

**Oracle® Communications  
Policy Management**

Release Notes

Release 12.1.2

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Oracle Communications Policy Management Release Notes, Release 12.1.2

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# Chapter 1

## Introduction

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The Oracle Communications Policy Management 12.1.2 release is a maintenance release for the 12.1.x code stream [see E53266-01 12.1 Release Notes].

These Release Notes identify the functions and enhancements of release 12.1.2 that includes:

- Enhancement descriptions
- Supported hardware baseline
- Media Pack and Documentation Pack contents
- Supported upgrade paths
- Resolved bugs
- Customer-known bugs

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

## Enhancement Descriptions

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### Topics:

- *SMS Scheduled Delivery (Enhancement 22330411).....8*
- *Policy Management Support for Enterprise Quota Pools (Enhancement 21057900).....8*
- *Extending Quota Grant Percentage to 5 Decimal Places (Enhancement 21123671).....8*
- *Configuration Template Enhancement for Advanced Configuration Settings (Enhancement 22600975).....8*

This release has the following enhancements:

## **SMS Scheduled Delivery (Enhancement 22330411)**

The SMS Schedule Delivery enhancement now allows for the ability for Policy Management to send the subscriber SMS notifications on a future day that can be specified using a policy action.

## **Policy Management Support for Enterprise Quota Pools (Enhancement 21057900)**

The Enterprise Quota Pools enhancement now allows for the Policy Management to support up to 1,500 members in each quota pool for enterprise applications. This enhancement requires a baseline release of the User Data Repository Release 12.1.

## **Extending Quota Grant Percentage to 5 Decimal Places (Enhancement 21123671)**

The Extending Quota Grant Percentage to 5 Decimal places enhancement, provides the ability to set the user and the session quota grants using a policy action at finer grain levels using up to five (5) decimal places.

## **Configuration Template Enhancement for Advanced Configuration Settings (Enhancement 22600975)**

This enhancement to the configuration template supports all common configurations except server-specific items such as IP Addresses. It enables the user to utilize full support of the expert settings and service override.



# Chapter 3

## Media and Documentation

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### Topics:







- [Media Pack.....10](#)
- [Documentation Pack.....10](#)

Oracle Communications 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

All components available for download from My Oracle Support  
(<http://www.oracle.com/us/support/software/premier/my-oracle-support-068523.html>).

Media pack:

- Oracle Communications Policy Configuration Management Platform 12.1.2.0.0\_22.1.0
- Oracle Communications Policy Multimedia Policy Engine\*
- Oracle Communications Policy Front End 12.1.2.0.0\_22.1.0
- Oracle Communications Policy Configuration Management Platform 12.1.2.0.0\_22.1.0 OVA
- Oracle Communications Policy Front End 12.1.2.0.0\_22.1.0 OVA
- Oracle Communications Policy Multimedia Policy Engine 12.1.2.0.0\_22.1.0 OVA
-  Oracle Communications Tekelec Virtual Operating Environment 3.0.3-86.45.0 
-  Oracle Communications Tekelec Platform Distribution 7.0.2.0.0\_86.28.0 
-  Oracle Communications Tekelec Platform Management and Configuration 6.0.3.0.2-60.28.0 

**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.

\* This is a standard version of MPE media pack generally available to ALL customers for download.

## 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. See Oracle Help Center for the latest information.

- Related Publications Reference
- Hardware Documentation Roadmap Reference
- Platform Configuration User's Guide
- Configuration Management Platform Wireline User's Guide
- SNMP User's Guide
- OSSI XML Interface Definitions Reference
- Policy Front End User's Guide
- Troubleshooting Reference

# Chapter 4

## Supported Hardware Baseline

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### Topics:

- [Supported Hardware Baseline.....12](#)

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
Wireless HP Gen 6 C-Class BL460 Blades	C-Class Blade Servers configured as defined in configuration workbook.
Wireless HP Gen 8 C-Class BL460 Blades	C-Class Blade Servers configured as defined in configuration workbook.
Wireless HP Gen 9 C-Class BL460 Blades	C-Class Blade Servers configured as defined in configuration workbook.
DL360 RMS	Rackmount Servers configured as defined in the configuration workbook.
DL380 RMS	Rackmount Servers configured as defined in the configuration workbook.
X5-2 Sun non-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. Please refer to [http://docs.oracle.com/cd/E57832\\_01/index.htm](http://docs.oracle.com/cd/E57832_01/index.htm) to view the latest Firmware Release Notice.

# Chapter 5

## Firmware Components

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### Topics:

- [Firmware Component List.....14](#)

The firmware components are software that is installed on the hardware. These components are listed in the Firmware Release Notice.

## Firmware Component List

The firmware document is available on the Oracle Help Center (OHC) site at: <http://docs.oracle.com>

Table shows the Firmware components used in this release.

