

Policy Management

Release Notes

Release 12.3.1

E91830-02

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Policy Management Release Notes, Release 12.3.1

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Introduction

These release notes identify the functions and features of Oracle Communications Policy Management which include:

- Feature descriptions
- Supported hardware baseline
- Software and documentation
- Supported upgrade paths
- Compatibility
- Resolved bugs
- Customer-known bugs

Directions for accessing key Oracle sites and services are also identified in the [Oracle References and Services](#).

Release notes are available on [Oracle Help Center](#) and are made available for every software release.

Enhancement Descriptions

This section lists the enhancements for this release.

Note: There are no enhancements for this release.

Software and Documentation

Oracle Communications software is available for download on the Oracle software delivery website. Documentation is delivered electronically on [Oracle Help Center](#). Both the software and the documentation are listed in this chapter.

Software

All components are available for download from the software delivery website (<http://www.oracle.com/us/support/software/premier/my-oracle-support-068523.html>).

Note: These files are available in one or more of the following formats:

- *.iso: for bare metal deployments
 - *.ova: for VMware and OVM/OVS deployments
 - *.qcow2: for KVM/Openstack deployments
-

Software:

- Oracle Communications Policy Management Configuration Management Platform 12.3.1.0.0_42.1.0
- Oracle Communications Policy Management Multimedia Policy Engine 12.3.1.0.0_42.1.0
- Oracle Communications Policy Management Policy Front End 12.3.1.0.0_42.1.0
- Oracle Communications Policy Management Mediation Server 12.3.1.0.0_42.1.0
- Oracle Communications Tekelec Virtual Operating Environment (TVOE) 3.0.3.0.0-86.46.0, 3.0.3.0.0-86.45.0, and 3.0.3.0.0-86.43.0
- Oracle Communications Tekelec Platform Distribution (TPD) 7.0.3.0.0_86.46.0
- Oracle Communications Tekelec Platform Management and Configuration (PM&C) 6.0.3.0.2-60.28.0 and 6.0.3.0.1-60.27.0

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.

Documentation

All documents available for download from Oracle Help Center (<http://docs.oracle.com/en/industries/communications>).

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

- Platform Configuration User's Guide
- Configuration Management Platform Wireless User's Guide
- Policy Wizard Reference
- SNMP User's Guide
- OSSI XML Interface Definitions Reference
- Policy Front End User's Guide
- Mediation Server User's Guide
- Troubleshooting Reference
- Analytics Data Stream Reference
- Policy Variables Reference
- Network Impact Report
- Virtual Network Function Overview and Direction
- Cloud Installation Guide
- Software Installation Guide
- 12.1.x/12.2.x to 12.3 Upgrade Procedure Georedundancy Enabled
- 12.1.x/12.2.x to 12.3 Upgrade Procedure Non-CMP Georedundancy Disabled
- Disaster Recovery Guide
- Cloud Software Upgrade Guide, Georedundancy Disabled
- Cloud Software Upgrade Guide, Georedundancy Enabled
- Cloud Disaster Recovery Guide
- Concepts for Wireless Networks
- Licensing Information User Manual

Supported Hardware Baseline

The hardware identified in [Supported Hardware Baseline](#) comprises the hardware and server versions that have been verified with this release.

Supported Hardware Baseline

Table 4-1 *Supported Hardware Baseline*

Hardware	Description
HP Gen 8/8+	Rackmount and C-Class servers configured as defined in the configuration workbook.
HP Gen 9	Rackmount and C-Class servers configured as defined in the configuration workbook.
X5-2 servers	Rackmount servers configured as defined in the configuration workbook.
X5-2 NETRA servers	Rackmount servers configured as defined in the configuration workbook.

The firmware components are software that is installed on the hardware. These components are listed in the Firmware Release Notice:http://docs.oracle.com/cd/E57832_01/index.htm.

Firmware Components

The firmware components are software that is installed on the hardware. These components are listed in the Firmware Release Notice: http://docs.oracle.com/cd/E57832_01/index.htm.

