Meeting Exchange 6.2 Service Pack 5 Patch 1 Release Notes

May 7th, 2019

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1. Introduction

This document lists the new functionality and known operational issues in Meeting Exchange 6.2 SP5 Patch 1. This patch purpose is to provide an update including fixes for Spectre and Meltdown Vulnerabilities. The versions of the applications shown in this document reflect those fully approved by Avaya. The nature of the Avaya architecture allows for ongoing updates of the different software applications on an independent basis. Please consult with the Avaya Account Manager or Avaya support desk for ongoing updates.

1.1. Product Area Versions

Product Name	Release Version	Patch Details
System Platform	6.3.8.02001	
Meeting Exchange 6.2 – Conferencing Bridge	6.2.5.0.5	
Meeting Exchange 6.2 – Client Registration Server	6.2.5.0.2	6.2.5.0.2
Meeting Exchange 6.2 – Bridge Talk	6.2.5.0.1	
Meeting Exchange 6.2 – Bridge Talk Supervisor	6.2.5.0.1	
Meeting Exchange 6.2 – Web Portal	6.2.5.0.6	
System Manager R6.3	Latest on PLDS	Latest on PLDS
System Manager R7.0	Latest on PLDS	Latest on PLDS
System Manager R7.1	Latest on PLDS	Latest on PLDS

1.2. Meeting Exchange SP5 Patch 1 CRS components versions

Component Name	Version
Broadcast Scheduler	6.2.4.0.1
BSImport	6.2.1.8.4
CDR Loader	6.2.1.8.4
CRS Front End	6.2.2.16.1
DSCA	6.2.5.0.2
MSE	6.2.4.0.1
OvfChanger	6.2.1.2.2
PCReport	6.2.1.8.4
ResSrvr	6.2.2.26.1
Sbill	6.2.2.12.1
SCManager	6.2.2.23.2
SMSController	6.2.0.0.36

Please see section 6.0 for patch installation instructions.

Starting from Service Pack 3 AWC is not available.

1.3. Software Repository Details

For this release of Meeting Exchange 6.2, the software can be found on the Product Licensing and Delivery System (PLDS). Enter the Product ID code in the **Download PUB ID** search box to locate it. If the file is over 2Gb, use Mozilla Firefox to download it.

Application: Meeting Exchange **Version:** 6.2

Product ID	Product Name
MX000000283	Meeting Exchange R6.2 SP5 WebPortal Patch (MD5 checksum = f7b9a84b7c07d6db316da477f79651a9)
MX000000282	Meeting Exchange R6.2 SP5 Bridge Patch (MD5 checksum = 5969b7f8e45a4a300df6b69883bed248)

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1.4. System Requirements

The following system requirements cover this release.

Hardware	Refer to section 5 for details.
Codecs	G.711, G.729, G722, G726, ILBC

Operating System	• Bridge and Web Portal - RHEL6 Update6
	• Desktop Clients
	  ○ Windows 7 (32-bit,64-bit)
	  ○ Windows 8 (32-bit,64-bit)
	  ○ Windows 10 (32-bit,64-bit)

Database	SQL Svr Std Ed RUNTIME 2008 R2 (SP2) EMB ESD OEI 5 Clt SQL Svr Std Ed RUNTIME 2008 R2 (SP3)
Other Devices	Browsers • Internet Explorer 8, 9 and 10 • Mozilla Firefox 4.x • Google Chrome
Other Requirements	• System Platform6.4.0.0.17006 • IBM Notes 8.5.2 and 8.5.3 FP3 • IBM Sametime 8.5.2 on Domino Server 8.5 • SAL 1.5, 1.8 • Microsoft Excel 2007, 2010, 2013 and 2016 (CRS & Web Portal reports) • McAfee Virus Scan Enterprise 8.7 and 8.8 • Symantec Endpoint Protection 11 • DoubleTake Availability 6.0 • Sun Java System Directory Server Enterprise Edition 7.x • Microsoft Active Directory Server 2008

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1.5. Capacities, Performance and Specifications

The following are the bridge capacities for this release

Bridge and Codec	Port Capability	# of Media Servers (no redundancy)
S6200 G.711	7000	N/A
S6200 G.729	800	N/A
Pyramid G.711	8000	2 Media Servers
Pyramid G.729	8000	8 Media Servers
Pyramid G726	8000	4 Media Servers
Pyramid G722	8000	8 Media Servers

The following table shows the capacities for the other components of Meeting Exchange 6.2.

