

**Oracle® Communications  
Diameter Signaling Router 7.0.1.1.1**

**Release Notice**

Release 7.0.1.1.1

**E64757-05**

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## Table of Contents

INTRODUCTION.....	4
Upgrade Paths .....	4
Load Lineup.....	4
BUG Severity Definitions.....	4
Media Pack.....	5
RESOLVED BUGS.....	6
CUSTOMER KNOWN BUGS.....	7
ORACLE REFERENCES AND SERVICES .....	10
My Oracle Support (MOS).....	10
Emergency Response .....	10
Customer Training.....	10
APPENDIX A: FIRMWARE COMPONENTS .....	11

## Introduction

This release notice lists the Resolved BUGs for Oracle Communications Diameter Signaling Router 7.0.1.0.0-70.28.0 and IDIH 7.0.1.0.0-70.28.2.

Release Notices are distributed to customers with a new software release at the time of Software Availability. They are updated for each Maintenance Release.

## Upgrade Paths

DSR 7.0.1 supports the following upgrade paths for c-Class blades and Rack Mount servers

	From	To
<b>DSR</b>	5.0.1* (See note below)	7.0.1
<b>DSR</b>	6.0.2, 7.0.0	7.0.1

### Note:

- **\* PDRA Warning:** PDRA upgrade from 5.x to 7.0.x is NOT supported. All 5.x PDRA Systems must upgrade to 6.x, and then upgrade to 7.0.x. Failure to comply will result in the failure of all Session SBR Server Groups. This will cause nearly 100% call failure.
- Releases 5.0.x, 5.1.x, 6.0.x are supported but were not validated.
- 7.0.1 is supported as a new/fresh installation.

## Load Lineup

This version of Diameter Signaling Router 7.0.1.1.1 includes:

Application Lineup 7.0.0 GA	Application Lineup 7.0.1.1.1 GA
<ul style="list-style-type: none"> <li>• DSR 7.0.0.0.0-70.22.0</li> <li>• IDIH 7.0.0.0.0-70.22.0</li> <li>• SDS 5.0.1-50.23.0</li> </ul>	<ul style="list-style-type: none"> <li>7.0.1.0.0-70.28.0</li> <li>7.0.1.0.0-70.28.2</li> <li>5.0.1-50.23.0</li> </ul>
Platform Lineup	
<ul style="list-style-type: none"> <li>• TPD 6.5.2-82.35.0*</li> <li>• TPD 6.7.0.0.1-84.18.0</li> <li>• TPD 6.7.0.0.1-84.20.0</li> <li>• TVOE 2.7.0.0.0-84.20.0</li> <li>• PMAC 5.7.0.0.2-57.18.0</li> <li>• Comcol 6.3-p274</li> <li>• Appworks 5.7.0-57.39.0</li> <li>• Exgstack 7.0.0-70.18.0</li> <li>• Firmware 2.2.7</li> </ul>	<ul style="list-style-type: none"> <li>6.5.2-82.35.0* (SDS Baseline)</li> <li>6.7.1.0.0-84.26.0** (DSR/IDIH Baseline; Oracle Linux 6.6)</li> <li>6.7.1.0.0-84.24.0 (PMAC TPD version)</li> <li>2.7.1.0.0-84.28.0</li> <li>5.7.1.0.0-57.21.0</li> <li>6.3-p310</li> <li>5.7.1-58.9.0</li> <li>7.0.0-70.24.0</li> <li>FUP 2.2.8 (minimum)</li> </ul>

**\*Note:** As part of successful installation of the SDS application, the TPD version is upgraded to 6.5.2-82.36.0.

**\*\*Note:** As part of successful installation of the DSR/IDIH 7.0.1 GA version, the TPD version is upgraded to 6.7.1.0.0-84.28.0.

## BUG Severity Definitions

The BUG sections in this document refer to BUG severity levels. Definitions of these levels can be found in the following publication:

*TL 9000 Quality Management System Measurement Handbook*

## Media Pack

Components available for download from the Oracle Software Delivery Cloud (<https://edelivery.oracle.com/>) are listed in Table RN-1 Media Pack Contents.

