Oracle® Communications Policy Management

Policy Management

Release Notes

Release 11.5.1.1.0

E57754 Revision 02

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ORACLE®

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1

Introduction

Maintenance Release for the 11.5.0.0.0 / 11.5.1.0.0 / 11.5.2.0.0 code streams [see E59931-02 11.5.0 Release Note, E59931-02 11.5.1 Release Note Release Note].

This Release Notice identifies the functions and features of Oracle Communications Policy Management Release 11.5.1.1.0.

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. 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

Oracle Communications Policy Management (OCPM) Release 11.5.1.0 combines Fixed/Wireless and Cable functionality in a single release, and introduces enhanced resilience and geo-redundancy, as well as Sun Netra hardware support for all modes. Features dependent on new functions in Platform 6.7, are introduced, and also compatibility with SDM SPR 9.3, and OCUDR 10.0.

The Fixed/Wireless mode introduces support for RADIUS interfaces, enabling fixed-line and fixed-mobile convergent use cases. Also in Fixed/Wireless mode, Release 11.5.1.0 introduces 3GPP Rel11 and other VoLTE related protocol updates. Policy Management Release 11.5.1.0 inherits all Wireless functionality of Release 10.5 and Release 11.0 and includes updates to the CMP, MRA, and MPE components.

The Cable mode of Release 11.5.1.0 includes updates to MPE and BoD use of PCMM protocol options, optimizes the discovery of CMTS/subnet resources over SNMP, and enhances manageability and redundancy controls in the system. Policy Management Release 11.5.1.0 inherits all Cable functionality of Release 9.4 software, and includes CMP, MA, MPE, and BoD-AM components.

The Fixed/Wireless and Cable feature sets are available based on the mode configuration. Only Fixed/Wireless feature set is supported in "Fixed/Wireless" mode, and only cable feature set is supported in "Cable" mode. Mode configuration must be performed during installation. Post-installation mode change is not supported.

Chapter

2

Feature Descriptions

This maintenance release has no new features. To see features in the 11.5.X release, refer to *Locate Product Release Software on the Oracle Software Delivery Cloud Site*.

Chapter

3

Oracle Communications Policy Management 11.5.1.1.0 Media and Documentation

Topics:

Oracle Communications software is available for electronic download on MY Oracle Support (MOS). Documentation is delivered electronically on the Oracle Software Delivery Cloud (OSDC). 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

All components available for download from My Oracle Support (*http://www.oracle.com/us/support/software/premier/my-oracle-support-068523.html*). Both the software Media Pack and the Documentation Pack are listed in this chapter.

Media pack:

- Oracle Communications Policy Configuration Management Platform 11.5.1.1.0_3.1.0
- Oracle Communications Policy Multimedia Policy Engine 11.5.1.1.0_3.1.0
- Oracle Communications Policy Front End 11.5.1.1.0_3.1.0
- Oracle Communications Policy Bandwidth On-Demand Application Manager 11.5.1.1.0_3.1.0
- Oracle Communications Policy Management Agent 11.5.1.1.0_3.1.0
- Oracle Communications Tekelec Virtual Operating Environment 2.7.0.0.0-84.20.0 (ISO and USB images)
- Oracle Communications Tekelec Platform Distribution 6.7.0.0.1-84.20.0 (ISO and USB images)
- Oracle Communications Tekelec Platform Management and Configuration 5.7.0.0.1-57.17.1

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

Documentation Pack

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

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.

- Related Publications Reference
- Hardware Documentation Roadmap Reference
- Platform Configuration User's Guide
- Configuration Management Platform Wireless User's Guide
- Configuration Management Platform Cable User's Guide
- Policy Wizard Reference
- SNMP User's Guide
- OSSI XML Interface Definitions Reference
- Policy Front End User's Guide
- Bandwidth on Demand Cable User's Guide
- Troubleshooting Reference
- Analytics Data Stream Reference

Chapter

4

Supported Hardware Baseline

Topics:

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

Supported Hardware Baseline

Table 1: Supported Hardware Baseline

Hardware	Description
Cable	HP DL360 G6, G7 & G8 RMS, HP DL380 G8 RMS, and Sun Netra X3-2 RMS
Wireless	HP G6 & G8 RMS, HP C Class G6 & G8, and Sun Netra X3-2 RMS

The firmware components are software that is installed on the hardware.

