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# Polycom<sup>®</sup> RealPresence<sup>®</sup> Resource Manager System Virtual Edition

Polycom is pleased to announce the release of the Polycom RealPresence Resource Manager system. These release notes describe this release.

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## What's New in this Release

The RealPresence Resource Manager system offers the following new features.

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### Improved System Log Management

The RealPresence Resource Manager system has added the capability to automatically send logs to an external syslog server for storage. Also, you can now roll logs when troubleshooting or configure rolling parameters per each log file.

**IMPORTANT:** You will need to reset the system log settings after upgrading to v8.1.

### Ability to Configure Automatic System Backups

You can now configure automatic system backups to be sent to an FTP server.

Polycom recommends scheduling regular system backups. When you configure automatic system backups, the system backup zip file is automatically created and sent via FTP site to an external server. Be sure the external storage server has enough space to store regular backups. Verify the size of the backup file occasionally to ensure transfer success.

### Improved Reporting on Redundancy Server Status

The RealPresence Resource Manager system now reports on failover reasons with system alerts, dashboard status and SNMP traps.

### Enhanced SNMP Management

Polycom has made improvements in SNMP management and monitoring for the RealPresence Resource Manager system. The RealPresence Resource Manager system now incorporates the common Polycom management framework data model. This includes updated MIBs, support for receiving hardware traps from both servers in a redundant system, and a new SNMP rest API.

See the *RealPresence Resource Manager System Operations Guide* for more details about SNMP monitoring.

## **SNMP v3 Users**

When upgrading to v8.1, you will need to modify the SNMP agent settings on your MIB browser in order to keep receiving SNMP information. You need to clear the “context name” from the agent settings. It is no longer used.

## **Increased Flexibility for Dial String Generation**

You can define H.323 aliases and SIP URIs for dynamically-managed endpoint using specific user attributes from Active Directory, such as user name or e-mail address. With this version of RealPresence Resource Manager, you can now include Active Directory user attributes in your SIP URI naming.

## **Support for Polycom RealPresence Immersive Studio Systems**

You can dynamically provision, manage and schedule Polycom’s new generation of ITP systems, the RealPresence Immersive Studio system.

## **Enhanced Support for Polycom RealPresence Desktop**

RealPresence Desktop v3.1 now supports presence. Within the RealPresence Resource Manager system, you can now provision RealPresence Desktop endpoints with additional settings such as Auto Accept Invitation and Allow IM Storage.

- When you upgrade RealPresence Desktop or RealPresence Mobile clients, Polycom recommends that you temporarily configure the RealPresence Resource Manager system to reclaim soft endpoint licenses in a very short time (five minutes). As soon as the client’s license is reclaimed and re-distributed, the RealPresence Resource Manager system can accurately track the upgraded endpoints

When you upgrade the RealPresence Desktop and RealPresence Mobile clients, you may see erroneous endpoint reports in the RealPresence Resource Manager system that show duplicate RealPresence Desktop endpoints. In addition, these erroneous duplicate endpoints will each consume a RealPresence Desktop license.

After upgrading your RealPresence Desktop and RealPresence Mobile clients, you can reconfigure the license reclamation to the value you need. The default is 30 days.

## **Increased Support for Cisco Endpoints**

Polycom now supports managed Cisco EX series, C series, and SX series video endpoints and has enhanced scheduled provisioning and management supported Cisco endpoints.

Endpoint Type	Global Address Book Access	Dynamic Management <sup>a</sup>	Scheduled Management <sup>a</sup>	Scheduling (Dial In only) <sup>b</sup>	Scheduling (Dial In and Dial out) <sup>b</sup>	Monitoring (Standard) <sup>c</sup>	Command and Control <sup>d</sup>	Reports for IP Calls <sup>e</sup>	Reports for ISDN Calls <sup>e</sup>
TANDBERG T150 MXP	Y	N	Y	N	Y	Y	Y	Y	N
TANDBERG 95 MXP	Y	N	Y	N	Y	Y	Y	Y	Y
Cisco C Series	Y	N	Y	N	Y	Y	Y	Y	N
Cisco EX Series	Y	N	Y	N	Y	Y	Y	Y	N
Cisco SX Series	Y	N	Y	N	Y	Y	Y	Y	N

- Dynamic Management and Scheduled Management are mutually exclusive functionality. Third-party endpoints cannot be dynamically managed.
- Scheduling (Dial In Only) and Scheduling (Dial In and Dial Out) are presented as mutually exclusive functionality.
- Standard RealPresence Resource Manager monitoring does not involve using SNMP. It includes endpoint monitoring (online/offline status) and alerts.
- Command and Control means the RealPresence Resource Manager system can send a Reboot command, and the endpoint can receive and act on the command.
- Reports for IP Calls are generated as part of standard gatekeeper functionality. Reports for ISDN Calls are additional system functionality. Endpoints that aren't registered with the gatekeeper or ISDN calls send an alert to the device management function to record CDR information. Some legacy endpoints do not send this alert so the CDRs are not written.

