Oracle® Communications
Policy Management
Release Notes
Release 15.0.0.11.0

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ORACLE®

Policy Management Release Notes, Release 15.0.0.11.0

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Contents

Contents 3
List of Tables 4
Introduction 5
Feature Descriptions 6
Policy 15.0.0.11.0 Version Media and Documentation 7
Media Pack 7
MAC Algorithms 8
Documentation Pack 8
Supported Upgrade Paths 9
Packages Removed 10
Resolved and Known Bugs 11
Severity Definitions 11
Oracle References and Services 13
My Oracle Support 13
Emergency Response 13
Customer Training 14
Locate Product Documentation on the Customer Support Site 14
Locate Product Release Software on the Oracle Software Delivery Cloud Site 15
Upgrade Instructions 16

List of Tables

Table 1 Policy 15.0.0.11.0 Upgrade Paths 9
Table 2 Resolved Bugs 12

1

Introduction

Patch Release for the 15.0.0.11.0 code stream

This Release Notice identifies the functions and features of Oracle Communications Policy Management (OCPM) Release 15.0.0.11.0.

This Release Notice includes bug fixes 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. Directions for accessing key Oracle sites and Services are identified in the Oracle References and Services chapter.

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

2

Feature Descriptions

This patch release of Oracle Communications Policy Management does not have any new features.

Enh 40113440: Support for 2 VMs (36 vCPU Profile) Deployment on a Single Host Machine

This release supports deployment of 2 VMs of 36 vCPU Profile on a single host machine. The supported performance numbers are:

Performance Profile and Achievement

Profile	Performance Achievement
VM (Virtualized) 36 vCPU (RAM 166 GB, Storage 256 GB) Generic Call Model (Hosted on X9-2)	(Single VM on host) 15M sessions for MPE 10000 TPS per MPE ---------- (2 VMs on host) 15M sessions for each MPE 8000 TPS per each MPE

3

Policy 15.0.0.11.0 Version Media and Documentation

Oracle Communications patch software is available for electronic download on My Oracle Support. Both the software Media Pack and the Documentation Pack are listed in this chapter.

Media Pack

Available for download from My Oracle Support (list URL)

Media Pack Contents:

- ISO for all customers:
    - cmp-15.0.0.11.0_3.1.0-x86_64-DIU.iso
    - mpe-15.0.0.11.0_3.1.0-x86_64-DIU.iso
    - mpe-li-15.0.0.11.0_3.1.0-x86_64-DIU.iso
    - mra-15.0.0.11.0_3.1.0-x86_64-DIU.iso
- qcow and ova files:
    - mra-15.0.0.11.0_3.1.0-x86_64.qcow2.tar.bzip2
    - mpe-15.0.0.11.0_3.1.0-x86_64.qcow2.tar.bzip2
    - mpe-li-15.0.0.11.0_3.1.0-x86_64.qcow2.tar.bzip2
    - cmp-15.0.0.11.0_3.1.0-x86_64.qcow2.tar.bzip2
    - mpe-15.0.0.11.0_3.1.0-x86_64.ova
    - mpe-li-15.0.0.11.0_3.1.0-x86_64.ova
    - mra-15.0.0.11.0_3.1.0-x86_64.ova
    - cmp-15.0.0.11.0_3.1.0-x86_64.ova

Note:

- With the platform uplift to TPD v8.10.0.0.0_140.5.0 in OCPM 15.0.0.4.0, the filesystems size for *plat-var_tklc* has been changed from 18GB to 14GB to accommodate TPD filesystem size changes.
- It is recommended to apply this release through ISO upgrade process based on the supported upgrade paths.
- The qcow and ova images are provided to be used for installation of a customer node in case the node is down due to hardware issues and requires recreation.
- The scope of performance tests done for release 15.0.0.11.0 is limited to KVM

due to engineering resource limitations. However, release 15.0.0.11.0 supported baseline remains same as OCPM 15.0.0.0.0 GA.

MAC Algorithms

Only the following MAC algorithms are supported from 12.6.0 onwards:

- hmac-sha2-256
- hmac-sha2-512

Documentation Pack

All documents available for download from the Oracle Help Center 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.