Chapter

5

Oracle Communications 11.5.1.1.0 Supported Upgrade Path

Topics:

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

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. The possible upgrade paths to Policy 11.5.1.1.0 are listed in *Table 2: Oracle Communications Policy Management 11.5.1.1.0 Upgrade Paths*.

Table 2: Oracle Communications Policy Management 11.5.1.1.0 Upgrade Paths

From	To
9.1.X (9.1.7, 9.1.9, 9.1.10)	11.5.1.1.0
10.5.X (10.5.0, 10.5.1, 10.5.3, 10.5.4, 10.5.5, 10.5.6)	11.5.1.1.0
11.5.0	11.5.1.1.0
11.5.1	11.5.1.1.0

Note: It is recommended that Cable customers remain on the 11.5.1.0.0 release and not consider taking the 11.5.1.1.0 release.

Chapter

6

Oracle Communications Policy Management 11.5.1.1.0 Resolved and Known Bugs

Topics:

This chapter lists the Resolved and Known Bugs for Oracle Communications Policy Management 11.5.1.1.0.

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

This load line-up provides a view of our GA milestone release. Firmware release 2.2.8 was used with this release. The Firmware is addressed by an independent manufacturer (e.g., HP) and will have additional release guidance and requirements. We recommend review of the line-up prior to system

and/or node upgrade. *Table 3: Oracle Communications Policy Management Release 11.5.1.1.0 Resolved Bugs* lists bugs that are resolved in the following builds:

Application Lineup:

• Oracle Communications Policy Configuration Management Platform 11.5.1.1.0.0-3.1.0
• Oracle Communications Policy Multimedia Policy Engine 11.5.1.1.0.0-3.1.0
• Oracle Communications Policy Front End 11.5.1.1.0.0-3.1.0
• Oracle Communications Policy Bandwidth On-Demand Application Manager 11.5.1.1.0.0-3.1.0
• Oracle Communications Policy Management Agent 11.5.1.1.0.0-3.1.0

Platform Lineup:

• Oracle Communications Tekelec Virtual Operating Environment 2.7.0.0.0-84.20.0 (ISO and USB images)
• Oracle Communications Tekelec Platform Distribution 6.7.0.0.1-84.20.0 (ISO and USB images)
• Oracle Communications Tekelec Platform Management and Configuration 5.7.0.0.1-57.17.1

The load line-up listed above provides a view of our GA milestone release.

Note: Customer Known bugs are sorted in ascending order by Severity.

Table 3: Oracle Communications Policy Management Release 11.5.1.1.0 Resolved Bugs

SR #	Bug number	Severity	Title
N/A	21105510	Severity-3	Sy sessions not terminated when SLR-i was triggered by PNR.
N/A	20618548	Severity-3	Subscriber remains subscribed to SPR after failure creating Gx Session (CCR-I).
N/A	21188214	Severity-3	Custom Fields not Being retained After a Dynamic SY SLR.
N/A	21135985	Severity-3	Sh: After initial Sh UDR lookup with "Tel:" then subsequent lookups use "sip:".
3-10787379871	21156153	Severity-3	Enabling MPE "Validate User" also changes other rcmgr settings.
N/A	21147579	Severity-3	CNS: RJIL are seeing PCRF not initiating Sy session with OCS in some situations.
N/A	21378160	Severity-3	SNR Unsubscribe is sent, even though it is not the last session for the user.

Customer Known Bug Listing

Table 4: Oracle Communications Policy Management 11.5.1.1.0 Customer Known Bugs lists known bugs in this release:

Note: Customer Known bugs are sorted in ascending order by Severity.