## Support for Polycom RealPresence Resource Manager, Virtual Edition

This version of the RealPresence Resource Manager system is available in an edition packaged for VM-based deployment.

### DHCP Support

To facilitate VM deployment, this version of the RealPresence Resource Manager system supports DHCP. When a new RealPresence Resource Manager system instance is started, it can obtain an IP address from the DHCP server if your environment includes one. The system administrator can then connect to the system using that IP address in order to perform first-time set up, including assigning it a static IP address.

If your environment does not include a DHCP server, you can still configure the IP address for the RealPresence Resource Manager system via the VMWare console using a shell. See the *RealPresence Resource Manager System, Virtual Edition Getting Started Guide*.

## Configure Virtualization Settings

You should configure your RealPresence Resource Manager system to match the capacity of your virtual environment. This will help you avoid performance issues related to hardware capacity.

### To configure your virtualization settings in the RealPresence Resource Manager system, Virtual Edition

- 1 Navigate to **Admin > Server Settings > Virtualization Settings**.
- 2 In the **System Capability** field, enter the number of endpoints that matches your hardware configuration.

**Table: Supported Hardware Profiles for Capacity Planning**

Hardware Profile	Supported Number of Endpoints
2-virtual-core Nehalem, 2.5 GHz or more CPU clock; e.g. 2 x Xeon E5506, Memory 8G	400
4-virtual-core Nehalem, 2.5 GHz or more CPU clock; e.g. 2 x Xeon E5506, Memory 8G	4000
8-virtual-core Nehalem, 2.5 GHz or more CPU clock; e.g. 2 x Xeon E5506, Memory 8G	10000

- 3 Click **Update**.

## Features Not Supported with the Virtual Edition

RealPresence Resource Manager system redundancy settings are not available in the Virtual Edition.

The Polycom RealPresence Resource Manager system, Virtual Edition does not support two-server redundant configuration as with the Appliance Edition. Polycom recommends using vSphere HA to protect against host-level failures. See your VMWare documentation for more information. The RealPresence Resource Manager system, Virtual Edition, automatically reboots the virtual instance if an application-level failure is detected.

## Software Version History

**Table: Software Version History**

Version	API Version	Release Date	Features
v8.1.0	v2.2.0	December 2013	<ul style="list-style-type: none"> <li>Support for system log management with an external syslog server.</li> <li>Ability to configure automatic system backups.</li> <li>Improved SNMP.</li> <li>More detailed status messages for redundancy failover.</li> <li>Support for presence for RealPresence Desktop endpoints.</li> <li>Support for the RealPresence Immersive Studio systems.</li> <li>Increased flexibility to use Active Directory fields when you auto-generate dial strings.</li> <li>Increased support for scheduled provisioning of Cisco endpoints.</li> <li>Shorter conference passcodes are allowed.</li> </ul>
v8.0.1	v2.0.1	October 2013	Resolved some known issues.
v8.0	v2.0.1	August 2013	<ul style="list-style-type: none"> <li>Rule-based dynamic provisioning.</li> <li>Re-organization of menu system.</li> <li>Direct import and linking to MCU conference profiles.</li> <li>Support for SVC conferences.</li> <li>Integration with a Polycom DMA supercluster.</li> <li>Ability to auto-generate SIP URIs for dynamically-managed endpoints.</li> <li>Increased security options.</li> <li>Support for IPv6 networks.</li> <li>Support for Polycom MGC systems.</li> <li>Performance enhancements.</li> <li>Better license reclamation for Polycom soft endpoints.</li> </ul>

## About the RealPresence Resource Manager System

The RealPresence Resource Manager system is a key element of the Polycom RealPresence Platform. The RealPresence Resource Manager system takes on most of the functions previously handled by its predecessor the Polycom CMA system.

The RealPresence Resource Manager system offers the following new features. Each of these features is discussed in more detail in the following sections.

