

Oracle® Communications
Diameter Signaling Router 5.0.1
Release Notice
Release 5.0.1
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ORACLE®

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Introduction

This release notice lists the Resolved and Known PRs for Oracle Communications Diameter Signaling Router 5.0.1-50.26.0.

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

Upgrade Paths

5.0.1 supports the following upgrade paths for C-Class blades and Rack Mount servers.

	From	To
DSR	4.0.0, 4.0.1, 4.0.2, 4.0.3, 4.1.0, 5.0.0GA, 5.0.1-50.25.1	5.0.1-50.26.0

NOTE:

- Any upgrade other than listed above is not recommended or supported.
- 5.0.1 is supported as a new/fresh installation.

Load Lineup

This version of Diameter Signaling Router 5.0.1 includes:

Application Lineup 5.0 GA	Application Lineup 5.0.1
• DSR 5.0.0-50.21.0	5.0.1-50.26.0
• DIH 1.2.0-16.5.0	1.2.0-16.5.0
• SDS 5.0.0-50.19.0	5.0.1-50.23.0
Platform Lineup	
• TPD 6.5.1-82.28.0	6.5.2-82.35.0
• TVOE 2.5.1-82.28.0	2.5.2-82.37.0
• PMAC 5.5.0-55.18.0	5.5.2-55.20.0
• Comcol 6.2p215	6.2-p221
• Appworks 5.5.0-55.31.3	5.5.0-55.31.9
• Exgstack 6.5.0-65.25.0	6.5.0-65.30.0
• Firmware 2.2.5	2.2.6

Note: Upon successful completion of the upgrade, the TPD version is 6.5.2-82.36.0. The BASH RPM from TPD version 6.5.2-82.36.0 is replaced with the version containing a fix for the Shellshock vulnerability.

BugDB Severity Definitions

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

TL 9000 Quality Management System Measurement Handbook

Media Pack

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

Name	Part Number
Oracle Communications Diameter Signaling Router 5.0.1-50.26.0	V73665-01
Oracle Communications Diameter Signaling Router, Full Address Resolution 5.0.1-50.23.0	V73667-01
Oracle Communications Diameter Intelligence Hub 1.2.0 - Oracle 11g	V43379-01
Oracle Communications Diameter Intelligence Hub 1.2.0 - Weblogic	V43290-01
Oracle Communications Diameter Intelligence Hub 1.2.0 Tekelec Platform Development 5.1.1-3 with Oracle 11g Add-ons	V43400-01
Oracle Communications Diameter Intelligence Hub 1.2.0-16.5.0 - Detailed Records	V46945-01
Oracle Communications Diameter Intelligence Hub 1.2.0-16.5.0 - Integrated xDR Platform	V46942-01
Oracle Communications Diameter Intelligence Hub 1.2.0-16.5.0 - Message Feeders	V46943-01
Oracle Communications Diameter Intelligence Hub 1.2.0-16.5.0 - Network Software Platform	V46944-01
Tekelec Platform Distribution 6.5.2 (Includes ISO and USB Image) (Part 1 of 2)	V45698-01 Part 1 of 2
Tekelec Platform Distribution 6.5.2 (Includes ISO and USB Image) (Part 2 of 2)	V45698-01 Part 2 of 2
Oracle Communications Tekelec Virtual Operating Environment 2.5.2-82.37.0 (ISO and USB images) (Part 1 of 2)	V50880-01 Part 1 of 2
Oracle Communications Tekelec Virtual Operating Environment 2.5.2-82.37.0 (ISO and USB images) (Part 2 of 2)	V50880-01 Part 2 of 2
Oracle Communications Tekelec Platform Management and Configuration 5.5.2-55.20.0	V50881-01
Oracle Communications Diameter Signaling Router MIBS 5.0.1-50.26.0	V73666-01
Oracle Communications Diameter Signaling Router License Doc 5.0.1	V56029-01

Locate Product Documentation on the Customer Support Site

Oracle customer documentation is available on the web at the Oracle Technology Network (OTN) 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 www.adobe.com.

Procedure

1. Log into the OTN site at <http://docs.oracle.com>
2. Under Applications, click the link for **Communications**. The **Oracle Communications Documentation** window opens with Tekelec shown near the top.
3. Click **Oracle Communications Documentation for Tekelec Products**.
4. Navigate to your Product and then the Release Number, and click the **View** link (the **Download** link will retrieve the entire documentation set).
5. To download a file to your location, right-click the PDF link and select **Save Target As**.

