

# Release Notes

## Polycom® Distributed Media Application™ 7000 System, Version 3.0 Release (Patched)



POLYCOM®

Polycom® announces the release of its Polycom® Distributed Media Application™ (DMA™) 7000 System, version 3.0.0\_P1. This document provides the latest information about this release.

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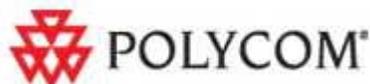
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## Introducing the Polycom DMA™ 7000 System

The Polycom DMA 7000 system is a highly reliable and scalable video collaboration infrastructure solution that performs two primary functions:

- ❑ The Conference Manager uses advanced routing policies to distribute voice and video calls among multiple media servers (Multipoint Control Units, or MCUs), creating a single virtual resource pool. This greatly simplifies video conferencing resource management and uses MCU resources more efficiently.
- ❑ The Call Server (see “What’s New in the Version 3.0 Base Release” on page 4) provides complete endpoint registration and call routing services for both H.323 and SIP protocols. It also serves as a gateway between H.323 and SIP, enabling enterprises with legacy H.323 devices to begin transitioning to SIP in a gradual, orderly, and cost-effective manner.

The Polycom DMA 7000 system also:

- ❑ Integrates with Microsoft Active Directory, automating the task of provisioning users for video conferencing. Combined with its advanced resource management, this makes ad hoc video conferencing on a large scale feasible and efficient, reducing or eliminating the need for conference scheduling.
- ❑ Integrates with Microsoft Exchange Server, enabling users who install the Polycom Conferencing Add-in for Microsoft Outlook to set up Polycom Conferencing meetings in Outlook.
- ❑ Integrates with a Polycom CMA 5000 system to obtain site topology and user-to-device association data.

Use of this software constitutes acceptance of the terms and conditions of the Polycom DMA 7000 system end-user license agreement on page 15.

## What’s New in the Version 3.0.0\_P1 Release

The version 3.0.0\_P1 release fixes a number of issues found in the version 3.0 base release and replaces that release.

### Resolved Issues

The following table lists the issues resolved in this release.

Issue ID	Description
DMA-5156	DMA cluster failed to send URRQ at end of call to all devices that were in a call when primary gatekeeper cluster for territory returned online.
DMA-5157	DMA alternate gatekeeper cluster sent ARJ to RMX MCU when endpoint registered with primary cluster attempted to call a DMA meeting room.
DMA-5486, DMA-5591, DMA-5939, DMA-6026	In some cases, due to timing issues, an ACK message was dropped when messages arrived out of order, causing a call to drop when it shouldn't.
DMA-5858	Active Directory integration failed when retrieving a group with more than 1000 members and a slash (/) or backslash (\) in its name.
DMA-6059	Lync clients calling DMA meeting room hosted on RMX unable to decode receive audio when call server functionality enabled.
DMA-6065	When Microsoft Office Communicator or Lync 2010 clients called a DMA VEQ and were routed to an RMX MCU with ICE activated, the calls were routed to the destination and disconnected.

Issue ID	Description
DMA-6099	Cascading: Calls from Lync 2010 clients joined the wrong RMX MCU because the site was incorrectly calculated.
DMA-6149	When an MCU was taken out of service as a conferencing resource, and it subsequently registered with the DMA gatekeeper, it was also put back into service as a conferencing resource.
DMA-6163	Unable to upgrade a system that had only the default (out-of-the-box) network configuration.
DMA-6182	Virtual IP address notifier may give a false positive with some IP combinations.
DMA-6273	Serial numbers not displayed in Help > About DMA 7000 dialog box.

### Prerequisites/Configuration Considerations

Systems must have Polycom DMA 7000 v2.3.0 (any patch level) or v3.0. installed. No other prerequisites exist.

### Installation Notes

To update a Polycom DMA system with a new software patch, complete the following tasks:

1. Download the software upgrade file to your PC.
2. Perform the software upgrade by following the upgrade steps described in the “Upgrading the Software” topic of the online help or *Polycom DMA 7000 System Operations Guide*.
3. Verify the upgrade.