- [Integration with a Polycom DMA™ 7000 System](#)
- [Multi-tenancy and the Areas Functionality](#)
- [Scheduling Pooled or Anytime Conferences](#)

- [REST-based APIs](#)
- [Session Border Controller Support](#)
- [Billing Interface](#)
- [Unsupported Polycom CMA System Functions](#)
- [Additional System Information](#)
- [Legacy SNMP Trap Support](#)
- [Polycom RealPresence Mobile and RealPresence Desktop Support](#)

## Integration with a Polycom DMA™ 7000 System

The RealPresence Resource Manager system does not include H.323 gatekeeper functionality. Instead, the RealPresence Resource Manager system is your centralized user, conference, room, and device manager, while an integrated Polycom Distributed Media Application™ (DMA 7000) system acts as the H.323 gatekeeper, SIP registrar, SIP proxy, and SIP to H.323 gateway for your network.

In this configuration, the DMA system is also the virtualized conference manager—managing call control, bandwidth, priority-based routing, and your pool of MCU resources. As such, the DMA system supports numerous dial options including flat dial plan, MCU prefix dialing, ISDN gateway dialing, prefix dialing and Polycom One Dial.

The RealPresence Resource Manager system can only integrate with one DMA 7000 system, be it in a cluster or supercluster system configuration.

## MCU Systems Registered with the DMA System

With this release, you can schedule conferences on MCUs that are directly registered with the RealPresence Resource Manager system (direct conferences) as well as resources that are registered to the DMA system (pooled conferences).

You cannot have the same MCU managed by both systems. It must either be managed by the DMA system or managed by the RealPresence Resource Manager system. MCUs that are managed by the RealPresence Resource Manager system should not be added to the DMA system's conferencing resources.

## Multi-tenancy and the Areas Functionality

The RealPresence Resource Manager system supports multi-tenancy with its Areas feature. Multi-tenancy allows you to use the RealPresence Resource Manager system to service multiple customers (tenants), internal or external. Each area serves a tenant by partitioning off a collection of resources including users, associated endpoints, MCU resources and other network devices.

As the RealPresence Resource Manager system administrator, you may delegate administration and conferencing duties for areas to users within each areas or to a set of super users who are allowed to view and manage all areas.

- You may choose to have an area scheduler or area operator for each respective tenant or area or
- You can limit area administration tasks to users specifically allowed to manage that area.

For example, in an enterprise deployment, you can divide up users and resources according to department and then delegate video conferencing duties to users within that area. This allows the system administration duties to remain with a specialized video IT department, while video conference scheduling can be delegated to users within specific areas.

Areas also allow you to run area-specific reports on how specific departments within the enterprise are utilizing video conferencing.

## Scheduling Pooled or Anytime Conferences

The RealPresence Resource Manager system manages the following conference types:

- Pooled - Conferences hosted on MCUs that are managed by the DMA system as part of the system's MCU pools. These are ad hoc conferences that do not reserve MCU resources, but instead pull from the resource pool.
- Anytime conferences - Conferences are system-managed, ad hoc, dial out conferences. They do not have designated start and end times. Once an Anytime conference is configured by your administrator, conferences can be started at any time by authorized participants.

## REST-based APIs

The RealPresence Resource Manager system provides a functional Application Programming Interface (API) for:

- Scheduling
- Directory support
- User management
- Conference control and management
- SNMP
- System logs

This API uses an XML encoding over HTTPS transport. The API adheres to a Representational State Transfer (REST) architecture. For more information, see the *Polycom RealPresence Platform Application Programming Interface (API) Developer Guide*.

The API is licensed separately.

## Session Border Controller Support

The RealPresence Resource Manager system can dynamically manage (provision, upgrade, and manage) select remote endpoints through critical session border controller functions to enable high quality interactive communication — voice, video, and multimedia sessions — across IP network borders.



- The Polycom® RealPresence® Access Director™ enables users within and beyond the firewall to securely access video services – whether you are at home, in the office or on the go. A software based edge server – RealPresence Access Director – securely routes communications, management and content through firewalls without requiring additional client hardware or software.

For more information about this solution, see *Deploying Polycom® Unified Communications in an Polycom RealPresence® Access Director™ System Environment*.

- Acme Packet® Net-Net ESD secures the borders to the service provider IP network, the private VPN that connects major enterprise or contact center sites, and the Internet. This allows for secure communication between remote office and remote users, as well as users and organizations outside of the enterprise.