<table>
<tr><td>Capacities</td><td>Audio Recording
• Concurrent Conference Recordings – 800
• Total On-bridge Recording Hours - 6000
Web Portal and Audio Console
• Concurrent Web Portal Users –70
• Concurrent Audio Users Logging in – 70
• Concurrent Audio Console Sessions – 100
CRS Clients – 200,000
Conferences – 1,000,000</td></tr>
<tr><td>Calls Per Second</td><td>
<table>
<tr><th>Call Flow</th><th>NRP</th><th>DRP</th><th>Calls/Sec</th></tr>
<tr><td>Scan</td><td>-</td><td>-</td><td>60</td></tr>
<tr><td>Scan</td><td>Yes</td><td>-</td><td>50</td></tr>
<tr><td>Scan</td><td>-</td><td>Yes</td><td>40</td></tr>
<tr><td>Scan</td><td>Yes</td><td>Yes</td><td>40</td></tr>
<tr><td>Flex</td><td>-</td><td>-</td><td>50</td></tr>
<tr><td>Flex</td><td>Yes</td><td>-</td><td>40</td></tr>
<tr><td>Flex</td><td>-</td><td>Yes</td><td>40</td></tr>
<tr><td>Flex</td><td>Yes</td><td>Yes</td><td>40</td></tr>
<tr><td>Direct</td><td>-</td><td>-</td><td>100</td></tr>
<tr><td>Blast Dial</td><td>-</td><td>-</td><td>60</td></tr>
</table>
</td></tr>
<tr><td>Interoperability</td><td>• Avaya Communication Manager 5.2.1
• Avaya Communication Manager 6.2,6.3
• Avaya Communication Manager 7.0, 7.0.1, 7.1
• Avaya Enablement Server 6.3
• Avaya Session Manager 5.2
• Avaya Session Manager 6.2,6.3
• Avaya Session Manager 7.0, 7.0.1, 7.1, 7.1.1

Interoperability relationships with other products described in Compatibility Matrix:
https://secureservices.avaya.com/compatibility-matrix/menus/product.xhtml?name=Meeting+Exchange&version=6.2</td></tr>
</table>

2. New Features/Enhancements/Fixes included

This section lists the new features, fixes or modified functionality implemented in this release. For more information about each of these features, look for the ID of the issue on jira.forge.avaya.com In addition, Meeting Exchange 6.2 user documentation is stored in this documents:

- Implementing Meeting Exchange 6.2
- Operating Meeting Exchange 6.2
- Using Meeting Exchange 6.2

These manuals are available on the Avaya Support Website: www.support.avaya.com.
You can download each of them individually or you can download the Meeting Exchange 6.2 Documentation Library, which is a zip file containing all of the Meeting Exchange 6.2 manuals.

2.1. Spectre and Meltdown vulnerabilities fixes.

This patch includes the fixes for Spectre and Meltdown fixes for the optional system hardening from these vulnerabilities.