### Rollback Considerations

To roll back this patch, follow the rollback steps described in the “Upgrading the Software” topic of the online help or *Polycom DMA 7000 System Operations Guide*.

### Known Issues

This patch release has no new known issues. Please see page 12 for known issues reported with the v3.0 base release.

## What's New in the Version 3.0 Base Release

The Polycom DMA system version 3.0 includes the following new features. For more information on these new features, see the *Polycom DMA System Operations Guide* and the online help.

### ❑ Call Server

This version of the Polycom DMA system adds Call Server functionality to its feature set. The Call Server provides the following functionality:

- H.323 gatekeeper
- SIP registrar and proxy server
- H.323 <-> SIP gateway
- Bandwidth management
- Simplified ISDN gateway dialing
- Support for hunt groups and call forwarding

The Call Server makes it possible for multiple UC environments and different video conferencing technologies to be unified across the network into a single dial plan.

### ❑ Superclustering

To provide geographic redundancy and greater capacity, up to five geographically distributed Polycom DMA system clusters (either two-node or single-server) can be integrated into a supercluster. All five clusters can be Call Servers (that is, function as gatekeeper, SIP proxy, SIP registrar, and gateway). Up to three can be Conference Managers (that is, manage an MCU resource pool to host conference rooms).

The superclustered Polycom DMA systems can be centrally administered and share a common data store. Yet there is no single, centralized database. Each cluster maintains a local copy of the data store, and changes are replicated to all the clusters.

A five-cluster supercluster supports up to 25,000 concurrent calls and 75,000 registrations.

### ❑ Juniper SRC integration

This version of the Polycom DMA system can be integrated with a Juniper Networks Service Resource Controller (SRC) to provide bandwidth assurance services.

### ❑ New Dashboard

A completely redesigned and highly customizable Dashboard lets you configure your initial view of the management interface to show the system status and history information you want to see. A new Alerts system complements the Dashboard.

### ❑ New menu structure

To better accommodate the many new functions related to Call Server, the management interface's menu structure has been reorganized to be more logical and usable.

### ❑ New reporting and monitoring pages

The new Active Calls, Site Statistics, Site Link Statistics, Registration History, and Network Usage pages provide complete information about Call Server operations and system/network activity.

- ❑ New licensing

This version of the Polycom DMA system is licensed based on the number of concurrent calls to be supported. No additional license is needed for MCU management or any other feature.

## System Requirements

- ❑ For best reliability, deploy the Polycom DMA 7000 system into a good-quality IP network with low latency and very little packet loss.
- ❑ In systems with enterprise directory integration, the network between the DMA 7000 and the enterprise directory should have less than 200 ms round-trip latency and less than 4% round-trip packet loss.
- ❑ The network between the Polycom DMA system and all MCUs should have less than 200 ms round-trip latency and less than 2% round-trip packet loss. Since this network carries only signaling traffic (the RTP stream goes directly from the endpoint to the MCU), bandwidth is not an issue.
- ❑ The network between the Polycom DMA system and video endpoints should have less than 200 ms round-trip latency and less than 6% round-trip packet loss.
- ❑ Browser minimum requirements: Microsoft Internet Explorer® 7.0, Mozilla Firefox® 3.0, or Google Chrome 11 (with Adobe Flash plugin, not built-in Flash support).

## Installation and Upgrade Notes

Installation of new Polycom DMA 7000 systems is managed through Polycom Project Management. For more information, please contact your Polycom representative.

See the *Deploying Visual Communications Administration Guide* for detailed installation requirements and information.

Polycom DMA systems running versions 2.2 or 2.3 (with or without service packs) can be upgraded to version 3.0. This upgrade requires a new license key after the upgrade.

See the *Polycom DMA System Operations Guide* and online help for upgrading and licensing procedures.

## Polycom Solution Support

Polycom Implementation and Maintenance services provide support for Polycom solution components only. Additional services for supported third-party Unified Communications (UC) environments integrated with Polycom solutions are available from Polycom Global Services and its certified Partners. These additional services will help customers successfully design, deploy, optimize, and manage Polycom visual communications within their UC environments.

