

Oracle® Communications

Cloud Native Release Notice



Release 2.0.3
F35711-01
December 2019

ORACLE®

Oracle Communications Cloud Native Release Notice, Release 2.0.3

F35711-01

Copyright © 2019, 2020, Oracle and/or its affiliates.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software" or "commercial computer software documentation" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

1	Introduction	
<hr/>		
2	Feature Descriptions	
<hr/>		
	Unified Data Repository (UDR)	2-1
3	Media and Documentation	
<hr/>		
	Media Pack	3-1
	Load Line Up for Cloud Native Core	3-1
	Documentation Pack	3-2
4	Resolved and Known Bugs	
<hr/>		
	Severity Definitions	4-1
	Resolved Bug List	4-2
	Customer Known Bug List	4-2

List of Tables

3-1	Media Pack Contents for Cloud Native Release 2.0.3	3-1
3-2	Load Line Up for Cloud Native Core	3-1
4-1	Cloud Native Release 2.0.3, UDR Resolved Bugs	4-2
4-2	Cloud Native Release 2.0.3, UDR Customer Known Bugs	4-2

1

Introduction

This Release Notice includes feature descriptions, and media and documentation pack contents. This document includes listings for both the resolved and known bugs for this release. Directions for accessing key Oracles sites and services are explained in [MOS](#). Release Notices are included in the documentation pack made available with every software release.

2

Feature Descriptions

This chapter provides a summary of each feature released in Cloud Native features release 2.0.3.

Unified Data Repository (UDR)

UDR has been updated with the following enhancements:

- Support for Unified Data Management (UDM) Model
- Provisioning support for UDM data

For more information, refer to Unified Data Repository User's Guide.

3

Media and Documentation

Oracle Communications software is available for electronic download on the Oracle Software Delivery Cloud (OSDC). Documentation is delivered electronically on the Oracle Help Center (OHC). Both the software Media Pack and Documentation Pack are listed in this chapter.

Media Pack

All components available for download from the Oracle Software Delivery Cloud (<https://edelivery.oracle.com/>) are in [Table 3-1](#).

 **Note:**

This list is accurate at the time of release but is subject to change. See the Oracle software delivery website for the latest information.

Table 3-1 Media Pack Contents for Cloud Native Release 2.0.3

Part Number	Description
V984451-01	Oracle Communications 5G Unified Data Repository (UDR) 1.3.0.0.0

Load Line Up for Cloud Native Core

Cloud Native Core Release 2.0.3

Cloud Native Core Release 2.0.3 contains the following components:

Table 3-2 Load Line Up for Cloud Native Core

Components	Versions
Binding Support Function	1.2.0
Cloud Native Environment	1.2.0
Cloud Native Diameter Routing Agent	1.0.0
Inter-Working Function	1.0.0
Network Exposure Function	1.0.0
Network Repository Function	1.2.0
Network Slice Selection Function	1.0.0
Security Edge Proxy Protection	1.1.0
Service Communication Proxy	1.2.1
Unified Data Repository	1.3.0

Documentation Pack

All documents are available for download from the [Oracle Help Center \(OHC\)](#) site.

4

Resolved and Known Bugs

This chapter lists the resolved and known bugs for Cloud Native Core release 2.0.3.

These 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.

- 1. 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:
 - Product inoperability (total or partial outage),
 - A reduction in the capacity capability, that is, traffic/data handling capability, such that expected loads cannot be handled,
 - Any loss of emergency capability (for example, emergency 911 calls), or
 - Safety hazard or risk of security breach.
- 2. 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 less immediate or impending effect on product performance, customers, and the customer's operation and revenue such as:
 - Reduction in 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, or
 - Degradation of the product's ability to provide any required notification of malfunction.

3. **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 of 1-Critical, 2-Major, or 3-Minor.

Resolved Bug List

Cloud Native Release 2.0.3 Resolved Bugs table lists bugs resolved in this release.

Table 4-1 Cloud Native Release 2.0.3, UDR Resolved Bugs

Bug Number	Severity	Found in Release	Title
OCUDR-411	Enhancement	N/A	Notification issue if Subscription is made with "supportedFeatures"
OCUDR-412	Enhancement	N/A	Delete Subscriber request not deleting the subscriber PCF Data
OCUDR-413	Enhancement	N/A	Policy Data Schema change with Invalid URI throwing Internal Server Error from UDR
OCUDR-434	Enhancement	N/A	POST request to create subscriber with all PCF entities fails with Internal Server Error

Customer Known Bug List

Cloud Native Release 2.0.3, UDR Customer Known Bugs table lists the known bugs and associated Customer Impact Statements. This information is provided for information purposes only.

Table 4-2 Cloud Native Release 2.0.3, UDR Customer Known Bugs

Bug Number	Severity	Found in Release	Title	Customer Impact
OCUDR-445	Enhancement	N/A	UDR 5G Error Unsolicited response received on idle HTTP channel starting with "0\r\n\r\n"; err=	Workaround: Remove the line "transfer-encoding: chunked" in the targets DELETE.txt file. A second workaround is to use the Oracle proxy servers that then target the UDR and the error is not seen.

Table 4-2 (Cont.) Cloud Native Release 2.0.3, UDR Customer Known Bugs

Bug Number	Severity	Found in Release	Title	Customer Impact
OCUDR-455	Enhancement	N/A	Notify Service delays notifications to PCF during traffic run	Notify service not able to handle bulk notification traffic towards a single notification URI since it uses single connection to push the traffic. Because of that notifications are not sent to PCF immediately after the entity are modified in UDR.
OCUDR-482	Enhancement	N/A	SM Policy Data GET query field parameter SNSSAI format change	SM Data GET query from PCF with snssai query parameter contains json object instead of string. As a result, an invalid query parameters error is thrown in UDR. Workaround: UDR should process the GET query with json format of snssai query string.
OCUDR-483	Enhancement	N/A	Notifications payload format change for PCF notifications	PCF does not process the empty string in the Notification payload for Entity deletion use case in UDR. Workaround: <ul style="list-style-type: none"> UDR needs to send null json value to PCF for any entity deletion scenario. For Delete Subscriber use case UDR needs to send all defined entities for PCF in 29.519 F30 spec with null value.
OCUDR-446	Enhancement	N/A	Content-type should be changed when UDR sends error response.	UDR returns error response with content-type as application/json. Workaround: As per spec 29505-v15.4.0, error response should have content-type "application/problem+json" for the resource operations.

Table 4-2 (Cont.) Cloud Native Release 2.0.3, UDR Customer Known Bugs

Bug Number	Severity	Found in Release	Title	Customer Impact
OCUDR-418	Enhancement	N/A	UDR is not validating the conditional attributes for UDM APIs	UDR does not validate if the conditional attributes are present in the data blob based on their dependencies.