3. Known Issues and Workarounds

This section describes any known issues and workarounds with the release

3.1. Known Issues

ID	Component	Description
0929587	CRS	CRS and AWC – Some time zones cannot be configured correctly via System Platform. Note: Check the time zone on the AWC and CRS servers after install or if a change in Time Zone is performed via System Platform. If an update is required do this manually on the actual AWC or CRS server.
0297327	BridgeTalk	Line Listen - Highlighted line can not be heard by operator The issue occurs when there are two participant lines in a conference. Perform a line listen and, select both lines and apply. The first line in the list is highlighted, but the operator is unable to hear them Workaround : the operator needs to click off /on the line before he can hear the audio
1171280	Bridge	Talk bits can sometimes still display as on for Muted participants.
1168737	Bridge	Clear-all operation from BridgeTalk can sometimes fail due to conference and/or participant state.
0479916	CRS	Some license related log events are not generated for CRS **Note**: The following events will not result in an alarm/log been generated in the CRS • CRS in grace period • Invalid License for UC Clients • Expired License for UC Clients • Grace Period for UC Clients • License Limit exceeded for UC Clients
0375102	CRS	Outlook AWC Link is not generated though AWC IP is configured in Element Manager **Note**: Workaround: Conference link can be obtained from AWC generated Outlook email (For more information, see the following guide: Implementing Meeting Exchange 6.2).
1066413	CRS	Issue with the CRS Patch in System Platform: Double activate button **Note**: The issue is, after installing the CRS patch via System Platform, when the Activate button is pressed, it should become disabled. Sometimes the Activate button stays enabled. If this issue is encountered in production after pressing the activate button, the user does not need to press the activate button again. The patch will have been installed and activated successfully. This can be verified by checking the version listed in [BSRes2].[dbo].[Version]
0407853	Bridge	The Channels Scheduled column in traffic is not populated The Channels Scheduled (Min / Max / Avg) no longer functions on the bridge after daylight savings (summer) took over. The other columns (Channels in Scheduled Conf) and (Channels in Use) do still function. But the Channels Scheduled are always set to zero.
1072209	SMGR	Serviceability Agents are not removed from System Manager. **Note**: As a workaround execute the following on the SMGR: $MGMT_HOME/remoteSnmpConfig/utility/recoverAgent.sh <Serviceability_Agent_IP>
1171171	SMGR	CRS impact table displays time zone changes when the values did not change.
0927162	System Platform	Time zone displayed incorrectly with standard time zone, cdom, and Web Portal server after changing time zone in System Platform. **Note**: If the time zone is change in System Platform for Web Portal, the time zone is displayed incorrectly in CDom and Web Portal.
1032425	System Platform	After a fresh Install of the CRS, the time is displayed incorrectly on the CRS Server **Note**: After performing a fresh installation of the CRS or AWC, the server time is incorrect. The workaround is: Manually change the time on the CRS/AWC server to the correct time.

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ID	Component	Description
MX-4589	Bridge	MX bridge installation on Dell R630 server fails with message: "Failed to activate these network interfaces: eth0" Solution: update BIOS To update BIOS: 1. Go to http://www.dell.com/support/home/us/en/19/product-support/product/poweredge-r630/drivers?os=rh60 (for PowerEdgeR630) or http://www.dell.com/support/home/us/en/19/product-support/product/poweredge-r620/drivers?os=rh60 (for PowerEdge R620) 2. Download BIN file from BIOS section. (i.e. BIOS_1RMMP_LN_1.5.4.BIN or newer) 3. Write BIN file to a flash drive. 4. Mount flash drive. (i.e. #mount -t vfat /dev/sdb1 /mnt where /dev/sdb1 is your flash drive) 5. Run BIN file: #/mnt/BIOS_1RMMP_LN_1.5.4.BIN 6. Follow script instructions.
MX-4869	CRS	Issue: After reboot CRS Time is off by 4 hours When Local Time is set using System Platform Web Console (manually or via enabling NTP server) it's also set in Windows CRS as local time after rebooting Dom-0 in case the registry parameter [HKEY_LOCAL_MACHINE \ SYSTEM \ CurrentControlSet \ Control \ TimeZoneInformation] "RealTimeIsUniversal" is set to dword: 00000000. In case "RealTimeIsUniversal" is set to dword: 00000001 Windows local time differs from System Platform Local time by additional time shift equals to offset of current Time Zone previously set in Windows CRS machine. NTP synchronization which is set in System Platform is used only for linux Dom-0 and cdom machines, but not for Windows CRS machine. If NTP synchronization needs to be configured also for Windows CRS, it needs to be enabled manually. To enable NTP synchronization in Windows CRS: 1) Login to Windows CRS machine using Remote Desktop. 2) Enable synchronization with needed NTP server: a) Click at the clock at the bottom right. b) Click "Change date and time settings…". c) Go to "Internet Time" tab. d) Click "Change Settings". e) Enable checkbox "Synchronize with an Internet time server". f) Write the host or IP of needed NTP server. g) Click "Update now" button. Usually at first time Windows reports an error which is possibly connected with starting Windows Time service. Button needs to be clicked again for the time to be synchronized.
MX-4924	Bridge	Issue: Cannot restart Bridge service in a Pyramid configuration Application server restart service successfully using "bridge restart" command but when restart services by command: "bridge stop" and "bridge start", App server is unable to start service due to error Workaround: Instead of restarting the service, the workaround shall be restart of the whole bridge server.
MX-5022	Bridge	A disconnect is happening from Avaya Session Manager or Avaya Communication Manager to MX after certain amount of concurrent calls on the system. A separate path is issued to fix it in SP5, it can be found on PLDS. Solution: install MX 6.2 SP5 patch 2 from PLDS