Professional Services for Microsoft Integration is mandatory for Polycom Conferencing for Microsoft Outlook and Microsoft Office Communications Server or Lync Server integrations. For additional information, please see [http://www.polycom.com/services/professional\\_services/index.html](http://www.polycom.com/services/professional_services/index.html) or contact your local Polycom representative.

# Interoperability

## Integration with Polycom RMX™ 1500/2000/4000 MCUs

To support the Polycom DMA system's **High security** setting, configure the Polycom RMX MCUs being added to the system to accept encrypted (HTTPS) management connections.

The Polycom DMA system uses conference templates to define the conferencing experience associated with a conference room or enterprise group. Conference templates can be free-standing or linked to an RMX conference profile. If you link templates to RMX profiles, make sure the profiles exist and are defined the same on all the Polycom RMX MCUs that the Polycom DMA system uses.

Refer to the *Polycom DMA 7000 System Operations Guide* or online help for more information on setting up MCUs for the Polycom DMA system. Refer to the *Polycom RMX Administrator's Guide* for more information on enabling encrypted connections and creating RMX profiles.



*Note: The Automatic Password Generation feature, introduced in RMX version 7.0.2, is not compatible with the Polycom DMA system. On Polycom RMX MCUs to be used with the Polycom DMA system, disable this feature by setting the system flags NUMERIC\_CONF\_PASS\_DEFAULT\_LEN and NUMERIC\_CHAIR\_PASS\_DEFAULT\_LEN both to 0 (zero).*

## Device Version Requirements

Polycom has successfully tested the Polycom DMA system with the version numbers shown of the following devices.

Device	Version
Polycom PathNavigator	7.00.12
Polycom SE200	3.00.07
Polycom RMX/GW	7.1
Polycom RMX1000	2.1.1
Polycom MGC 50+	9.0.4.3
Polycom CMAD	5.1.0.060
Polycom CMAD MAC	5.1.1.5200_1178
Polycom HDX	3.0.1/3.0.2
Polycom VVX1500	3.3.1/4.0.0
Polycom VSX	9.0.6.1
Polycom FX	6.0.5
Polycom iPower 9000	6.2.0.1208
Polycom PVX	8.0.4/8.0.16
Polycom VS	7.5.4
Polycom QDX4000	4.0.1.1
Polycom DST B5	V2.0
Polycom DST K60	V2.0.1
Cisco 3745 GK	V 12.4 (1c)
Radvision ECS GK	5.6.2.10

Device	Version
Tandberg GK	N6.1
Tandberg 150 MXP	L6.0.2
Tandberg MXP	F9.0.1
Tandberg C20	TC4.1.1.253451
Tandberg EX90	TC4.1.1.253451
Tandberg C90	TC4.1.1.253451
Tandberg E20	TE4.0.0.246968
Lifesize Room	4.7.17(1)
Lifesize Room 200	4.7.17(1)
Lifesize Team	4.7.17(1)
Lifesize Team 220	4.8.0(59)
Sony PCS1	3.42
Sony G50	2.72
Sony PC-XG80	2.30
Sony TL50	2.42
Radvision Scopia XT1000	2.0.115
Aethra X3	12.01.0019
Aethra X7	12.01.0007

## Open Source Software

The Polycom DMA system uses several open source software packages, including the CentOS operating system. The packages containing the source code and the licenses for this software are included on the Polycom DMA system software DVD in the /SRPMS directory.

The following table lists the open source software packages used in the Polycom DMA system, the applicable license for each, and the internet address where you can find it.

Software Name	Version	License type	Source
Axis	1.4.2	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
bsf	2.3.0-rc1	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
CentOs	5.6	GPLv2	<a href="https://www.redhat.com/licenses/gpl.html">https://www.redhat.com/licenses/gpl.html</a>
Cluster-glue	1.0.5	GPLv2	<a href="http://www.gnu.org/licenses/old-licenses/gpl-2.0.html">http://www.gnu.org/licenses/old-licenses/gpl-2.0.html</a>
commons-beanutils	1.7	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
commons-collections	3.2	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>