For more information about this solution, see *Deploying Polycom® Unified Communications in an Acme Packet® Net-Net Enterprise Session Director Environment*.

## Billing Interface

The RealPresence Resource Manager system also provides a billing interface that will allow the enterprise or service provider to detail “per call” information downloadable from the system as a CDR Report.

## Unsupported Polycom CMA System Functions

While the RealPresence Resource Manager system takes on most of the functions previously handled by its predecessor the CMA system, the following list describes the CMA system functions it does not support:

- Scheduling Plugin Support

RealPresence Resource Manager system does not support the Polycom® Scheduling Plugin for Microsoft® Outlook® or the Polycom® Scheduling Plugin for IBM® Lotus® Notes®. Instead, the system provides a scheduling API which will allow integrators to implement scheduling applications.

- Gatekeeper functionality

The system does not include H.323 gatekeeper functionality. Instead, the system will integrate with other standard H.323 gatekeepers like the Polycom DMA 7000 system for gatekeeper, registration and call control.

- External Database

The system does not use or support an external database. The RealPresence Resource Manager system incorporates an internal database that does not need to be managed. System backups now automatically include all database data.

- Legacy Device Support

This system release does not include support for the following “end-of-life” Polycom endpoints:

- Polycom PVX systems
- Polycom iPower systems

Polycom VSX endpoint systems are supported, but the RealPresence Resource Manager system does not manage scheduled software updates for them.

- Cascaded conferencing support

The RealPresence Resource Manager system supports cascading conferences only on the Polycom MGC system. If the RealPresence Resource Manager system is a migrated CMA system, cascading conferences scheduled on the CMA system for an RMX system are deleted from the system. Cascading conferences scheduled for Polycom MGC system remain on the system.

- Lifesize 220 Express and Team

This Lifesize Express and Lifesize 220 Team endpoints have not been tested with this release. The RealPresence Resource Manager system does not support Lifesize 220 Express and Lifesize 220 Team endpoints.

## Additional System Information

The following sections describe additional information about this RealPresence Resource Manager system release.

### Support of Multiple Provisioning Servers

Create an SRV record to point to the RealPresence Resource Manager system provisioning service that endpoints can use to auto discover the system for dynamic provisioning.

Two or more provisioning servers may co-reside on a network; however only one may be used for DNS-based discovery of provisioning services.

If more than one provisioning server is used within an environment, there is no knowledge or coordination between the provisioning servers. This includes, but is not limited to:

- No shared directory services
- No shared management or provisioning services
- No shared scheduling
- No shared licenses

### Legacy SNMP Trap Support

In this release, the POLYCOM-CMA-MIB is a legacy MIB that includes some unsupported event traps. However, it does support the following SNMP event traps.

- mcuDownAlert,
- dbConnectionDownAlert,
- ldapConnectionDownAlert,
- cmaFailoverAlert,
- licenseCapacityAlert,
- licenseExpirationAlert
- redundantServerDownAlert
- ldapSystemAccountPasswordFailed

- bandwidthUsedSiteAlert
- bandwidthUsedSubnetAlert
- bandwidthUsedSiteLinkAlert
- auditUsageThresholdExceeded
- alertDiskSpaceUsageExceeded
- certificateExpirationWarning
- certificateExpiredWarning
- cpuUsageExceededAlert
- memoryUsageExceededAlert
- idsFloodDetected
- dmaDownAlert

SNMP traps not listed here may be included in the POLYCOM-CMA-MIB but are not supported and have no information.

See the *RealPresence Resource Manager System Operations Guide* for more details about SNMP monitoring.

## System Parameters

The RealPresence Resource Manager system operates within the following system parameters:

- Users—250000
- Groups—1000
- Areas—no limit
- Devices—limited to maximum number of device licenses (50000)
- Global Address Book entries—limited to maximum number of device licenses
- Room entries—no limit, but if the system has more than 500 room entries, it could experience user interface performance issues.
- Site entries—supports up to 500 total sites
- Subnets—supports up to 5000 total subnets
- Site links—no limit
- Maximum number of concurrent endpoint software upgrade: 80
- Maximum number of licensed endpoints: 50000.
- Max number concurrent calls that can be monitored—no limit
- Max number directory entries—no limit
- Max number of registered DMA systems (or DMA superclusters)—1
- Maximum number of registered MCUs—no limit
- Maximum text message length that can be sent to a hard endpoint is 100 characters.
- Maximum number of provisioning profiles is 2000.
- Maximum number of provisioning rules is 2000.
- Maximum password age for local user is 180 days when this feature is enabled.
- Maximum displayed users in the Users page is 500.
- Maximum number of tiers in Address book: 5
- Maximum Guest book entry: 500
- Maximum 50 user GUI login sessions per system and 10 sessions per user.