4. Server Specifications

4.1. IBM Servers

	IBM 3550 (S8800)
Where used	S6200
Processor Type	Quad Core Intel® Xeon Processor X5570 4C (2.93GHz 8MB L3 Cache 1333MHz 95w)
# Processors	2
Memory	8 GB (4 x 2GB DDR3-1333 2Rx8 LP RDIMM)
Raid	RAID 5 - MR10i Integrated RAID Controller.
Disk Drives	146GB SAS 2.5" 10K RPM 6G DP Hard Drive.
# Disk Drives	3
Addl NIC's	Broadcom Corporation NetXtreme II BCM5709 Gigabit Ethernet
Removable Media	DVD-R/W SATA slimline
Power Supply	2 x 675W 12V Hotplug AC power supply.
Fans	Redundant Multi-Speed Fans
BIOS	BIOS = v1.05, RAID Firmware = 11.0.1-0022

The use of the S8800 IBM servers is to support current installations. This server will be used with the bridge and media server. It will be only to upgrade current systems to the new release and it won't provide any extra capacity than it did in Meeting Exchange 5.2.

	IBM 3550 (S8800)
Where used	Applications - CRS, WebPortal/AAC, CV, OCS
Processor Type	Quad Core Intel® Xeon Processor X5520 4C (2.26GHz 8MB L3 Cache 1066MHz 80w)
# Processors	2
Memory	12 GB (4 x 2GB DDR3-1333 2Rx8 LP RDIMM)
Raid	RAID 5 - MR10i Integrated RAID Controller.
Disk Drives	146GB SAS 2.5" 10K RPM 6G DP Hard Drive.
# Disk Drives	3
Addl NIC's	Broadcom Corporation NetXtreme II BCM5709 Gigabit Ethernet
Removable Media	DVD-R/W SATA slimline
Power Supply	2 x 675W 12V Hotplug AC power supply.
Fans	Redundant Multi-Speed Fans
BIOS	BIOS = v1.05, RAID Firmware = 11.0.1-0022

The use of the lower spec CPU IBM server will be for the applications (CRS, Web Portal), to support existing installations.

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4.2. DELL Servers

	Dell R610
Where used	S6200
Material ID	700501071
Processor Type	Intel Xeon X5670, 6C, 2.93Ghz, 12M Cache, 6.40GT/s, 95W TDP, Turbo, HT, Memory runs at 1333MHz Max
# Processors	2
Memory	24 GB (6 x 4GB DDR3-1333 2Rx8 LP RDIMM)
Raid	PERC H700, Integrated RAID Controller, 512MB Cache (RAID 5)
Disk Drives	146GB, SAS 6Gbps, 2.5-in, 10K RPM Hard Drive
# Disk Drives	5
Addl NIC's	Broadcom® NetXtreme II 5709 Dual Port Gigabit Ethernet NIC, supporting TOE, x4 PCIe
Removable Media	16X DVD+/-RW ROM Drive SATA for Win2K8 R2
Power Supply	High Output Power Supply, Redundant (2 PSU), 717W, Performance BIOS Setting
Fans	Redundant Multi-Speed Fans
Server Management Card	iDRAC6 Express Server Management Card
BIOS	BIOS = 6.1.0, RAID Firmware (Perc H700 Integrated) = 12.10.3-001

