

**Oracle® Communications  
Policy Management**

Release Notes

Release 10.4.2

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Oracle Communications Policy Management Release Notes, Release 10.4.2

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# Chapter 1

## Introduction

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The Oracle Communications Policy Management 10.4.2 release is a maintenance release for the 10.4.x code stream [see E53266-01 10.4 Release Notes].

These Release Notes identify the functions and enhancements of release 10.4.2 that includes:

- Enhancements 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:

- *Platform Upgrade for Release 10.4.2 (Enhancement 2130039) .....7*
- *Policy Application Changes for Release 10.4.2 after Platform Upgrade (Enhancement 21317541).....7*

The Oracle Communications Policy Management 10.4.2 maintenance release contains the following new enhancements and bug fixes. For enhancements in release 10.4.2, refer to:  
[http://docs.oracle.com/cd/E52440\\_01/docs.104/E53266-01.pdf](http://docs.oracle.com/cd/E52440_01/docs.104/E53266-01.pdf).

## Platform Upgrade for Release 10.4.2 (Enhancement 2130039)

- This enhancement is an upgrade to both the TPD (Tekelec Platform Distribution) and COMCOL platforms. This enhancement also includes upgrades to JDK, Mysql Server, and a newer approved version of Tomcat. The platform upgrades affect application functionality described in [Policy Application Changes for Release 10.4.2 after Platform Upgrade \(Enhancement 21317541\)](#).

## Policy Application Changes for Release 10.4.2 after Platform Upgrade (Enhancement 21317541)

The platform upgrades affect the following application functionality:

- Creation of new user "admusr" account: This account can be the login by user who then is able to execute all privilege commands by "sudo" without using a root password. The user also can manage commands with standard Linux utilities.
- Enhanced security by creating immediate expiration of password after password reset: This forces the user to create a unique password and so no legacy passwords can exist.
- Enhanced firewall implementation based on TPD "iptables" functionality as well as creation of new "custom prefer" option: this enhancement enables the user to remove the built-in factory rule by creating a "custom prefer" rule. This enable both the customized rule and built-in factory rule to be applied on the same port and same transport protocol.
- Alarm 70050 added for monitoring time zone changes: if this alarm is activated, the application needs to be restarted.
- Alarm 70031 added as part of improved network link monitoring capability.
- Router configuration was consolidated and enhanced using special "/opt/camiant/bin/qpRoutTool" function: all router configuration functions are consolidated to one unique function saving time in configuring multiple independent routers.

# Chapter 3

## Media and Documentation

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### Topics:

- [Media Pack.....9](#)
- [Documentation Pack.....9](#)

Oracle Communications software is available for download on Oracle software delivery website. Documentation is delivered electronically on Oracle Help Center. Both the software Media Pack and the Documentation Pack are listed in this chapter.



## Media Pack

All components are available for download from the Oracle software delivery website (<http://edelivery.oracle.com/>).

**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.

The Media Pack contains the following:

- Oracle Communications Policy Management 10.4.2.0.0\_12.1.0 Configuration Management Platform
- Oracle Communications Policy Management 10.4.2.0.0\_12.1.0 Multimedia Policy Engine
- Oracle Communications Tekelec Platform Distribution (TPD) 6.7.2 (ISO and USB images)
- Oracle Communication COMCOL 6.3 (ISO and USB images)

## Documentation Pack

All documents are 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 the latest information.

This Documentation Pack contains the following:

- 10.4.2 Software Configuration Guide PDF
- Software Upgrade Procedure 10.4.1 to 10.4.2 PDF
- Configuration Management Platform Wireline User Guide PDF
- Platform Configuration User Guide PDF
- SNMP User Guide PDF
- OSSI XML Interface Definitions Reference Guide PDF
- Troubleshooting Reference Guide PDF

# Chapter 4

## Supported Hardware

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### Topics:

- [Supported Hardware.....11](#)

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

## Supported Hardware

Table 1: Release 10.4.2 Supported Hardware

Hardware	Description
DL 380	Rack Mount Server configure as defined in configuration workbook

# Chapter 5

## Supported Upgrade Paths

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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. Verify that your current installed release is listed on a valid upgrade path.