**Table 2: Supported Firmware Components**

Hardware	Release	Description
H HP Firmware FUP	2.2.8 (Minimum*)	FC
Oracle X3-2 Firmware	3.1.2 (Minimum)	FC
Oracle X5-2 Firmware	Latest X5-2 firmware	FC

FC - Fully Compatible

PC - Partially Compatible (Compatible but not fully functional (feature dependent))

NC - Not Compatible

N/A - Not Applicable

\* HP Gen 9 HW HP FUP 2.2.9 is the minimum required.

# Chapter 6

## Supported Upgrade Path

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### Topics:

- [Supported Upgrade Paths.....16](#)

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 12.1.2.0.0 are listed in [Table 3: Release 12.1.2.0.0 Upgrade Path](#).

**Table 3: Release 12.1.2.0.0 Upgrade Path**

From	To
10.5.x	12.1.2.0.0
11.5.x	12.1.2.0.0
12.0.x	12.1.2.0.0
12.1.x	12.1.2.0.0

Oracle recommends that you upgrade the components in this order:

- CMP
- MPE
- MRA



# Chapter 7

## Resolved and Known Bugs

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### Topics:

- *Severity Definitions.....18*
- *Resolved Bug Listing.....18*
- *Customer-Known Bug Listing.....20*

This chapter lists the Resolved and Known Bugs for Oracle Communications Policy Management 12.1.2.0.0.

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 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

## Resolved Bug Listing

*Table 4: Release 12.1.2.0.0 Resolved Bugs* lists bugs that are resolved in this release.

## Resolved and Known Bugs

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

**Table 4: Release 12.1.2.0.0 Resolved Bugs**

Severity	Bug number	SR #	Title
1	23284775	3-12596751871	SpaceTimeLimitedCache does not function correctly in high TPS environment
1	23269077	3-12573117466	ADC Rule being installed instead of PCC Rule
1	23269047	3-12596751871	MRA went diameter busy due to user getting stuck
2	23206332	3-12571813971	MRA sending IP-CAN_SESSION_NOT_AVAILABLE (5065) errors
2	22902385	3-12254510501	Diameter_Pending_transaction Feature issue
3	23269066	3-12552555311	MRA returns 5065 *with Topology Hiding enabled*
3	23143328	N/A	NetLoc was broken when AFDirectReply=true
3	23119809	3-12210969161	SMS with 158 characters split in two msg
3	23108326	N/A	Back to back PUR causing quota not getting reset when using dynamic grant
3	23107885	N/A	Rx STA message not consistent between Sync and Async mode
3	23048192	N/A	Origination Timestamp feature does not consider time when writing to Db
3	23019018	3-11694540261	Configured advanced key SH.SubscriberMSISDNFromDataSource gave undefined error
3	22917998	3-12060153791	MPE drops CCR-U when it receives CCRU and CCRI for same subscriber within millisecc
3	22868660	3-12270822011, 3-12005557511	Pair 3 - GR - Failed Promotion on njbbs02mpe02 cluster
3	22861500	3-12265129141	Custom value in User profile is not updated with NULL from previous non Null Val
3	22756780	N/A	[CT]:KPI dashboard display issue for the MPES in the backup MRA
3	22482471	N/A	[CMP]JDBC Communications Link Failure still occurred even Imysqld recovered.
3	22460556	3-11910388611	After upgrade quota profile for pass changes from subscriber to pool

Severity	Bug number	SR #	Title
4	23184198	N/A	Modify M-bit in DiameterAVP "MS-TimeZone-3GPP"
4	22649529	3-11590732761	Policy action to subtract usage for MK does not work for Pass

## Customer-Known Bug Listing

*Table 5: Release 12.1.2.0.0 Customer-Known Bugs* lists known bugs in this release:

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

**Table 5: Release 12.1.2.0.0 Customer-Known Bugs**

Severity	Bug Number	Title	Impact Statement	Work Around
3	23182881	[S9] quota grant on S9 session does not result in grant in CCA	Quota cannot be used with S9.	N/A
3	23139934	Data Source configuration is not replaced by the template data	Config template override may not always work as expected with Data Source.	Using primary address and secondary address of data source to detect and remove overlaps.
3	23104376	[Radius] Release IP CAN session can't terminate radius session	Could result in stale Radius sessions that will impact performance over time.	N/A
3	22865228	[Upgrade] Custom AVP export from 10.5.6 can't import to 12.1.2	Custom AVPs exported from 10.5.6 cannot be imported into 12.1.2.	Re-create custom AVPs.

# Chapter 8

## Oracle References and Services

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### Topics:

- *My Oracle Support (MOS).....22*
- *Emergency Response.....22*
- *Customer Training.....23*
- *Locate Product Documentation on the Oracle Help Center Site.....23*
- *Locate Product Release Software on the Oracle Software Delivery Cloud Site.....23*

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

## 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 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.

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