## Localization Information

This version of the RealPresence Resource Manager system user interface (UI) is only available in the following languages: English, French, German, International Spanish, Japanese, Korean, Simplified Chinese, Traditional Chinese, Portuguese, and Russian.

Localization of the UI is not complete for all the system. Some messages display in English.

## Installation and Upgrade Information

Your RealPresence Resource Manager system must be running v8.0.x in order to apply the upgrade software for v8.1.0.

## Web Interface System Requirements

The following table describes the requirements for the RealPresence Resource Manager system web interface.

Note that you cannot use Mozilla Firefox and Apple Safari to upload files to the RealPresence Resource Manager system. It is not supported. To upload files, use Google Chrome or Internet Explorer.

Product	Versions
Microsoft Internet Explorer®	8.0, 9.0 or 10.0
Mozilla Firefox®	11 or higher
Apple Safari	5.1.6 or 5.1.7
Google Chrome	17 or higher
Adobe Flash Player	9.x or 10.x

## Products Tested With This Release

Polycom RealPresence Resource Manager systems are tested extensively with a wide range of products. The following list is not a complete inventory of compatible equipment. It simply indicates the products that have been tested for compatibility this release.



You are encouraged to upgrade all your Polycom systems with the latest software before contacting Polycom support to ensure the issue has not already been addressed by vendor software updates. Go to [http://support.polycom.com/PolycomService/support/us/support/service\\_policies.html](http://support.polycom.com/PolycomService/support/us/support/service_policies.html) to find the current Polycom Supported Products matrix.

Product	Tested Versions
<b>Polycom Video Endpoints</b>	
Polycom HDX systems	v3.1.2, v3.1.3
Polycom RealPresence Group Series (300, 500, 550, and 700)	v4.1.1, v4.1.3
CMA Desktop (Windows and Mac)	5.2.5
RealPresence Mobile	v3.0, v3.1
RealPresence Desktop (Windows and Mac)	v3.0, v3.1
Polycom VVX 1500	v3.3.2
Polycom VSX 7000	v9.0.6
RealPresence Immersive Studio systems	4.1.2
<b>Network Devices</b>	
RealPresence Collaboration Server 800s	v8.1 <sup>a</sup> , v8.3
Polycom RMX system (1500/2000/4000)	v8.1 <sup>b</sup> , v8.3
Polycom MGC system	v9.0.4
Polycom DMA 7000	v6.0.2, v6.0.3
RealPresence Access Director	v3.0, v3.1
Polycom VBP-ST	v11.2.16
<b>Third Party Products</b>	
Acme Packet Net-Net Enterprise Session Director	6.3
LifeSize 200 Series	4.7.22
Tandberg MXP Series (1700MXP)	F9.3.1 PAL

Product	Tested Versions
Cisco C20	6.0, 6.2
Tandberg T150	L6.1
Cisco EX90	6.2
Cisco SX20	6.2

- a. The RealPresence Resource Manager system reports port numbers based on resource usage for CIF calls. Version 8.1 and later Polycom MCUs report port numbers based on resource usage for HD720p30 calls. In general, 3 CIF = 1 HD720p30, but it varies depending on bridge/card type and other factors.
- b. The RealPresence Resource Manager system reports port numbers based on resource usage for CIF calls. Version 8.1 and later Polycom MCUs report port numbers based on resource usage for HD720p30 calls. In general, 3 CIF = 1 HD720p30, but it varies depending on bridge/card type and other factors.

## Resolved Issues

The following table lists the resolved issues in this RealPresence Resource Manager system release.

Issue Number	Description
XMA-4868	The icons for guest and room are not correct.
XMA-5013	After you migrate to RealPresence Resource Manager from CMA 5.5 or 6.1, you cannot schedule software updates for Lifesize endpoints.
XMA-4835	During an upgrade or server restart, it still looks like the RealPresence Resource Manager system maintains connections to endpoints. It does not.
XMA-4956	Several profile option value of the RMX conference profile isn't sent to actual conference.
XMA-4954	REPORTS > Site-Link Statistics information may be inaccurate.
XMA-4944	You cannot set default passwords for LifeSize endpoints with the Endpoint Management Settings feature.
XMA-4869	If you extend the duration of a conference, it may not end when all endpoints disconnect.

