Gen8 C-Class Blades	C-Class Blade Servers configured as defined in configuration workbook.

# Chapter 5

## Oracle Communications 12..0.0.4.0 Supported Upgrade Path

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### Topics:

- *Supported 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.

## Supported Upgrade Paths

The possible upgrade paths to Oracle Communications Policy Management 12.0.0.4.0 are listed in [Table 3: Oracle Communications Policy Management 12.0.0.4.0 Upgrade Paths](#).

**Table 3: Oracle Communications Policy Management 12.0.0.4.0 Upgrade Paths**

From	To
12.0.0.0.0	12.0.0.4.0
12.0.0.3.0	12.0.0.4.0

**Note:** This is a patchset application and not a full upgrade. The procedure will still use the Upgrade Director GUI.

# Chapter 6

## Oracle Communications Policy Management 12.0.0.4.0 Resolved and Known Bugs

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### Topics:

- *Severity Definitions.....15*
- *Resolved Bug Listing.....15*
- *Customer Known Bug Listing.....17*

This chapter lists the Resolved and Known Bugs for Oracle Communications Policy Management 12.0.0.4.0.

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).
  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.
  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.

The numbered severity levels in the tables below correspond to these definitions:

- 1 - Critical
- 2 - Major
- 3 - Minor

## Resolved Bug Listing

Tables Oracle Communications Policy Management Release [Table 4: Oracle Communications Policy Management Release 12.0.0.4.0 Resolved Bugs](#), [Table 5: Oracle Communications Policy Management Release 12.0.0.3.0 Resolved Bugs](#), [Table 6: Oracle Communications Policy Management Release 12.0.0.2.0 Resolved](#)

## Oracle Communications Policy Management 12.0.0.4.0 Resolved and Known Bugs

[Bugs, Table 7: Oracle Communications Policy Management Release 12.0.0.1.0 Resolved Bugs](#) Resolved Bugs lists all the bugs that are resolved in the following build:

patch-12.0.0.4.0\_2,1,0.iso.

- Oracle Communications Policy

The Oracle Communications Policy load line-up provides a view of our GA milestone release. Firmware release <release number> was used with this release. The Firmware is addressed by an independent manufacturer, (HP), and will have additional release guidance and requirements. We recommend the review of the line-up prior to system and/or node upgrade.

**Note:** Customer Known bugs are sorted in ascending order by Severity (Sev).

**Table 4: Oracle Communications Policy Management Release 12.0.0.4.0 Resolved Bugs**

Bug number	SR#	Severity	Title
22162453	3-11658624751 3-11520044801	3-Minor	Vzw: Restart on Cocss MPE06b blade.
22158746	3-11463693241	3-Minor	Increase in PDN connection Count after 12.0.0.2.0 patch upgrade.
22158540	n/a	3-Minor	Custom Fields not retained after on-demand SY SLR lookup Failure.
22152951	3-11561338851	2-Major	IP CAN Session not found - 5065 error.

**Table 5: Oracle Communications Policy Management Release 12.0.0.3.0 Resolved Bugs**

Bug number	SR#	Severity	Title
21901858	n/a	3-Minor	crashlogs is using /tmp as a staging directory.
21882695	n/a	3-Minor	LVM snapshot space alarm (eliminate Accept Upgrade MOP).
21917624	3-1139206433	2-Major	MPE clusters reporting OOS - Cleanup Cluster Config menu issue.

**Table 6: Oracle Communications Policy Management Release 12.0.0.2.0 Resolved Bugs**

Bug number	SR#	Severity	Title
21495696	n/a	3-Minor	CMP still in forced standby after upgrade.
21770566	n/a	3-Minor	LI Stats shows incorrect number of X2 Connections.
21841504	3-11366721471	3-Minor	No User Lookup happening if CCR-I is following CCR-T within 3 min in production.
21675905	3-11237199011	2-Major	PCRF MRA Outage (Buffer Overflow Exception).
21689618	3-11251335741	2-Major	MPE OOS after upgrade.

**Table 7: Oracle Communications Policy Management Release 12.0.0.1.0 Resolved Bugs**

Bug number	SR#	Severity	Title
21350984	n/a	3-Minor	MPE forced standby of active takes longer to peer with MRA.
21350936	n/a	3-Minor	Connection to secondary site not retried by MRA.
21209198	n/a	3-Minor	Sy sessions not terminated when SLR-i was triggered by PNR.
21215185	n/a	3-Minor	GUI lists that X1 interface is down, but netstat output says it is connected.
21357274	n/a	3-Minor	KPI Dashboard fails to show the correct MRA connections for the MPES
21364020	n/a	3-Minor	Renewed session lifetime timer is not sent out in AAA-u to the AF.
21363539	n/a	3-Minor	Capture the tomcat hs_err_pid file in the savelogs everytime tomcat crashes.
21417694	n/a	3-Minor	savelogs/backup tar ball unable to be pulled back via scp.

## Customer Known Bug Listing

*Table 8: Oracle Communications Policy Management 12.0.0.4.0 Customer Known Bugs* lists known bugs in this release:

**Note:** Customer Known bugs are sorted in ascending order by Severity (Sev).

**Table 8: Oracle Communications Policy Management 12.0.0.4.0 Customer Known Bugs**

Bug Number	SR#	Severity	Title	Impact Statement
19116834	n/a	3-Minor	[239507][SEC] Policy Web Application must follow ARB Cookie Design and Disclosure Req. and Guidelines.	None - This is a security enhancement.
19116835	n/a	3-Minor	[239508][SEC] Policy Web Application needs to comply with SCS and use CSRF recommended protections.	None - This is a security enhancement.
20386371	n/a	2-Major	Incompatibility between Multi-Level OAM and Checkpoint feature.	Due to the incompatibility, when a customer is using the Multi-Level OAM feature, (in other words, all the CMP installations are configured to be S-CMPs or NW-CMPs), then the functions for managing checkpoints are disabled, (not available in the GUI). This is to

**Oracle Communications Policy Management**  
**12.0.0.4.0 Resolved and Known Bugs**

Bug Number	SR#	Severity	Title	Impact Statement
				prevent the user from relying on the checkpoint function when it will not work as expected. If the customer relies on the Checkpoint functions as a key part of their processes for managing changes, then they should not use the Multi-Level OAM feature.

# Chapter 7

## Oracle References and Services

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### Topics:

- *My Oracle Support (MOS).....20*
- *Emergency Response.....20*
- *Customer Training.....21*
- *Locate Product Documentation on the Oracle Help Center Site.....21*
- *Locate Product Release Software on the Oracle Software Delivery Cloud Site.....21*

## 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.
- In the United Kingdom, please dial 0845 777 7711 (toll free) or +44 11 89 726 500 (International).

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 (OSDC) site, <https://edelivery.oracle.com>. Only authorized customers with a valid password may download software from the site.

1. Log into the Oracle Software Delivery Cloud site at <https://edelivery.oracle.com>.  
The **Terms & Restrictions** page appears.
2. Read and accept both the Oracle Trial License Agreement and the Export Restrictions Agreement.  
The **Media Pack Search** page appears.
3. Select **Oracle Communications** for Product Pack and **Tekelec** for Platform.
4. Click the **Go** button.  
All media packs that meet the search criteria are displayed on the page.
5. Select the media pack for your Product and Release Number and click the **Continue** button.  
The **Download** page appears.
6. Provide a valid password in the **Password** field and click the **Go** button.
7. To download a file to your location, click the **Download** button.