	Dell R610
Where used	Applications - CRS, WebPortal/AAC, CV, OCS
Material ID	700501083
Processor Type	Intel Xeon E5620, 4C, 2.40GHz, 12M Cache, 5.86GT/s, 80W TDP, Turbo, HT, DDR3-1066MHz
# Processors	2
Memory	12 GB (6 x 2GB DDR3-1333 2Rx8 LP RDIMM)
Raid	PERC H700, Integrated RAID Controller, 512MB Cache (RAID 5)
Disk Drives	146GB, SAS 6Gbps, 2.5-in, 10K RPM Hard Drive
# Disk Drives	3
Addl NIC's	Broadcom® NetXtreme II 5709 Dual Port Gigabit Ethernet NIC, supporting TOE, x4 PCIe
Removable Media	16X DVD+/-RW ROM Drive SATA for Win2K8 R2
Power Supply	Energy Smart Power Supply, Redundant (2 PSU), 502W, Power Saving BIOS Setting
Fans	Redundant Multi-Speed Fans
Server Management Cards	iDRAC6 Express Server Management Card
BIOS	BIOS = 6.1.0, RAID Firmware (Perc H700 Integrated) = 12.10.3-001

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	Dell R620
Where used	S6200
Material ID	700505140
Processor Type	Intel Xeon E5-2667, 6C, 2.90 Ghz, 15M Cache, 8 GT/s, 130W TDP, Turbo 2.0, HT, Memory runs at 1600MHz Max,
# Processors	2
Memory	32 GB (8 x 4GB PC-12800 Pin-240 DDR3-1600MHz ECC RDIMM)
Raid	PERC H710, Integrated RAID Controller, 512MB Cache (RAID 5)
Disk Drives	300GB, SAS 6Gbps, 2.5-in, 10K RPM Hard Drive
# Disk Drives	3
Addl NIC's	Broadcom® NetXtreme BCM5720 Quad-Port Gigabit Ethernet ing LAN On Motherboard (LOM) card (4 NICs)
Removable Media	SATA DVD+/-RW ROM Drive – 9.5mm internal
Power Supply	Redundant (2 PSU), 750W
Fans	Redundant Multi-Speed Fans
Server Management Card	iDRAC7 Express Server Management Card
BIOS	BIOS = 2.2.2, RAID Firmware (Perc H710 Mini) = 21.2.0-0007

	Dell R620
Where used	Applications - CRS, WebPortal/AAC, CV, OCS
Material ID	700505141
Processor Type	Intel Xeon E5-2630, 6C, 2.30 Ghz, 15M Cache, 7.2 GT/s, 95W TDP, HT, DDR3-1333Mhz
# Processors	2
Memory	16 GB (8 x 2GB PC-10600 Pin-240 DDR3-1333MHz ECC RDIMM)
Raid	PERC H710, Integrated RAID Controller, 512MB Cache (RAID 1)
Disk Drives	300GB, SAS 6Gbps, 2.5-in, 10K RPM Hard Drive
# Disk Drives	2
Addl NIC's	Broadcom® NetXtreme 5720 Quad-Port Gigabit Ethernet ing LAN On Motherboard (LOM) card (4 NICs)
Removable Media	SATA DVD+/-RW ROM Drive – 9.5mm internal
Power Supply	Redundant (2 PSU), 495W
Fans	Redundant Multi-Speed Fans
Server Management Cards	iDRAC7 Express Server Management Card
BIOS	BIOS = 2.2.2, RAID Firmware (Perc H710 Mini) = 21.2.0-0007

