

Oracle® Communications

User Data Repository

Release Notes

Release 12.10

F47145-02

November 2022

ORACLE®

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Introduction

Oracle Communications User Data Repository release 12.10.0.0.0 is a major release for the 12.10.0.0.0 code stream.

These Release Notes include:

- Uplifted the platform software of TPD, Comcol, Appworks, ExgStack, and DPI
- Upgraded 3rd party libs for OL6 based packages and on application
- Security hardening on the TPD
- Bug fixes

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.

Software and Documentation

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

Software

All components are available for download from the Oracle Software Delivery Cloud (<http://edelivery.oracle.com>).

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.

Software:

- Oracle Communications User Data Repository 12.10.0.0.0_110.4.0-x86_64
- Oracle Communications Tekelec Platform Distribution 64-bit 7.8.0.0.0-89.8.1
- Oracle Communications Tekelec Platform Management and Configuration 6.6.1.0.0-66.9.0
- Oracle Communications Tekelec Virtual Operating Environment 3.8.0.0.0_89.8.1

Documentation

All documents available for download from Oracle Help Center ([http:// docs.oracle.com](http://docs.oracle.com)) are listed in [Documentation](#).

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

- Core Documentation Set
 - Enhanced Subscriber Profile Repository User's Guide
 - Feature Configuration Guide
 - Operation, Administration, and Maintenance User's Guide
 - Alarms, KPIs, and Measurements Reference
- Installation, Upgrade, and Disaster Recovery Set
 - Installation and Configuration Guide
 - Cloud Installation Guide
 - Heat Templates
 - Network Interconnect Reference
 - Software Upgrade Procedure

- Disaster Recovery Guide
- Cloud Disaster Recovery Guide
- Network Interconnect Reference Guide

- Configuration Document Set
 - Communication Agent User's Guide
 - Diameter Common User's Guide
 - Diameter User's Guide
 - Security Guide

- Provisioning Document Set
 - SOAP Provisioning Interface Reference
 - REST Provisioning Interface Reference
 - Bulk Import / Export File Specification

- Licensing Information
 - Licensing Information User Manual

Supported Hardware

The hardware configurations identified in this chapter comprise the hardware and server versions that have been verified with this release.

Supported Hardware

Table 4-1 Low Capacity Configurations

Hardware	Minimum RAM Configuration (per site)
2 HP G8 DL-380 RMS servers per site	2x192GB RMS, each with 12x 15K RPM HDDs
2 HP G8 DL-380 RMS servers per site	2x64GB RMS, each with 6x 10K RPM HDDs
2 HP G9 DL-380 RMS servers per site	2x256GB RMS, each with 6x 15K RPM HDDs
2-server HP G8 C-Class configuration	2x192GB blades 2xStorage array *
2-server HP G9 C-Class configuration	2x256GB blades 2xStorage array *

*HP G8 supports either D2200sb or D2220sb storage array. HP G9 requires D2220sb storage array.

Table 4-2 Normal Capacity Configurations

Hardware	Minimum RAM Configuration (per site)
4-server HP G8 C-Class configuration	2x128GB blades 2x192GB blades 2xStorage array *
4-server HP G9 C-Class configuration	2x128GB blades 2x256GB blades 2xStorage array *
2 Oracle X5-2 or NX5-2 RMS servers per site	2x256GB RMS, each with 4x SSDs

*HP G8 supports either D2200sb or D2220sb storage array. HP G9 requires D2220sb storage array.

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 (OHC): http://docs.oracle.com/cd/E57832_01/index.htm.

[Firmware Component List](#) shows the firmware components used in this release.

Table 5-1 Supported Firmware Components

Hardware	Release	Description
HP Firmware FUP	2.2.9 (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

* UDR Release 12.10 can be used in conjunction with any supported firmware shown in the *HP Solutions Firmware Upgrade Pack (FUP)*, *Software Centric Release Notes 2.2.9* located at: http://docs.oracle.com/cd/E52577_01/docs.60/E64917-03.pdf. This document specifies the minimum required firmware level. In many cases, it is not necessary to upgrade the firmware to the latest level.