Resolved Bugs/PRs

Table RN-1, Table RN-2. NOTE: Table RN-1 Diameter Signaling Router 5.0.1 Resolved Bugs/PRs

BUG/PR #	CSR#	Severity	Title
235175		2-Major	Sessions/bindings lost during recovery of the Primary site enclosure failure
235711		2-Major	MP is down and control IP is lost on one of the PDRA setup.
237798		2-Major	Varbinds in SNMP Notification message are not in Received in the Correct Order
237670		2-Major	Comagents Fails When Disk Space is Exhausted
237564		2-Major	Topology hiding does not work correctly on AAA with non-2xxx result code.
237720		2-Major	PSBR in incorrect HA state after switchover caused by inetrep abterm
236659	1029640	2-Major	DSR4.1.0: PDRA multi-active cluster shows two DC servers, two DA-MP Leaders. Under review by engineering team to meet release criteria
232305	1018172	2-Major	cmsoapa process hanging on NOAM server preventing GUI from executing configuration tasks
238715		2-Major	New Varbinds added to SNMP Notifications Are not Backwards Compatible
238716		2-Major	MIB Does not Include Notifications for all Defined Events
236967		2-Major	PDRA: Memory leak on Active Binding Psbr server on high traffic
231593	1015634	2-Major	DIH not reporting some MSISDNs properly in the XDRs
237084		3-Minor	Configured Smoothing factor (Alpha) is not used to calculate smoothed rate for EtgAggregatedMsgRate
238351		3-Minor	Incorporate recommendation from Egress Throttling tests: short term improvements
239527		3-Minor	Support for HP Gen8 V2 for DSR, SDS, DIH
19975433		3-Minor	HA sending OOS notifications to replication so replication links not established

Customer Known PRs

Table RN-2.Table RN-3. DSR 5.0.1 Customer Known PRs

PR #	CSR#	Severity	Title	Customer Impact

Oracle Tekelec 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 a Tekelec Customer new to MOS.

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 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

IMPORTANT: For the versions indicated below here are guidelines for reading the table:

- **Minimum Supported FW Version** - If a component has a firmware version older than this it needs to be upgraded.
- **Current Approved FW Version** - This is the version of firmware contained in this HP FUP release.
- **Maximum Supported FW Version** - If a component has a firmware version newer than this it needs to be downgraded.

HP ProLiant Server Firmware Components

The table below lists the main firmware components relating to Oracle supported HP ProLiant Rack Mount and Blade servers which are updated automatically, if applicable, via the **HP Service Pack for ProLiant USB/ISO**.

Note: System ROM Versions are often interchangeably written with either a "yyyy.mm.dd" format or a "mm/dd/yyyy" format. For example, "05/02/2011" is equivalent to "2011.05.02".

Component	Minimum Supported FW Version	Current Approved FW Version ¹	Maximum Approved FW Version
System ROM for DL360 G6	2013.07.02	2013.07.02	no maximum
System ROM for DL360 G7	2013.07.02	2013.07.02	no maximum
System ROM for DL360p Gen8 w/ TPD builds 82.29 and lower	2013.09.08	2013.09.08	2013.09.18
System ROM for DL360p Gen8 w/ TPD builds 82.30 and above	2013.09.08	2013.12.20	no maximum
System ROM for DL380 G6	2013.07.02	2013.07.02	no maximum
System ROM for DL380p Gen8 w/ TPD builds 82.29 and lower	2013.09.08	2013.09.08	2013.09.18
System ROM for DL380p Gen8 w/ TPD builds 82.30 and above	2013.09.08	2013.12.20	no maximum
System ROM for BL460c G6	2013.07.02	2013.10.01	no maximum
System ROM for BL460c Gen8 w/ TPD builds 82.29 and lower	2013.09.08	2013.09.08	2013.09.18

¹ These are the firmware versions contained in this release.

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Component	Minimum Supported FW Version	Current Approved FW Version ¹	Maximum Approved FW Version
System ROM for BL460c Gen8 w/ TPD builds 82.30 and above	2013.09.08	2013.12.20	no maximum
System ROM for BL620c G7	2013.07.01	2013.07.01	no maximum
Power Management Controller for BL460c G6 Servers	3.4	not included	no maximum
Power Management Controller for DL360 G6 and DL380 G6 Servers	2.9	not included	no maximum
Power Management Controller for DL360 G7 and BL460c G7 Servers	1.6	not included	no maximum
Power Management Controller for BL620c G7 Servers	1.7	not included	no maximum
Power Management Controller for all Gen8 Servers	3.0	3.3	no maximum
HP NC532m Broadcom Dual Port 10GbE	6.2.25	6.2.27	no maximum
HP NC532i Broadcom Dual Port 10GbE	6.2.25	6.2.27	no maximum
HP NC382i Broadcom Dual Port 1GbE	5.2.3	5.2.3	no maximum
HP NC365T Intel Quad Port 1GbE	no minimum	not included	no maximum
HP NC364T Intel Quad Port 1GbE	no minimum	not included	no maximum
HP NC364m Intel Quad Port 1GbE	no minimum	not included	no maximum
HP 366M Intel Quad Port 1GbE	1.349.0	1.464.0	no maximum
HP 331FLR Broadcom 4-port 1Gb	1.37	1.37	no maximum
HP 331T Broadcom 4-port 1Gb	1.37	1.37	no maximum
HP 530FLB Broadcom 2-port 10Gb	7.4.22	7.8.79	no maximum
HP 530M Broadcom 2-port 10Gb	7.4.22	7.8.79	no maximum
HP NC553i Emulex 2-port 10Gb	4.6.247.5	4.9.311.20	no maximum
Smart Array P410i/P411 Controller for DL/BL G6 Servers	6.40	6.40	no maximum
Smart Array P220i/P420i/P420/P421	5.22	5.22	no maximum