Software Name	Version	License type	Source
commons-configuration	1.5	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
commons-digester	1.6	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
commons-discovery	0.2	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
commons-fileupload	1.2.1	Apache License, Version 2	<a href="http://commons.apache.org/fileupload/license.html">http://commons.apache.org/fileupload/license.html</a>
commons-httpclient	3.0.1	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
commons-io	1.4	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
commons-jexl	1.0	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
commons-jxpath	1.2	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
commons-lang	2.3	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
commons-logging	1.0.4	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
commons-pool	1.3	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
corosync	1.2.5	BSD	<a href="http://opensource.org/licenses/bsd-license.php">http://opensource.org/licenses/bsd-license.php</a>
dom4j	1.5.2	BSD-style	<a href="http://www.dom4j.org/license.html">http://www.dom4j.org/license.html</a>
drools	4.0.0	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
Hibernate Annotations	4.2.1.GA	LGPLv2.1	<a href="http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html">http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html</a>
Hibernate (core)	3.2.4 SP 1	LGPLv2.1	<a href="http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html">http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html</a>
Hsqldb	2.0.1-rc1	BSD-style	<a href="http://hsqldb.org/web/hsqLicense.html">http://hsqldb.org/web/hsqLicense.html</a>
JAF	1.1	Sun	<a href="https://cds.sun.com/is-bin/INTERSHOP.enfinity/WFS/CDS-CDS_Developer-Site/en_US/-/USD/ViewLicense-Start?LicenseUUID=mtrACUFBzm4AAAAYkcl5AXh_&amp;ProductUUID=zFnACUFBIVoAAAEYhxc5AXt.&amp;cnum=&amp;evsref=&amp;sln=">https://cds.sun.com/is-bin/INTERSHOP.enfinity/WFS/CDS-CDS_Developer-Site/en_US/-/USD/ViewLicense-Start?LicenseUUID=mtrACUFBzm4AAAAYkcl5AXh_&amp;ProductUUID=zFnACUFBIVoAAAEYhxc5AXt.&amp;cnum=&amp;evsref=&amp;sln=</a>
jamon	2.2	BSD-style	<a href="http://jamonapi.sourceforge.net/#JAMonLicense">http://jamonapi.sourceforge.net/#JAMonLicense</a>
Java JRE	1.6.0.20	Sun Microsystems, Binary Code license (BCL)	<a href="http://www.java.com/en/download/license.jsp">http://www.java.com/en/download/license.jsp</a>
JavaMail	1.4	Sun	<a href="https://cds.sun.com/is-bin/INTERSHOP.enfinity/WFS/CDS-CDS_Developer-Site/en_US/-/USD/ViewLicense-Start?LicenseUUID=CgxIBe.odCIAAAEIFCZzXgjJ&amp;ProductUUID=r5dlBe.pitEAAAEIUJh6wjK&amp;cnum=&amp;evsref=&amp;sln=">https://cds.sun.com/is-bin/INTERSHOP.enfinity/WFS/CDS-CDS_Developer-Site/en_US/-/USD/ViewLicense-Start?LicenseUUID=CgxIBe.odCIAAAEIFCZzXgjJ&amp;ProductUUID=r5dlBe.pitEAAAEIUJh6wjK&amp;cnum=&amp;evsref=&amp;sln=</a>
JBOSS AS	4.2.1 GA	LGPLv2.1	<a href="http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html">http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html</a>
Jboss-aop	1.5.5	LGPLv2.1	<a href="http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html">http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html</a>
Jboss-cache	1.4.1.sp14	LGPLv2.1	<a href="http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html">http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html</a>