## Supported Upgrade Paths

**Table 2: Release 10.4.2 Upgrade Paths**

Server Type	From	To
CMP	10.4.1	10.4.2
MPE	10.4.1	10.4.2

**Note:** Oracle does not recommend any upgrade other than those listed here.

**Note:** Upgrade the servers in the following order:

1. CMP
2. MPE

# Chapter 6

## Resolved and Known Bugs

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### Topics:

- *Severity Definitions.....15*
- *Resolved Bugs.....15*
- *Customer Known Bugs.....16*

This chapter lists the resolved and known bugs for Oracle Communications Policy Management release 10.4.2.

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 Bugs

*Table 3: Release 10.4.2 Resolved Bugs* lists bugs that are resolved in the following builds:

Application Lineup

- Oracle Communications Policy Configuration Management Platform 10.4.2.0.0\_12.1.0
- Oracle Communications Policy Multimedia Policy Engine 10.4.2.0.0\_12.1.0

Platform Lineup

- Oracle Communications Tekelec Platform Distribution (TPD) 6.7.2.0.0\_84.33.0
- Oracle Communications Tekelec Platform Management and Configuration (COMCOL) 6.3p403.12195

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

**Table 3: Release 10.4.2 Resolved Bugs**

Severity	Bug Number	SR#	Title
2	19118735	N/A	No Device Interface Warning Alarm for backplane interface down HA cluster
2	19112550	N/A	Active MPE Server is "OOS" state after unplug both bond3 cables of active MPE
3	19119882	3-10037748691	Unexpected Failover of CMP cluster during system backup
3	19105083	N/A	Too much event 31294 generated before finish initial configuration

## Customer Known Bugs

*Table 4: Release 10.4.2 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 4: Release 10.4.2 Customer Known Bugs**

Severity	Bug Number	SR#	Title	Impact Statement	Work Around
3	22645868	N/A	In upgrade, alarm 31283 was asserted without instance when running old version	Only occurs when in the mix-mode state during an upgrade, and the only impact is that this alarm can't be auto-cleared.	Clear this alarm manually
3	22605312	N/A	[Backout]CMHA offline in mixed versions between active 6.3 and standby 6.1	HA status is abnormal when servers within one cluster are in mix-mode during system backout.	Run command "pm.kill cmsopa" several times as root on standby server



## Resolved and Known Bugs

Severity	Bug Number	SR#	Title	Impact Statement	Work Around
3	22089359	N/A	[platform]re-save firewall in platcfg cannot remove manually created firewall	QP platcfg can't manage firewall rules which user added manually using OS command directly.	Manage firewall rules using QP platcfg menu instead
3	21753349	N/A	Alarm "DB replication via SOAP has failed" after Backout	When having this alarm during system backout, user can't change topology on active CMP server.	On active CMP server, execute below command as root "pm.kill cmsopa"
4	22259444	N/A	Alarm "HA Secondary Path Loss of Connectivity" in Mixed Mode	Only occurs during upgrade, for example, when the servers in same cluster are running with different versions. This alarm will be auto-cleared if the servers in same cluster are running with same version.	N/A
4	22024850	N/A	Un-owned Directory of "admusr" after Backout	After backout, the home directory of new introduced account "admusr" became un-owned directory.	Manually delete this directory after backout

## Oracle References and Services

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### Topics:

- *My Oracle Support (MOS).....19*
- *Emergency Response.....19*
- *Customer Training.....20*
- *Locate Product Documentation on the Oracle Help Center Site.....20*
- *Locate Product Release Software on the Oracle Software Delivery Cloud Site.....20*

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.