Issue Number	Description
XMA-4989	When "alerts" is selected in the "filter" drop-down menu in Endpoint > Monitor View, a warning message pops up if no endpoint applies to the filter.
XMA-4850	Users with the area operator role cannot use the Favorites menu.
XMA-4759	When paging through a list of endpoints on the Endpoint Monitoring page, the user interface is not clear. The number of available pages to scroll through 1/2 pages should be 1/ 2 pages.
XMA-4918	A scheduler cannot schedule recurring pooled conferences with a start time of "now".
XMA-4949	You cannot provision a security banner for dynamically-managed endpoints.
XMA-4901	When you export an endpoint inventory report, area information is not included unless you have the area administrator role.
XMA-4896	When filtering Alerts, you can only filter on the first page of endpoints.
XMA-4992	When updating a DSR in the DSR API, the deviceType is not a mandatory field in the yang model.
XMA-4846	When the RealPresence Resource Manager system is configured for redundancy and supports more than 20,000 endpoints, it may take up to 60 seconds to log into the system.
XMA-5022	The default Internet/VPN site is not in the selected site list for rule condition for provisioning rules.
XMA-4936	When configuring remote alerts profiles, the Alert By Network option should read Aleart By Network Device.



Issue Number	Description
XMA-4969	The filters on the Endpoint Usage Report are sometimes incorrect and display non-dynamically managed endpoints when filtering for dynamically-managed endpoints.
XMA-4914	In some circumstances, some endpoints appear in Polycom VBP system list.
XMA-4926	When areas are enabled, the endpoint inventory report includes site information for endpoints within sites that the user cannot manage.
XMA-4831	Anytime conferences do not support having a SIP user being the conference owner. Dial out participants will not be dialed in the conference owner is a SIP users.
XMA-5028	When you have unchecked the "Allow Audio Conferences" check box in the Security Option page, audio templates and options still display when you are scheduling a conference.
XMA-4946	API: The RealPresence Resource Manager system should return error code 400 not 409 when trying to create a user without the user name in the REST API post body.
XMA-4803	The online participants number for conference in Conference Status pane is the total participant number not the actual online participant number.

Issue Number	Description
XMA-5026	When you unmark the "Allow non-dynamically managed endpoints and point-to-point conference scheduling" is unchecked, endpoints registered to the Polycom DMA system still consumed licenses although they are not displayed in the Endpoint Monitoring screen.
XMA-5031	CMA Desktops that are associated with users from Active Directory (not local users) cannot add favorites if the "Allow endpoint directories for local users to include enterprise directory user and group information" option is unchecked.
XMA-5730	When you schedule a pooled conference, the conference invitation sends chairperson passcode to the DMA even though no chairperson passcode is selected.
XMA-5633	The Polycom HDX cannot dial out to endpoints that have Annex-O numbers in the RealPresence Resource Manager system Guest Book.
XMA-5561	You cannot edit a single instance of a recurring conference.
XMA-5519	When you edit a series of recurring conferences that includes a conference with a past date, ghost conferences can appear when the conference launches.
XMA-5517	RealPresence Resource Manager system incorrectly shows the Moscow site in the Asia topology map.
XMA-5482	CMA Desktop clients do not save contacts.

Issue Number	Description
XMA-5461	Unable to configure redundancy RealPresence Resource Manager system v8.0 because the primary server cannot get peer server's online state.
XMA-5401	Can't add a guest participant that is dial-out and audio to a direct conference.
XMA-5359	You cannot add a conference ID that is only four digits.
XMA-5311	The RealPresence Resource Manager will show a duplicate entry for a single endpoint you registered it the DMA and then configure it to use the RealPresence Resource Manager GDS.
XMA-5288	Security-related fixes.
XMA-5285	Security-related fix.
XMA-5263	When you add a guest, the Extension check box is grayed out.
XMA-5257	When you use a linked template from the RMX, sometimes the line rate is locked at 384k.
XMA-5244	When you edit subnets within a site, but don't make any changes, a network conflict message displays.
XMA-5238	You cannot use a # sign when adding a guest participant.
XMA-5231	Endpoints connecting to conferences from behind a VBP do not display their correct system name.
XMA-5208	When you disable the Common Password option, the Credentials Required message displays.
XMA-5189	Even if Conference Time Warning is disabled, endpoints within a conference may still see the warning.