Software Name	Version	License type	Source
Jboss-jaxws	2.0.0.GA	LGPLv2.1	<a href="http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html">http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html</a>
Jboss-jmx	4.2.1.GA	LGPLv2.1	<a href="http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html">http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html</a>
Jboss-remoting	2.2.2.sp1	LGPLv2.1	<a href="http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html">http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html</a>
Jboss-serialization	4.2.1.GA	LGPLv2.1	<a href="http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html">http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html</a>
Jgroups	2.4.8.GA	LGPLv2.1	<a href="http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html">http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html</a>
jcifs	1.3.2	LGPLv2.1	<a href="http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html">http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html</a>
jna	3.0.9 b0	LGPLv2.1	<a href="http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html">http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html</a>
joesnmp	0.3.4	LGPLv2.1	<a href="http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html">http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html</a>
libesntp	1.0.4	LGPLv2.1	<a href="http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html">http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html</a>
libnet	1.1.4		
libxml2	1.2.3	MIT License	<a href="http://www.opensource.org/licenses/mit-license.html">http://www.opensource.org/licenses/mit-license.html</a>
Log4j	1.2.14	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
NSS	Part of Centos distribution	Mozilla Public License v1.1	<a href="http://www.mozilla.org/projects/security/pki/nss/faq.html#q3.1">http://www.mozilla.org/projects/security/pki/nss/faq.html#q3.1</a>
NSS Tools	Part of Centos distribution	Mozilla Public License v1.1	<a href="http://www.mozilla.org/projects/security/pki/nss/faq.html#q3.1">http://www.mozilla.org/projects/security/pki/nss/faq.html#q3.1</a>
NTP	Part of Centos distribution	Open Software License v3.0	<a href="http://www.opensource.org/licenses/ntp-license.php">http://www.opensource.org/licenses/ntp-license.php</a>
OpenDS	2.2.0	CDDL	<a href="http://www.opensource.org/licenses/cddl1.php">http://www.opensource.org/licenses/cddl1.php</a>
openSSH	Part of Centos distribution	OpenSSH	<a href="http://www.openssh.org">http://www.openssh.org</a>
openSSL	Part of Centos distribution	OpenSSL	<a href="http://www.openssl.org/source/license.html">http://www.openssl.org/source/license.html</a>
Python	Part of Centos distribution	Python Software Foundation License Version 2	<a href="http://python.org/download/releases/2.6.2/license">http://python.org/download/releases/2.6.2/license</a>
Quartz	1.5.2	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
Snmp4j	1.10.2	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
sudo	1.7.2p1	ISCL	<a href="https://www.isc.org/software/license">https://www.isc.org/software/license</a>
Xerces2	See JBoss.	Apache License, Version 2	<a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>
OpenFire		Apache License, Version 2	<a href="http://www.igniterealtime.org/builds/openfire/docs/latest/LICENSE.html">http://www.igniterealtime.org/builds/openfire/docs/latest/LICENSE.html</a>
Rhino		Mozilla Public License, v1.1	<a href="http://www.mozilla.org/MPL/MPL-1.1.html">http://www.mozilla.org/MPL/MPL-1.1.html</a> <a href="https://developer.mozilla.org/en/Rhino_License">https://developer.mozilla.org/en/Rhino_License</a>

Software Name	Version	License type	Source
Web App Solution, Inc. Flex 3 dashboard		Creative Commons Attribution-Noncommercial-Share Alike 3.0 Unported License, with a Creative Commons Plus License for commercial rights to the work.	<a href="http://creativecommons.org/licenses/by-nc-sa/3.0/">http://creativecommons.org/licenses/by-nc-sa/3.0/</a> <a href="http://www.adobe.com/communities/guidelines/ccplus/commercialcode_plus_permission.html">http://www.adobe.com/communities/guidelines/ccplus/commercialcode_plus_permission.html</a>
The Open Source packages below are included in the Polycom DMA 7000 system as a consequence of being embedded in the Java Platform, Standard Edition Embedded, version 6.0. License text available at <a href="http://downloads.polycom.com/Oracle/THIRDPARTYLICENSEREADME.TXT">http://downloads.polycom.com/Oracle/THIRDPARTYLICENSEREADME.TXT</a>			
CS CodeViewer	v1.0	BSD-like	
Crimson	v1.1.1	Apache 1.1	
Xalan J2		Apache 2.0	
NSIS	1.0j	(see license file)	
IAIK PKCS Wrapper		BSD-like	
Document Object Model (DOM)	v. Level 3	W3C SOFTWARE NOTICE AND LICENSE	
Xalan, Xerces		Apache 1.1	
W3C XML Conformance Test Suites	v. 20020606	W3C SOFTWARE NOTICE AND LICENSE	
W3C XML Schema Test Collection	v. 1.16.2	W3C SOFTWARE NOTICE AND LICENSE	
Mesa 3-D graphics library	v. 5	The core Mesa library is licensed according to the terms of the XFree86 copyright (an MIT-style license). The Mesa source code is licensed under SGI FREE SOFTWARE LICENSE B (Version 1.1 [02/22/2000])	
Byte Code Engineering Library (BCEL)	v. 5	Apache 1.1	
Regexp Regular Expression Package	v. 1.2	Apache 1.1	
CUP Parser Generator for Java	v. 0.10k	(general permissive license)	
JLex: A Lexical Analyzer Generator for Java	v. 1.2.5	(general permissive license)	
SAX	v. 2.0.1	Public Domain	
Cryptix		Cryptix General License	