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	Dell R630
Where used	S6200
Material ID	383544
Processor Type	Intel® Xeon® E5-2640v3 2.6 GHz 8-core Haswell
# Processors	2
Memory	32 GB (4GB RDIMM)
Raid	RAID 10, PERC H730
Disk Drives	300 GB 10 K
# Disk Drives	4
Addl NIC's	4 Gigabit Ethernet ports, plus LOM port
Removable Media	Slim line SATA DVD-RW optical drive
Power Supply	2 x 750 WAC
Fans	7 Fan modules
Server Management Card	iDRAC7 Express Server Management Card
BIOS	BIOS = 1.5.4

	Dell R630
Where used	Applications - CRS, WebPortal
Material ID	383545, 383546
Processor Type	Intel® Xeon® E5-2620v3 2.4 GHz 6-core Haswell
# Processors	2
Memory	32 GB (4GB RDIMM)
Raid	RAID 5, PERC H730
Disk Drives	300 GB 15 K
# Disk Drives	3
Addl NIC's	4 Gigabit Ethernet ports, plus LOM port
Removable Media	Slim line SATA DVD-RW optical drive
Power Supply	2 x 750 WAC
Fans	7 Fan modules
Server Management Card	iDRAC7 Express Server Management Card
BIOS	BIOS = 1.5.4

The DELL R630 is the new common server used for new installations since August of 2016.

4.3. HP Servers

	HP DL360 G7
Where used	S6200
Material ID	700501089
Processor Type	Intel Xeon X5670, 6C, 2.93Ghz, 12M Cache, 6.40GT/s, 95W TDP, Turbo, HT, Memory runs at 1333MHz Max
# Processors	2
Memory	32 GB (8 x 4GB DDR3-1333 2Rx8 LP RDIMM)
Raid	P410i w/256MB cache and battery backup
Disk Drives	300GB, SAS 6Gbps, 2.5-in, 10K RPM Hard Drive
# Disk Drives	3
Addl NIC's	4 Ports
Removable Media	DVD+/-RW, SATA, INTERNAL
Power Supply	High Output Power Supply, Redundant (2 PSU), 750W AC
Fans	Redundant Multi-Speed Fans
Server Management Cards	
BIOS	

	HP DL360 G7
Where used	Applications - CRS, WebPortal/AAC, CV, OCS
Material ID	700501093
Processor Type	Intel Xeon E5620, 4C, 2.40GHz, 12M Cache, 5.86GT/s, 80W TDP, Turbo, HT, DDR3-1066MHz
# Processors	2
Memory	12 GB (6 x 2GB DDR3-1333 2Rx8 LP RDIMM)
Raid	P410i w/256MB cache and battery backup
Disk Drives	300GB, SAS 6Gbps, 2.5-in, 10K RPM Hard Drive
# Disk Drives	3
Addl NIC's	4 Ports
Removable Media	DVD+/-RW, SATA, INTERNAL
Power Supply	Redundant (2 PSU), 460W AC
Fans	Redundant Multi-Speed Fans
Server Management Cards	
BIOS	

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5. Documentation

All documentation is available for download from the Avaya Support Website.

The guides are available as a zipped collection called, Meeting Exchange 6.2 Documentation Library.