**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.

**Table RN-1. Media Pack Contents, Oracle Communications Diameter Signaling Router (7.0.1.1.1) v1**

Part Number	Description
V77041-01	Oracle Communications Diameter Signaling Router 7.0.1.0.0-70.28.0
V77935-01	Oracle Communications Diameter Intelligence Hub Applications 7.0.1.0.0-70.28.2
V77934-01	Oracle Communications Diameter Intelligence Hub Database 7.0.1.0.0-70.28.2
V77936-01	Oracle Communications Diameter Intelligence Hub Mediation 7.0.1.0.0-70.28.2
V77042-01	Oracle Communications Diameter Signaling Router MIBS 7.0.1.0.0-70.28.0
V73667-01	Oracle Communications Diameter Signaling Router, Full Address Resolution 5.0.1-50.23.0
V77035-01	Oracle Communications Tekelec Platform Distribution 6.7.1.0.0-84.26.0 (ISO and USB images)
V77947-01	Oracle Communications Tekelec Platform Management and Configuration 5.7.1.0.0-57.21.0
V77036-01	Oracle Communications Tekelec Virtual Operating Environment 2.7.1.0.0-84.28.0 (ISO and USB images)
V45698-01	Tekelec Platform Distribution 6.5.2 (Includes ISO and USB Image)
V77043-01	Oracle Communications Diameter Signaling Router License Doc 7.0.1
V77034-01	Oracle Communications Tekelec Platform Distribution License Document 6.7.1
V77364-01	Oracle Communications Diameter Signaling Router 7.0.1.0.0_70.28.0 OVA
V77965-01	Oracle Communications Diameter Intelligence Hub Mediation 7.0.1.0.0_70.28.2 OVA
V77962-01	Oracle Communications Diameter Intelligence Hub Database 7.0.1.0.0_70.28.2 OVA
V77963-01	Oracle Communications Diameter Intelligence Hub Applications 7.0.1.0.0_70.28.2 OVA
V77380-01	Oracle Communications Diameter Signaling Router, Full Address Resolution 5.0.1-50.23.0 OVA

## Resolved BUGs

Table RN-2. Diameter Signaling Router 7.0.1.1.1 Resolved BUGs

BUG #	SR	Severity	Title
21415804		Enhancement	IDIH Support On HP Gen 9
20181725		Enhancement	Cloud Deployable DSR
19977634		Enhancement	HP Gen9 Server Support
19977859		Enhancement	Oracle X5-2 Server Support
21375111		2-Major	Application guest upgrade fails when diameter directory is created on the guest
21356351		3-Minor	SOAP requests from dsroam process generating excessive/redundant security logs
21196261	3-10454014901	2-Major	Upgrade from 5.1 to 6.0 failed in mediation upgrade script
21183193		3-Minor	iDIH 6.0.2:ServiceMix password is not accepted by mediation server after upgrade
21162723		2-Major	DSR does not create HaSubscribers in same thread that invokes AlarmClerk::doPerf
21128042		3-Minor	DSR 7.0 to 5.0 backout testing Mediation templates and rules disappear
21114110		3-Minor	FQDN encoding feature merge issue from DSR 6.0 to DSR 7.0
21078143		2-Major	[Cloud] ImpParser main thread got stuck in lock on initialization
21056528		3-Minor	DCL should encode the FQDN in Peer to Peer Messages as configured in DpiOption
21050469		1-Critical	When upgrading to DSR 7.0, Mediation GUI and template / rule administration fails
21035771		3-Minor	IPFE split brain issue with SCTP multihoming
20990710		2-Major	Last DA-MP notif sent is OOS even though the server is actually up and running.
20957907		3-Minor	IPv6 TSA addresses are currently case / leading 0 sensitive
20859027		3-Minor	Integrate with new COMCOL Process Control changes
20827977		3-Minor	IPFE Connections redistributed when DA-MP Leader was Rebooted
20787676		3-Minor	DCL: IMR convergence time is too small
20729163		3-Minor	DCL: EMR abatement timer not working correctly
20654083		3-Minor	DCL: IMR settings not applied to fixed connections on startup
20548952		3-Minor	[Cloud] psbr.MemPerTotal symmetric should use MemTotal instead of ProcMemTotal
20539431		3-Minor	[PerfCap7.0] Unexpected SCTP Connection Impaired alarms on non-MH connections
20512692		3-Minor	MAPIWF EIR fails to interop with Eagle
20488985		3-Minor	MAPIWF non-compliant with 3GPP TS 29.002 in regards to CheckIrei_Arg processing