Software Name	Version	License type	Source
W3C XML Schema Test Collection		W3C DOCUMENT NOTICE AND LICENSE	
Stax API		BEA License (unique terms)	
X Window System		(general permissive license)	
dom4j v. 1.6		BSD-like	
Retroweaver		(general permissive license)	
Stripper		BSD-like	
libpng official PNG reference library		(general permissive license)	
Libungif – An uncompressed GIF library		(general permissive license)	
Ant		Apache 2.0	
XML Resolver Library		Apache 2.0	
ICU4J		ICU License	
NekoHTML		Apache-like (1.1)	
Jing		(general permissive)	
RelaxNGCC		(general permissive)	
RELAX NG Object Model/Parser		MIT License	
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LZMA Software Development Kit		Common Public License (CPL)	

## Resolved Issues

The following table lists the issues resolved in the Polycom DMA 7000 system v3.0 base release.

Issue ID	Found in Version	Description
DMA-1678	2.0	If one node of a two-node DMA system is down, and the other node terminates integration with a CMA system, the system re-integrates with the CMA system when the second node is powered back on.
DMA-3142	2.3	If the system's network configuration was changed to IPv6 addressing only, but no IPv6 address was specified, the system became unreachable. The system now presents an error message and prevents this misconfiguration.
DMA-3454	2.2	Failure to specify NTP servers sometimes led to a time disparity on the two servers of a two-node cluster. Now, if no NTP server is specified, Node 2 syncs its clock to Node 1. We still strongly recommend that you specify at least one and preferably three NTP servers.

## Known Issues

The following table lists the known issues in this Polycom DMA 7000 system release.

Issue ID	Found in Version	Description	Workaround
DMA-1527	2.0	When the DMA system is using a Radvision ECS GK set for routed mode, endpoints are displayed twice on the RMX's EMA.	Configure the Radvision ECS GK to use direct mode routing.
DMA-1534	2.0	Tandberg and Cisco gatekeepers: Only one DMA node registers with the Tandberg and Cisco GKs.	
DMA-1691	2.0	Calls from Tandberg 6000 E and 6000 B endpoints are unable to join a DMA meeting.	
DMA-1877	2.2	When a call from a VSX endpoint fails over from an RMX MCU to a Codian MCU that hasn't been appropriately configured, the call has no audio.	
DMA-1939, 1941, 1948	2.3	H.323 calls using dial strings of the form <IP Address>##<Alias> sometimes fail.	The DMA supports such dial strings for both inbound and outbound calls, routing them to the specified gatekeeper or MCU IP address. Interpretation of the alias depends on the destination gatekeeper or MCU. Use of this feature is not recommended, however, because support for it varies significantly among different kinds of endpoints.
DMA-2014	2.3	Polycom HDX and PVX endpoints 2353 don't support failover of SIP registrations.	
DMA-2027	2.3	SIP TLS calls to an older HDX endpoint fail if they traverse two or more DMA clusters. Older versions of HDX won't accept a new TLS connection from a DMA cluster other than the one to which they're registered.	Configure all endpoints to use UDP or TCP for signaling or upgrade older HDX endpoints to the latest software version.