Issue Number	Description
XMA-4050	Authentication service locks up after some time.
XMA-2062	The auditlogcapacity alert does not propagate quickly enough. Also applies to other log threshold alerts.
XMA-872	In the Network Device > Monitor View, the state "Serbia and Montenegro" is displayed, but that state no longer exist. Serbia and Montenegro are now two separate states with two different international dialing prefixes.

## Known Issues

The following table lists the known issues in these release.

Issue Number	Description
XMA-5752	In the RealPresence Resource Manager system dashboard, the Resource Manager pane only displays the status of the server temperature, battery and cooling fan when SNMP v2C is enabled.
XMA-5702	You cannot use asterisks in the names of guests in the guest book.
XMA-5706	The time zone for Moscow is incorrect. It lists at GMT +3 and should be GMT +4.
XMA-5502	Offline messages received by a RealPresence Desktop (Mac version) are received out of order.
XMA-5690	If a RealPresence Resource Manager system in a redundant configuration fails over during an Anytime conference, the RealPresence Manager system does not monitor the conference correctly. Extra endpoints may appear.

Issue Number	Description
XMA-5680	If the DMA fails over during an ongoing pooled conference, disconnected participants cannot be removed from the conference.
XMA-5718	Ad hoc conferences on the RMX system that are also marked as "permanent conferences" are not displayed correctly in the Conference Monitor screen.
XMA-5555	Security certificate issues may prevent provisioning of RealPresence Desktop clients.
XMA-5725	Guest participants who dial into a conference with an E.164 number do not display as guests in the Conference Monitor screen.
XMA-5391	When a RealPresence Resource Manager system is configured for redundancy and fails over, the host name of the RealPresence Resource Manager system and its virtual IP address display incorrectly in the DMA system it is integrated with.
XMA-5414	If a conference participant is scheduled as an H.323 participant, but attempts to join the scheduled conference using SIP, the participant cannot join the conference.
XMA-5566	If a user logs into the RealPresence Desktop from outside the firewall and then logs into the RealPresence Desktop from inside the network, the external client is logged out but continues to consume a license and displays in the Endpoint Monitoring screen.
XMA-5581	Ad hoc ISDN conferences hosted on an RMX do not display correctly in the Conference Monitoring screen.

Issue Number	Description
XMA-5443	When monitoring an ad-hoc permanent conference that is hosted on an RMX, the RealPresence Resource Manager does not display the duration correctly. The duration is displayed as only one hour.
XMA-5614	When monitoring an ad hoc conference hosted on an RMX that is flagged as a "permanent conference" in the RMX, you cannot extend the duration of the conference from the RealPresence Resource Manager system.
XMA-5726	On the DMA system, if an RMX within a pool order has incorrect configuration information, no pool orders can be displayed in the RealPresence Resource Manager system.
XMA-5723	The RealPresence Resource Manager does not always monitor ad hoc conferences correctly when those conferences contain participants with different dial strings (H.323, SIP or E.164).
XMA-5720	Endpoints with double-byte character system names are not displayed correctly in the Global Address Book.
XMA-5607	It is possible to delete the Default Territory that is used by the DMA for conferencing.
XMA-5721	In a point to point call between an RealPresence Desktop user and an guest that uses and E.164 number, the guest's number is not displayed in the Conference Monitor screen.

Issue Number	Description
XMA-5739	If a scheduled pooled conference uses a customized DMA template that includes the "Conference Requires Chairperson" option, this option is not used.
XMA-5491	[8.1 RN]Conference - External participants are incorrectly displayed in an Adhoc P2P call if both the participants are Group series or RealPresence Immersive Studio endpoints and have enabled both H.323 and SIP. External participants display when the participants call other endpoints.
XMA-5660	When the RealPresence Resource Manager system is integrated with a DMA system that is deployed as a supercluster, pooled conferences that include endpoints who connect from different DMA clusters cannot be accurately monitored.
XMA-5740	If you schedule a participant as In Person and then want to change the conference to allow them to be dialed to, you cannot add a number for the participant unless the dial type is H.320.
XMA-5722	When you schedule two ISDN participants where one is a guest and the other is a Polycom HDX, the guest does not display as a guest participant and the ISDN number for the HDX displays incorrectly.

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