## Customer Known BUGs

Table RN-3. DSR 7.0.1.1.1 Customer Known BUGs

BUG #	SR	Severity	Title	Customer Impact / Workaround
21876176		2-Major	IPFE has no available targets when only secondary signaling network is available	Customer impact: customer needs to switch all connections to alternative geo-redundant DSR. A second option is: customer has to replace failed switch.
21155724		2-Major	Site provisioning can't be enabled after backout from 7.0.1	Workaround: See below.
<p>Workaround for 21155724:</p> <p>At the SO VIP command line, enter the following to display contents of the prov_ctlBsource table:</p> <pre>igt -p prov_ctlBsource</pre> <p>In a properly functioning system, user receives output similar to the following:</p> <pre>prov_status Enable</pre> <p>where the second line will be Enable or Disable depending on the provisioning state of the SO. When the bug is present, the "Enable" or "Disable" text will not be there. If this is the case, workaround is to edit the prov_ctlBsource table using the following command:</p> <pre>ivi prov_ctlBsource</pre> <p>and insert a line with text "Enable" as shown below:</p> <pre>#!/bin/sh iload -ha -xU -fprov_status prov_ctlBsource \ &lt;&lt;'!!!!'</pre> <pre>Enable !!!!</pre> <p>Save and exit and when asked to apply changes hit 'y'. SO provisioning should now be enabled and working normally.</p>				
22112091		3-Minor	Capacity Configuration Set has incorrect description for abatement time	Customer Impact: No functional impact
21937332		3-Minor	SBR Memory Utilization alarm generated in non-PCA system	
21933076		3-Minor	Cannot modify the Appl Id or CC from a specific entry to a wildcard entry in Msg	Customer Impact: No functional impact Workaround: Delete entire record and then re-add with ζ*ζ entries
21891084		3-Minor	Peers showing a status of ζunavailableζ and event ID 19901 after bulk import	Customer impact: Do not allow change of 'ipType' through import. If this import is done, perform another import with the old 'ipType'.
21530823		3-Minor	IDIH-oracle OVA storage does not match CGBU_ENG_24_2451	

DSR 7.0.1.1.1 Release Notice

BUG #	SR	Severity	Title	Customer Impact / Workaround
21493739		3-Minor	NOVIP GUI displayed the standby NO after 6.0 to 7.0 Upgrade	Customer Impact: GUI issue, no impact to traffic. User will not be able to do provisioning as the GUI VIP will be pointing to the Standby server. Workaround is available. Contact My Oracle Support (MOS) for assistance if needed.
21459134		3-Minor	verifyBackout script returns with error	Customer Impact: After user performs backout to DSR 7.0, verifyBackout script will not work. Workaround: User can check the upgrade.log file to see if there are any "ERROR" tags logged.
21383652		3-Minor	Getting alarm SBR failed to free shared memory after a PCA function is disabled	Customer Impact: If the PDRA or OCDRA function is disabled, SBR servers will not automatically free memory triggering alarm 22736. This will only impact SBR servers. Workaround: If both functions are disabled, all SBR servers at the same time in each SBR server group will need to be rebooted and the alarm manually cleared. If only one function is disabled and the other is enabled, user will need to call Oracle for assistance.
21378512		3-Minor	IOT Sh FABR failure	Customer Impact: Customer must configure Primary routing entity as IMSI to decode IMSI address from SIP URI (without '+', example: "sip:123456789012345@ims.mnc123.mcc456.3gppnetwork.org"). FABR will not be able to decode IMSI from SIP URI (without '+', example : "sip:123456789012345@ims.mnc123.mcc456.3gppnetwork.org") if primary routing entity configured as "MSISDN" and second routing entity as "IMSI". Workaround: Configure Primary routing entity as IMSI to decode IMSI address from SIP URI (without '+', example: "sip:123456789012345@ims.mnc123.mcc456.3gppnetwork.org").
21203033		3-Minor	psbr.MemPerTotal being pegged on all DA-MPs / NOs / SOs	
21130374		3-Minor	APDE Keyexchange From NOAM Exchanges Keys From NOAM and SOAM	Customer Impact: Both NOAM and SOAM keys are exchanged with the Remote Server when using the "SSH Key Exchange" button. Note this does not break any functionality. The only issue here is that the SOAM keys are also exchanged which may not be desired. Workaround: There are two possible workarounds; 1) Keys can be manually exchanged between NOAM and Remote Server. 2) Remove the key from the authorized_keys file on the Remote Server for the SOAM after the keys has been exchanged using the "SSH Key Exchange" button.