User Data Repository and Policy Management Compatibility and Software Upgrade Paths

This chapter provides an Oracle Communications Policy Management compatibility matrix and a table of upgrade paths to Oracle Communications User Data Repository Release 12.10.

Oracle Communications User Data Repository and Oracle Communications Policy Management Compatibility Matrix

[Table 6-1](#) shows which releases of Oracle Communications Policy Management are compatible with each release of UDR.

Table 6-1 Oracle Communications User Data Repository and Oracle Communications Policy Management Compatibility Matrix

UDR Software Release	Compatible Policy Management Software Release
10.0	10.5, 11.5, 12.1
10.2	11.5, 12.1
12.1	11.5, 12.1*, 12.2
12.2	12.1, 12.2
12.4	12.1, 12.2, 12.3,
12.10	12.1, 12.2, 12.3, 12.4, 12.5

* If UDR enterprise pools are to be deployed, then the Policy Management software must be on at least release 12.1.2. The upgrade order to get to a configuration that includes Policy Management 12.1.2 or higher along with UDR 12.1 or higher must be constructed so that a supported release combination is supported between the two. For example, if the customer is initially on UDR 10.0 and Policy Management 10.5 and needs to deploy enterprise pools, then the Policy Management must first be upgraded from 10.5 to 12.1.2, after which UDR can be upgraded from 10.0 to 12.1.

Supported Upgrade Paths

Release 12.10 has been tested for upgrade from the prior release. Verify that your currently installed release is listed on the valid upgrade path. Upgrades, including rollback capability, occur while User Data Repository remains in service and provisioning fully active.

Table 1 Upgrade Path

From	To
10.0.1	10.2
10.0.1	12.1
10.2.0	12.1
10.2.0	12.2
12.1.0	12.2, 12.4
12.2.0	12.4
12.4	12.10

Resolved and Known Bugs

This chapter lists the resolved and known bugs for Oracle Communications User Data Repository 12.10.0.0.0.

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:
 - Product inoperability (total or partial outage)
 - A reduction in the traffic/data handling capability, such that expected loads cannot be handled
 - Any loss of emergency capability (for example, emergency 911 calls)
 - 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:
 - Reduction in the product's capacity (but still able to handle the expected load)
 - Any loss of administrative or maintenance visibility of the product and/or diagnostic capability
 - Repeated degradation of an essential component or function
 - 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 Bugs

Release 12.10 Resolved Bugs lists bugs that are resolved in the following builds:

Table 2 Customer Resolved Bugs

Severity	Bug Number	Title
3	31864880	Update of PoolProfile with content having no PoolID field is getting deleted
3	31855726	While fetching field value of pool, response comes inclosed with subscriber tag
3	31794637	UDR - Deleting/Edit a Schedule KPI Data Export Issue
2	31794522	PNR generation failure
4	31653143	Task Scheduling Issue OCUDR 12.4
3	25602555	Process Status Element (Memory Used(%) and Memory Used(Total)) not showing
3	26951777	Export File Download Links are broken for KPIs

Customer-Known Bugs

Release 12.10 Customer-Known Bugs lists known bugs in this release.

Table 3 Customer-Known Bugs

Severity	Bug Number	Title	Customer Impact/ Workaround
3	25880854	Prov. Call Failures with SOAP Auth feature enabled when traffic >=70% HWT load	When SOAP authentication is enabled and traffic is run with higher TPS and with CPU load increasing 70%, some SOAP calls are failed.
3	24795994	Multiple processes are restarted generating abterm due to switchover.	No system impact. Occurs randomly and recovers automatically
3	23755367	Observed apwSoapServer and Imysqld process restarts on MPs after reboot	No system impact. Occurs randomly and recovers automatically
3	25378665	Alarm is not generated when the HIDS baseline is deleted	No system impact.
3	25651015	Observed that randomly httpd core file generated while deleting DNS configuration	No system impact. Occurs randomly and recovers automatically.

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 Access Support can assist you with My Oracle Support registration.

Call the Customer Access 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 will be 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 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 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.