Documentation Pack Contents:

- Upgrade Guide (15.0 to 15.0.x)
- Release Notes
- 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

4

Supported Upgrade Paths

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

Table 1 Policy 15.0.0.11.0 Upgrade Paths

From	To	Mechanism
15.0.0.0.0	15.0.0.11.0	ISO Upgrade
15.0.0.1.0	15.0.0.11.0	ISO Upgrade
15.0.0.2.0	15.0.0.11.0	ISO Upgrade
15.0.0.3.0	15.0.0.11.0	ISO Upgrade
15.0.0.4.0	15.0.0.11.0	ISO Upgrade
15.0.0.5.0	15.0.0.11.0	ISO Upgrade
15.0.0.6.0	15.0.0.11.0	ISO Upgrade
15.0.0.7.0	15.0.0.11.0	ISO Upgrade
15.0.0.8.0	15.0.0.11.0	ISO Upgrade
15.0.0.9.0	15.0.0.11.0	ISO Upgrade
15.0.0.10.0	15.0.0.11.0	ISO Upgrade

For the upgrade procedure, see *Oracle Communications Policy Management 15.0 to 15.x Upgrade Procedures Guide* available on OHC.

Note:

- During the upgrade from 15.0.0.x to 15.0.0.4.0 (or later), due to necessary security enhancements, the passwords will get expired and need to be reset for all the existing GUI users.
- During rollback, the passwords set after the upgrade will not be functional. The passwords will get set back to the original values as present before the upgrade. For more details, please refer to *Oracle Communications Policy Management 15.0 to 15.x Upgrade Procedures Guide* available on OHC.

5

Packages Removed

The following packages are not available in 15.0.0.0.0 and later:

- Telnet
- PHP
- nxframe-tool
- nmap

The following packages are not available in 15.0.0.4.0 and later:

- nmap-ncat

6

Resolved and Known Bugs

This chapter lists the resolved and known bugs for this release of Oracle Communications Policy Management 15.0.0.10.0.

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.
- **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

  a) product inoperability (total or partial outage),

  b) a reduction in the capacity capability, that is, traffic/data handling capability, such that expected loads cannot be handled,

  c) any loss of emergency capability (for example, emergency 911 calls), or

  d) safety hazard or risk of security breach.

- **Problem Report-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

  a) reduction in product's capacity (but still able to handle the expected load),

  b) any loss of administrative or maintenance visibility of the product and/or diagnostic capability,

  c) repeated degradation of an essential component or function, or

  d) degradation of the product's ability to provide any required notification of malfunction.

- **Problem Report-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 - Complete Loss of Service
- 2 - Severe Loss of Service
- 3 - Minimal Loss of Service
- 4- Minor Error, No Loss of Service

Table 2 Resolved Bugs

Sl No.	Num	Customer SR	Sev	Subject	Component
1	39757883	4-0003306994	3	Incorrect policy table search result when rc log level set to DEBUG	MPE
2	39901607	4-0003161086	3	Count of active Sy sessions on MPEs continuously dropped	MPE, CMP

7

Oracle References and Services

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

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 (CAS) can assist you with My Oracle Support 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 1 for Technical issues such as creating a new Service Request (SR).
2. Select 2 for Non-technical issues such as registration or assistance with My Oracle Support.
3. Select 3 for Hardware, Networking and Solaris Operating System Support.

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.

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. 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 7 711 (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 Customer Support Site

Oracle customer documentation is available on the web at the Oracle Technology Network 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 *www.adobe.com*.

1. Access the Oracle Technology Network site at *http://docs.oracle.com*.
2. Click **Industries**.
3. Under the Oracle Communications subheading, click the **Policy Management** link under the **Signaling & Policy**.
4. Navigate to the Release Number, and click the View link (the Download link will retrieve the entire documentation set).
   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, 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.

8

Upgrade Instructions

Please follow the below procedure to upgrade/rollback (only required if upgrading from 15.0.0.x.0 (x=0,1,2,3) to 15.0.0.4.0 or later):

1. Before starting upgrade, save the passwords for the existing GUI users (these passwords will be required during rollback).
2. Upgrade to 15.0.0.4.0 or later patch.
3. After upgrade, when you log in as any existing GUI user, the password will get expired and need to be reset. (Follow the same steps for all the existing GUI users.)
4. In case of rollback, reuse the old passwords that were saved in step1.

   For more information, see *Oracle Communications Policy Management 15.0 to 15.x Upgrade Procedures Guide* available on OHC.