PDF: Full Installation Guide for Meeting Exchange 6.2
PDF: Meeting Exchange 6.2 Solution Description
PDF: Meeting Exchange 6.2 Touchtone Commands (Flexflow)
PDF: Meeting Exchange 6.2 Touchtone Commands (Scan)
PDF: Conferencing using Microsoft Applications
PDF: Conferencing using IBM Lotus Applications
PDF: Conferencing using Web Applications
PDF: Quick Installation Guide for Meeting Exchange 6.2
PDF: Implementing Meeting Exchange 6.2
PDF: Operating Meeting Exchange 6.2
PDF: Using Meeting Exchange 6.2
(Available in Brazilian Portuguese, French, German, Italian, Japanese, Korean, Russian, Simplified Chinese, and Spanish)
PDF: Avaya Web Conferencing Quick Reference Guide
(Available in Brazilian Portuguese, French, German, Italian, Japanese, Korean, Russian, Simplified Chinese, and Spanish)
HTML: Meeting Exchange 6.2 Administrator Online Help
HTML: Meeting Exchange 6.2 Bridgetalk Online Help
HTML: Meeting Exchange 6.2 CRS Online Help
HTML: Meeting Exchange 6.2 CRS Reports Online Help
HTML: Meeting Exchange 6.2 Conference Viewer Administrator Online Help
HTML: Meeting Exchange 6.2 Conference Viewer User Online Help
HTML: Meeting Exchange 6.2 IBM Lotus Sametime Online Help
HTML: Meeting Exchange 6.2 Microsoft Lync Online Help
HTML: Meeting Exchange 6.2 Microsoft Outlook Online Help
HTML: Meeting Exchange 6.2 Online Help
(Available in Brazilian Portuguese, French, German, Italian, Japanese, Korean, Russian, Simplified Chinese, and Spanish)
HTML: Meeting Exchange 6.2 Self Registration Online Help
HTML: Meeting Exchange 6.2 Web Portal Administrator Online Help
HTML: Meeting Exchange 6.2 Web Portal User Online Help

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6. Installation

This patch is to be installed on top of Meeting Exchange 6.2 Service Pack 5 release.

6.1. Web Portal Template 6.2.5.0.2 Installation

To install:

To perform an upgrade from a 6.2.5 machine do as follows:

1. Install patch RPM: “mx-webportal-hotfix-1-6.2.5.0.2-1.x86_64.rpm”
2. After installation of RPM you should run the following script:
   /opt/MX_PATCH_RPMs/mx6.2.5.0.2-hotfix-1/hotfix-install.sh update

3. Reboot webportal server.
4. Verify rpm installation: “rpm -qa | grep webportal”:
   mx-webportal-hotfix-1-6.2.5.0.2-1.x86_64
   webportal-rpm-6.2.5.0.1-1.el6.noarch

To perform a rollback from 6.2.5.1 to a previous 6.2.5 system:

1. Run the following script:
   /opt/MX_PATCH_RPMs/mx6.2.5.0.2-hotfix-1/hotfix-install.sh rollback

2. Uninstall patch RPM: “rpm -e mx-bridge-patch-6.2.5.1.1-1.x86_64.rpm”
3. Reboot webportal server.
4. Verify rpm installation: “rpm -qa | grep webportal”:
   webportal-rpm-6.2.5.0.1-1.el6.noarch

6.2. CRS Patch Installation

Meeting Exchange Service Pack 5 Patch 1 does not have fixes for CRS. The customers are advised to follow Microsoft guidelines to have appropriate Windows updates installed:
https://support.microsoft.com/en-us/help/4073757/protect-your-windows-devices-against-spectre-meltdown

6.3. Bridge template 6.2.5.1.1 Installation

To install:

To perform an upgrade from a 6.2.5 machine do as follows:

1. Stop bridge service: “service mx-bridge stop”
2. Install patch RPM: “rpm -ihv mx-bridge-patch-6.2.5.1.1-1.x86_64.rpm”
3. After installation of RPM you should run the following script:
   /opt/MX_PATCH_RPMs/6.2.5.1.1/patch-install.sh update

4. Reboot bridge server.
5. Verify rpm installation: “version” command should show the following if SP5 has been installed from ISO image:
   6.2.5.0.5
   mx-bridge-patch-6.2.5.1.1-1.x86_64

To perform a rollback from 6.2.5.1 to a previous 6.2.5 system:

1. Stop bridge service: “service mx-bridge stop”
2. Run the following script:
   /opt/MX_PATCH_RPMs/6.2.5.1.1/patch-install.sh rollback

3. Uninstall patch RPM: “rpm -e mx-bridge-patch-6.2.5.1.1-1.x86_64.rpm”
4. Reboot bridge server.

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