Component	Minimum Supported FW Version	Current Approved FW Version ¹	Maximum Approved FW Version
Direct Attached D2700	0070(B)	0147 (not included)	no maximum
D2200sb Storage Blade (internal P410i)	6.40	6.40	no maximum
D2220sb Storage Blade (internal P420i)	5.22	5.22	no maximum
QLogic FC Host Adapter for BL460c	2010.05.19	2014.02.01	no maximum
iLO2 for all G5/G6 DL/ML/BL Servers w/ TPD 4.x and greater	2.25	2.25	no maximum
iLO3 for all G7 DL/ML/BL Servers	1.70	1.70	no maximum
iLO4 for all Gen8 DL/BL Servers	1.40	1.40	no maximum
SAS Storage Disks (Multiple Part Numbers included)	Various	Various	no maximum

HP Misc Firmware Components

The table below lists various HP and non-HP firmware components related to the HP Solutions that are updated manually from the HP Misc Firmware USB/ISO.

Component	Minimum Supported FW Version	Current Approved FW Version	Maximum Supported FW Version	Physical File Name
OA (Use with PM&C version 5.7)	4.21	4.21	4.21	hpoa421.bin
OA (Use with PM&C versions 4.x to 5.5)	3.71	3.71	3.71	hpoa371.bin
OA (Use with PM&C versions 2.x to 3.x)	3.31	3.31	3.31	hpoa331.bin
1Gb Ethernet Pass-Thru Module	3.0.3	3.0.3	no maximum	No file. This is contained in the OA firmware.
MSA2012fc Disk Controller	J200P50-02	J201R09	no maximum	neptunesw-J201R09-01.bin
P2000 G3 MSA Disk Controller	TS201P004	TS201P007	no maximum	TS201P007.bin

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Component	Minimum Supported FW Version	Current Approved FW Version	Maximum Supported FW Version	Physical File Name
P2000 MSA USB Driver (Windows 32bit)	1.0.0.5	1.0.2.8	no maximum	cp014957.exe
P2000 MSA USB Driver (Windows 64bit)	1.0.2.8	1.0.2.8	no maximum	cp014959.exe
Cascaded D2700	0070(B)	0147	no maximum	(not included)
Brocade SAN Switch	6.2.2b	6.2.2b	no maximum	v6.2.2b.tar.gz
Cisco 4948E-F Switch IOS	12.2(54)WO	12.2(54)WO	12.2(54)WO	cat4500e-entservicesk9-mz.122-54.WO.bin
Cisco 4948E-F Switch PROM	12.2(44r)SG9	12.2(44r)SG9	no maximum	N/A
Cisco 4948E Switch IOS	12.2(54)XO	12.2(54)XO	12.2(54)XO	cat4500e-entservicesk9-mz.122-54.XO.bin
Cisco 4948E Switch PROM	12.2(44r)SG8	12.2(44r)SG8	no maximum	N/A
Cisco 4948 Switch IOS	12.2(53)SG2	12.2(53)SG2	12.2(53)SG2	cat4500-ipbasek9-mz.122-53.SG2.bin
Cisco 4948 Switch PROM	12.2(31r)SGA1	12.2(31r)SGA1	no maximum	cat4500-ios-promupgrade-122_31r_SGA1
Cisco 3020 Switch IOS (For SwitchConfig Systems Only)	12.2(50)SE3	12.2(50)SE3	12.2(50)SE3	cbs30x0-ipbasek9-tar.122-50.SE3.tar
Cisco 3020 Switch IOS (For NetConfig Systems Only)	12.2(58)SE1	12.2(58)SE1	12.2(58)SE1	cbs30x0-ipbasek9-tar.122-58.SE1.tar
HP 6120XG Switch	Z.14.37	Z.14.37	Z.14.37	Z_14_37.swi
HP 6125G Switch	5.20.99, Release 2105	5.20.99, Release 2105	5.20.99, Release 2105	6125-CMW520-R2105.bin
HP 6125XLG Switch	7.1.045, Release 2403	7.1.045, Release 2403	7.1.045, Release 2403	6125XLG-CMW710-R2403.ipe