Table 4: Oracle Communications Policy Management 11.5.1.1.0 Customer Known Bugs

Bug#	Severity	Title
19111750	3-Minor	[235580][Merge][Cable][Feature] BoD Load Shedding doesn't work
19112684	3-Minor	[225306]for cases in which MPE can't derive QoS for AAR message with codecs, MPE
19119805	3-Minor	[241890]XML fields on REST interface from CMP-SPR to be same as Sh XML from MPE
19189360	3-Minor	Quota Enhancements : Exception for getTimeZoneOffsetDifference
19293366	3-Minor	[BoD_Perf]Cant overlap requests for same session while other task is running
19385071	3-Minor	Timestamp needs to update as current time stamp each time OM stats enable
19389935	3-Minor	[BoD_async_notification]The path of the Request-URI hasn't been percent-coded
19509630	3-Minor	[Dynamic quota] Incorrect PUR CamiantPoolDynamicQuota sent causing out-of-sync
19513538	3-Minor	There is error when sending Rx AAR update to Remove a Flow
19523438	3-Minor	[platform]Isolate active DC will result Spare server to OOS
19528781	3-Minor	[Cable, Longevity, BOD] There are always failed BOD sessions after 1 day running
19545449	3-Minor	System Wide Report window has an Incorrect title
19550781	3-Minor	[KPI]MPE-R and MPE-S should have different TPS benchmark for KPI dashboard
19629923	3-Minor	COMCOL Port 17402 is not moved when changing WAN HA paths
19640249	3-Minor	There should be no Config Mismatch when there is IPv6 subnet format difference
19644945	3-Minor	Pass expiration not extended when second pass becomes active within dbplugin
19666874	3-Minor	[MGPI]Envelope value is not right when flow status change from disable to remove
19667077	3-Minor	[CMP_GUI]Load Shedding Configuration contains items not related to Cable -APN

19682903	3-Minor	[Longevity] Progress bar cannot come to 100% in CMP GUI
19684505	3-Minor	[Online_Help] Add mode control for online help
19846430	3-Minor	Add configuration calculation with appropriate numbers for RMS-G7
19871263	3-Minor	System Administration Privileges under User management needs some changes
19880865	3-Minor	The regulation of generated PDF pagination is unreasonable for connection stats
19886527	3-Minor	[raidus phase1]thread of rsyslogd is dead during performance test
19915486	3-Minor	[platform]alarm31109 popup after correct server's hostname
19943882	3-Minor	PUR with no service indication was generated when creating session for 2nd user
19971498	3-Minor	[Loadshedding]Hide RAR,ASR message types for Rx load shedding rule
19977297	3-Minor	All synchronous lookups should be removed from DbPlugin Code
19982790	3-Minor	[Load shedding]Default load shedding busy level criteria need to be re-tunning
20010969	3-Minor	Number of pass not updated on policy after receiving PNR notify to remove
20011880	3-Minor	[KPI stats] LDAP transactions not being counted as part of the total MPE txns
20018575	3-Minor	[COMCOL] inetrep connection instability after HA failover
20032655	3-Minor	[imysqld] process (Imysqld) unexpectedly terminated
20060647	3-Minor	[DiamCLI]Diamcli does not support "appdetectinfo1.tdfappid" in ccr gx command
20065945	3-Minor	[CMP]ScheduleTask RunningTime NOT match CMP system time after Timezone changed
20071570	3-Minor	Combined PNR from HSS through policy engine to cause single re-auth
20072046	3-Minor	[Policy Table] popup window for email message in table is too small
20089309	3-Minor	Subscriber Activity Log: Backup alarm auto-clears in 5 mins