**DSR 7.0.1.1.1 Release Notice**

<b>BUG #</b>	<b>SR</b>	<b>Severity</b>	<b>Title</b>	<b>Customer Impact / Workaround</b>
20888974		3-Minor	DSR 7.0.1 SO VIP GUI: KPI Hover on Tabs - Text Undefined	Customer Impact: No functional impact
20805853		3-Minor	Update Help Text on Remote Servers-Data Export-Keys Report Page	Customer Impact: No functional impact
20800434		3-Minor	Clarify New 'Test Transfer' Button on Administration-Remote Servers-Data Export	Customer Impact: No functional impact. The documentation needs to be updated to state the functionality provided by test transfer button.
20787403		3-Minor	Corrupt Resource Domain names in PCA tables RdName2ComAgentResl d and PsbrSubRes	Customer Impact: No impact to signaling. This DSR 7.0 only issue must be cleared prior to attempting DSR 7.0 to DSR 7.1 upgrade. Workaround: DSR upgrade document was updated to ensure the tables are in sync(no corruption) before upgrade starts.
20772897		3-Minor	PCA - Resource Domain not cleaned when Place Associaions deleted	Customer Impact: No functional impact
20697000		3-Minor	Incorrect Navigation being displayed	Customer Impact: No functional impact
20696866		3-Minor	Duplicate Parent Topic links in Online Help	Customer Impact: No functional impact
20696324		3-Minor	[STP7.0] GLA not activated on DRNOs	Customer Impact: GLA feature configuration can not be done on the DR NOAM if the primary DSR NOAMs become unavailable. Workaround: GLA can be activated on the DR NOAMs procedurally by running the feature activation script on the DR NOAM servers.
20670614		3-Minor	Fresh Install - Feature activation, feature not always visible in LHM sites 2/3	Customer Impact: No impact to customer. Workaround has been documented in the installation guide.

Table RN-3 represents Customer Known Bugs for DSR 7.0.1 after the DSR 7.0 GA Release Notice was published. Please see *DSR 7.0 Release Notice* on [OHC](#) (Oracle Help Center) for complete Customer Known Bugs in DSR 7.0.

## Oracle References and Services

### 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 2 for Non-technical issue

You will be connected to a live agent who can assist you with MOS registration and provide Support Identifiers. Simply mention you are an Oracle Customer new to MOS.

MOS is available 24 hours a day, 7 days a week, 365 days a year.

**Note:** Please consult MOS for additional clarification regarding Key Product Indicators (KPI) when deploying DSR on a hypervisor.

### Emergency Response

In the event of a critical service situation, emergency response is offered by the My Oracle Support 24 hours a day, 7 days a week. 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 the My Oracle Support Center.

### Customer Training

Oracle offers a variety of technical training courses designed to provide the knowledge and experience required to properly provision, administer, operate, and maintain Oracle products. To enroll in any of the courses or for schedule information, contact [Oracle University](#).

## Appendix A: Firmware Components

The *Oracle Communications HP Solutions Firmware Upgrade Pack Software Centric Release Notes Release 2.2.8* lists the firmware versions approved for this HP Solutions Firmware Upgrade Pack release to assist customers with upgrading their HP hardware. Also, additional instructions and guidance on the firmware upgrades has been provided where possible.

The Release Notes are available on Oracle Help Center (OHC) at [http://docs.oracle.com/cd/E57059\\_01/docs.67/E59723.pdf](http://docs.oracle.com/cd/E57059_01/docs.67/E59723.pdf).