Firmware Component List

The firmware documents are available from Oracle Help Center: http://docs.oracle.com/cd/E57832_01/index.htm.

Table 5-1 shows the firmware components used in this release.

Table 5-1 Supported Firmware Components

Hardware	Release (see note)	Description
HP Firmware FUP	2.2.11 (minimum)*	FC
Oracle X5-2 Firmware	3.1.5 (minimum)	FC

FC

Fully Compatible

PC

Partially Compatible (Compatible but not fully functional [feature dependent])

NC

Not Compatible

N/A

Not Applicable

Note: There are no general restrictions on the use of newer firmware. Oracle provides guidance in the *HP Solutions Firmware Upgrade Pack Release Notes* on the maximum firmware version for a component. Only when there is a known compatibility issue with a newer firmware version is a maximum version specified. Oracle recommends that the latest firmware release always be used unless there is a known compatibility issue.

Compatibility and Software Upgrade Paths

This chapter provides a Policy Management compatibility matrix and a table of upgrade paths.

UDR and Policy Management Compatibility Matrix

The firmware documents are available from Oracle Help Center: http://docs.oracle.com/cd/E57832_01/index.htm.

[UDR and Policy Management Compatibility Matrix](#) lists which releases of Policy Management are compatible with each release of UDR.

Table 6-1 UDR and Policy Management Compatibility Matrix

UDR Software Release	Compatible Policy Management Software Releases
12.1	11.5, 12.1*, 12.2 , 12.3, 12.3.1
12.2	12.1, 12.2, 12.3, 12.3.1
12.4	12.1, 12.2, 12.3, 12.3.1

* If you decide to use the UDR enterprise pools feature in UDR release 12.2, then Policy Management release 12.2 is required. A special upgrade sequence order is required:

1. Upgrade to Policy Management 12.2.
2. Upgrade to UDR 12.2.
3. Upgrade to Policy Management 12.2.2.

After this is complete, the UDR enterprise pools feature can be enabled.

Supported Upgrade Paths

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

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. The possible upgrade paths to Policy Management 12.3.1 are listed in [Table 7-1](#).

Table 7-1 Upgrade Paths

From	To	Mechanism
12.1.1.0.0	12.3.1	ISO upgrade
12.1.2.0.0	12.3.1	ISO upgrade
12.2.1.0.0	12.3.1	ISO upgrade
12.2.2	12.3.1	ISO upgrade
12.3.0.0.0	12.3.1	Patch upgrade
12.3.0.0.3	12.3.1	Patch upgrade

Resolved and Known Bugs

This chapter lists the resolved and known bugs for Oracle Communications Policy Management 12.3.0.

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 resolved and known bug tables in this document refer to bug severity levels listed in this section. Definitions of these levels can be found in the publication *TL 9000 Quality Management System Measurement Handbook*.

Note: A problem report is 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 the following:
 1. Product inoperability (total or partial outage)
 2. A reduction in the 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 the following:
 1. Reduction in the 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.
 - Minor: No Loss of Service. Oracle severity is outside 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.
Oracle severity is outside what is defined by TL 9000.

Resolved Bug Listing

[Oracle Communications Policy Management Resolved Bugs](#) lists bugs that are resolved in the following builds:

Note: These files are available in one or more of the following formats:

- *.iso: for bare metal deployments
 - *.ova: for VMware and OVM/OVS deployments
 - *.qcow2: for KVM/Openstack deployments
-
-

Application Lineup

- Oracle Communications Policy Configuration Management Platform 12.3.1.0.0_42.1.0
- Oracle Communications Policy Multimedia Policy Engine 12.3.1.0.0_42.1.0
- Oracle Communications Policy Front End 12.3.1.0.0_42.1.0
- Oracle Communications Mediation Server 12.3.1.0.0_42.1.0

Platform Lineup

- Oracle Communications Tekelec Virtual Operating Environment (TVOE) 3.0.3.0.0-86.46.0, 3.0.3.0.0-86.45.0, and 3.0.3.0.0-86.43.0
- Oracle Communications Tekelec Platform Distribution (TPD) 7.0.3.0.0_86.46.0
- Oracle Communications Tekelec Platform Management and Configuration (PM&C) 6.0.3.0.2-60.28.0 and 6.0.3.0.1-60.27.0

The load line-up listed above provides a view of Oracle's GA milestone release.