20095199	3-Minor	Sy DbPlugin has synchronous lookup calls
20100462	3-Minor	[CMP]timezone display error in CMP GUI when Timezone=Australia/Sydney
20106635	3-Minor	[platform]2nd site's CMP inetmerg has problem after degrade recovery
20117961	3-Minor	[platform]added-server in site2 still Dual-Active after cmha connection setup
20121669	3-Minor	[Unmanaged_MPE]Exception seen while clicking on PDN APN Suffix Report in CMP GUI
20126350	3-Minor	[Audit log]The code shouldn't display in the Audit log page
20171920	3-Minor	[CMP_UI]"Export CSV" button of Trending reports doesn't work on Firefox
20201295	3-Minor	[Radius2] NE of BNG type was not pushed to clean installed MRA without failover
20225284	3-Minor	[Longevity] There is IllegalStateException from bod.log during longevity test
20225357	3-Minor	[platform]Recovery of Primary HA TCP result to site1's 2server normal-OOS-normal
20226077	3-Minor	There are failed sessions on VMs at 05:00 every day during longevity test
20234752	3-Minor	There is exception if four instances are monitoring KPI dashboard on CMP
20241759	3-Minor	The association change between MPE and MA may make MPE traffic failure
20257525	3-Minor	MPE detects PNR with same ETE/Orig-Host as duplicate even after 1 minute
20271665	3-Minor	The number of deleted stale session in one cycle is 5001 in BoD session cleanup
20315051	3-Minor	[platform]replication process use memory till to 100% and then restart
20322266	3-Minor	SH lookup for Quota should not happen for AF sessions
20322799	3-Minor	[platform] Replication Plan filter is empty
20332705	3-Minor	[CMP - MRA Association] User should not be able to save assoc w/o Primary Index
20350453	3-Minor	[Sy]1st SLR times out - 2nd SLR never send out
20407050	3-Minor	WSDL for BoD session monitor service should be updated

20440083	3-Minor	Sy session id still exist Gx session when SLR-u with NO_AVAILABLE_POLICY_COUN
21039752	3-Minor	CNS: Stats Reports not generated post 11.5 upgrade
21069688	3-Minor	Incorrect IntervalMaxTransactionsPerSecond description in OSSI XML document
21080829	3-Minor	[BoD] bodmgr can't opened in 11.5.1_24.1.0
21083478	3-Minor	MySQL Exception Encountered at CMP Config
21105510	3-Minor	Sy sessions not terminated when SLR-i was triggered by PNR
21123020	3-Minor	11.5.1 upgrade doc is missing any procedures for 'spare' server upgrade
20384900	3-Minor	[migration]error info popup during running migration script
20434284	3-Minor	[AuditLog]auditlog for Scheduled Task does not record server info
20434467	3-Minor	[AuditLog]vlan info is error when create/modify 2nd CMP site and HW=SUN
20517089	3-Minor	[migration]migration log should be saved in file and savelog
20527626	3-Minor	[platform]HW=Sun alarm LED light in front-panel mismatch with server real alarm
20652433	3-Minor	[Auditlog]no promote auditlog after demote CMPsite1 and promote CMPsite2
20726732	3-Minor	[Tracelog forwarding]CMP don't check the duplicated IP or hostname
20734160	3-Minor	[Tracelog forwarding]Some problems in audit log
20905823	3-Minor	User object is getting created in secondary session after deleting it on primary
20977278	3-Minor	[Alarm]350 CMTS disconnection/reconnection, the number of traps is not correct
20986157	3-Minor	Connection between MPE-R and site2 MPE-S cannot setup if site2 MPE-S added later
20986198	3-Minor	Connection between MPE-R and MPE-S cannot setup if MPE-S signalling IP changed
21038863	3-Minor	[CMP-NE]Add two CMTS with same ipv6 address,they can be added successfully
21094218	3-Minor	[CMP]auditLog Time NOT update after CMP changed TimeZone in platcfg

21124820	3-Minor	Harmless 31103 alarms raised during restart
21029042	2-Major	Upgrading 10.5 to 11.5 code CMP policyUpgrade.pl script incompatible

Chapter

7

Oracle References and Services

Topics:

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*. 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 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.