Issue ID	Found in Version	Description	Workaround
DMA-2109	2.3	Polycom V500 endpoints don't support failover of SIP registrations.	
DMA-2353	2.3	In some situations, SIP calls from an HDX endpoint to an existing RMX conference room join with only video - no audio.	
DMA-2362	2.3	In some situations, SIP calls from an RMX to an HDX join with only video - no audio.	
DMA-2366	2.3	In some situations, SIP calls from an RMX to an HDX registered with a Tandberg VCS gatekeeper fail.	
DMA-2411	2.2	Calls from endpoints registered to a Tandberg VCS GK don't include the IP address of the endpoint, so the DMA system can't determine the site to which the endpoint belongs. For cascaded conferences, the call ends up either in the hub conference or, if the VCS GK is in a defined site, in a spoke conference near the VCS GK.	Place the IP address of the VCS into a site near the bridges to be used for spokes.
DMA-2700	2.3	If the DMA system applies a postliminary transformation to a dial string before sending the call to a neighbored CMA GK, the call may fail.	
DMA-2717	2.2	If a "spoke" MCU with a cascade link to the "hub" MCU is registered with an unavailable GK, callers on the two MCUs are isolated from each other. No indication in GUI or logs.	Do one of the following: <ul style="list-style-type: none"> <li>• Disable cascading for the conference while the GK is unavailable.</li> <li>• Register the RMX to a working GK.</li> <li>• Busy out the RMX while its GK is unavailable.</li> </ul>
DMA-2743	2.3	SIP calls fail if they span two DMA clusters that both have transport protocol set to Auto.	
DMA-2797	2.3	Some Sony endpoints that register with the DMA system become unregistered after five minutes.	
DMA-3390	2.3	If a DMA cluster is the primary or backup for a territory, it can be removed from the supercluster via the USB Configuration Utility with no warning that territory responsibilities need to be corrected afterward.	After removing a cluster from a supercluster, always check and correct territory responsibilities.
DMA-3426	2.3, 3.0	If a DMA cluster is the primary or backup for a territory, it can't be removed from the supercluster via the management interface until the territory responsibilities are removed. But there is no warning that territory responsibilities need to be corrected afterward.	After removing a cluster from a supercluster, always check and correct territory responsibilities.
DMA-3745	2.3	It's possible to log into Node 1 of a two-node cluster and initiate an upgrade while Node 2 is still booting, causing the two nodes to be out of sync and running different versions.	Do not perform upgrade, rollback, or system reconfiguration operations without both nodes being up and active.
DMA-3750	2.3, 3.0	In a two-node cluster, under certain adverse system and/or network conditions on either node, the virtual address may move between nodes when it shouldn't. This could result in the disconnection of SIP calls and non-legacy-mode H.323 calls.	The system automatically recovers, so disconnected callers can dial back in a short time later (1 - 10 seconds).

Issue ID	Found in Version	Description	Workaround
DMA-3802	2.3	During a bridge failover in a Microsoft Lync environment, calls from Lync clients may not automatically reconnect, and other SIP calls may take several seconds longer than usual to reconnect.	
DMA-4604	3.0	Calling a SIP endpoint registered to a Broadsoft Network Server from a SIP endpoint registered to the DMA system may result in a calling loop.	
DMA-4728		Due to a possible error in SIP stack implementation, sometimes an ACK message is dropped when messages arrive out of order, causing a call to drop when it shouldn't.	The disconnected caller can dial back in.
DMA-5069		In a superclustered environment, slight time drifts between clusters may produce CDR records out of order or duplicated. If NTP services are properly configured, the system self-corrects, but by then the CDR data is already committed to the database.	NTP services usually keep clocks synced to the second, but sub-second differences may exist in the CDR ordering. Be aware that event order may not be 100% accurate due to time differences. No loss of functionality or data occurs as a result of this issue.
DMA-5337		The DMA system doesn't properly handle SIP signaling from Polycom V-series endpoints with firmware prior to v. 9.0.6 (Feb 02, 2010).	Upgrade the endpoints to v. 9.0.6 or later.
DMA-5862		HDX endpoints expect H.323 bandwidth to be reserved in 64 kbps increments, but the DMA system uses smaller increments. The DMA system may, for instance, allocate 498 kbps for a call, and the call will use that. But the endpoint displays 448 (64 * 7).	

## Where to Get the Latest Product Information

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