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

Table 8-1 Oracle Communications Policy Management Resolved Bugs

Severity	Bug Number	SR#	Title
3	26727808	3-15642817061	DESTINATION-REALM AVP got case sensitive in rel 12.2.1
3	26695117		upgrade jdk to 8u144 or later
3	26657734		Reflective Cross-Site Scripting Attack on OC Policy Management Portal
3	26643387	3-15427134231	SLR_U going out with DRA as destination-host - Causing 3002 Failures
3	26575475		[CMP] if password is less than 6 characters it goes to page of change password
1	26572415	3-14864220001	[12.2] MRA only connects to the primary site IP in Diameter peer table
3	26568310		RAR not going with event trigger - Access_network_info_report with Netloc ON
3	26542317		Print more error log for Bug 26407695 - camiant.db.DbException at reapplying conf
2	26516210	3-15237783561	KPI stats RAR Sent and RAA Recv lot of difference
3	26434972	3-15288625711	AVP "User-Location-Info-Time" Mandatory flag needs to be set to 'mustnot'
3	26369514		Dynamic Quota PNR processing is partially under UserID Lock while processing
2	26319043	3-15113530831	OM Statistics Task Hung (in running status for more than 36 hrs)
4	26300634	3-15113441071	RJIL_Failed Login Attempts Not Captured in Audit Logs
2	26274389	3-14777086031	Timeouts observed after upgrade to 12.2.1
3	26271777	3-14809575781	Multiple time entries in reports, though the collection period is set to 15mins
1	26268553	3-14777086031	Policy Server Major Alarm (Java Heap Usage above 4G) after upgrading to 12.2.1
2	26268538	3-14618184331	Session Cleanup Task not working
3	26263540	3-14853808691	Session-Sync-Requested AVP has incorrect value
3	26243434		[PLAT] CMP OOM if using profile(4vcpu+16G RAM +108G storage)
2	26237503	3-14487729351	Sy Clean up causing Gx RAR to go wven when there is no change in PC Counters
3	26228874	3-14694474391	unexpected QP Proc Restart

Table 8-1 (Cont.) Oracle Communications Policy Management Resolved Bugs

Severity	Bug Number	SR#	Title
3	26147953		[Upgrade] Error occur in Sec Password Res menus after upgrade from 12.1 to 12.3
3	26104300		MPE failover when X1 simulator run ltarget to the MPE with 10K targets
2	25598672	3-14342359181	Javascript Evaluate as Expression causes increased latency/busy
3	26729731	3-15651004871	Corefiles generated after upgrade 12.3
3	26883510	3-15600131401	SSH session logout in 3 min , insufficient time to collect save log
3	26790766	3-15729613851	Stats file sync to mates failed, Reason: Unknown error. Actual rsync exit code 1
2	26909813	3-15595635931	Next Reset Time not correct after subscriber changes pool
3	26961980	3-15781797391	Wrong Bandwidth calculated on AMR-WB codec
3	26963699	3-15827000691	State variable not updated with new data after subscriber reattached
4	26993902		replace 3rd party library flexjson in Oracle Communications Policy Management

Customer-Known Bugs

There are no customer- known bugs in this release.

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 is your initial point of contact for all product support and training needs. A representative at Customer Care Center can assist you with My Oracle Support registration.

Call the My Oracle 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:

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 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 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 training for service providers and enterprises. Visit our web site to view, and register for, Oracle Communications training:

<http://education.oracle.com/communication>

To obtain contact phone numbers for countries or regions, visit the Oracle University Education web site:

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 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 opens. Policy Management is listed in the Network Session Delivery and Control Infrastructure section.

4. Click **Policy Management** and then the release number.

A list of the documentation set for the release displays.

5. To download a document, click  (download icon) and then click **PDF**.

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.