Meeting Exchange 5.2 Service Pack 2 Release Notes

Contents

1.0   Introduction

This document lists the new functionality and known operational issues in Meeting Exchange 5.2 service pack 2 (SP2). 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   Software Versions

Suite: Meeting Exchange

Version: 5.2 SP2

Product Name	Release Version	Patch Version
S6200	5.2.2.0.10	5.2.2.3.1
Bridge Talk	5.2.2.0.9	
Client Registration Server (CRS)	5.2.2.0.12	5.2.2.1.1
Web Portal and Avaya Audio Console (WP/AAC)	5.2.2.0.10	
Outlook Conference Scheduler	5.2.2.1002	
SOAP Adapter	5.2.2.0.2	
AWC	5.2.2.0.3	
Conference Viewer	5.2.0.0.10	
IBM Notes Conference Scheduler	5.2.0.1.2	
MSAdapter	5.2.0.1.1	
OCSAdapter	5.2.1.0.6	

1.2   Capacities and Specifications

The following system requirements cover this release

Hardware	**Supported Servers**
	     Refer to Section 5 for detailed server specifications.
	     New installations will only be supported on the IBM 3550 and the Dell R610.

Codec's	G.711, G.729, G.726, G.722 and iLBC (Refer to the Restrictions section below). G.711 is the only codec supported on the DELL 1950.

Capacities	**S6200**				

S6200

Codec	S6200		Pyramid	
	Port Capacity	Max Conference Size	Port Capacity	Max Conference Size
G.711	3200	3200	4000	4000
G.729	400	400	4000	4000
G.726	900	900	4000	4000
G.722	550	550	4000	4000
iLBC	350	350	4000	4000

Recording: 800 concurrent recording sessions are supported on both a single server S6200 and a S6200 Distributed system
Total recording time available on the Dell R610 and IBM x3550 is 2430 hours.
For wideband codec's such as G.722, conferences are recorded with 32K/sec writes, thereby halving the capacity to 1215 hours.

BT Concurrent Connections: 70 concurrent BT connections are supported using the default SSL communication method.

(Refer to the Restrictions section below).

NFS capacity
Capacity depends on the disk space available on the customers NFS server. Using a mount to external NFS server this feature can provide support for 3000 conference recordings; for example:3000 conferences open with 3000 concurrent recordings .

Calls Per Second

S6200

Call Flow	NRP	DRP	Calls/Sec
Scan	-	-	30
Scan	Yes	-	25
Scan	-	Yes	20
Scan	Yes	Yes	20
Flex	-	-	25
Flex	Yes	-	20
Flex	-	Yes	16
Flex	Yes	Yes	16
Direct	-	-	50

Pyramid

Call Flow	NRP	DRP	Calls/Sec
Scan	-	-	30
Scan	Yes	-	25
Scan	-	Yes	20
Scan	Yes	Yes	20
Flex	-	-	25
Flex	Yes	-	20
Flex	-	Yes	16
Flex	Yes	Yes	16
Direct	-	-	50

(Refer to the Restrictions section below).

Operating System

S6200
 RHEL4 Update 6
 Core Services 3.2.1

	Desktop Clients Microsoft Windows XP Professional SP3 Windows 7 Professional Edition 32-bit **Server** Windows Server 2003 Standard Edition R2 SP2
Database	Microsoft SQL 2005 Standard Edition SP3 PostgresSQL (S6200) Version 8.1.4
Browsers	Microsoft IE7 and IE8. Firefox 3.x (Note: Conference Viewer is not supported on Firefox).
Interoperability	• Avaya Communication Manager 5.2.1 Service Pack 8 • Avaya Communication Manager 6.0.1 Service Pack 2 • Avaya Session Manager 6.1 SP1
3rd Party Support	• IBM Lotus Notes 8.5.1 • IBM Domino Server 8.5.1 • Microsoft Live Meeting 2007, OCS 2007 R2 • Doubletake 5.1.1.1136.11 • Microsoft Outlook 2003 and 2007 • Microsoft Excel 2003 and 2007 (CRS & WebPortal reports) • McAfee Enterprise 8.5 or Symantec Corporate 11.0 (CRS) • Adobe Connect integration is supported by Adobe and not Avaya, contact you Adobe representative for details • Bridge Talk JRE - In order not to force customers to use a particular version of the Java Virtual Machine, the installer has changed to allow any version 1.6 JRE to be used. Note: The JRE is not bundled with the BT release, and it is now the responsibility of the customer to install a JRE. The JRE version selected for test purposes was: 1.6.0_24-b07

1.3   Web Conferencing enhancements

1.3.1   Attendee-controlled scaling of shared applications

With Web Conferencing (AWC) Attendees can now scale down their view of shared applications. This means that even if the application is too large to fit within their desktop in native resolution, Attendees can scale the view down and so eliminate the need to repeatedly scroll around the application to see what is happening. This function has become increasingly important as monitors have become larger and have higher resolutions.

The scaling function uses image re-sampling to maintain the readability of text even under relatively high scaling factors. Applications can be scaled by both Java Attendees/Presenters and Javascript (thin client) Attendees.

1.3.2   Presenter control of the Attendee desktop area

This new function gives the Presenter a large amount of control over what the Attendee sees. There are three new categories of Presenter control.

Choice of which of the video, discussion and participant panes are visible by Attendees. Buttons in the header of each pane, and new options in the View menu, allow the Presenter to hide and show the panes on demand. As each pane is added/removed then the workspace dynamically reconfigures (resizing the panes or removing the left frame completely) to optimize the layout.
Synchronizing Attendee scaling to match the scaling in use by the Presenter
Rather than hand-hold Attendees to change their own scaling options, the Presenter

can use options in the View menu to choose the optimal scaling to fit their presentation and then use "Synchronize Attendee Scaling" to cause all Attendees to adopt the same scaling strategy.

Maximizing the Attendee Workspace

This is another new View option that allows the Presenter to push Attendees in and out of full-screen mode at will. In full-screen mode Attendees see only the contents of the slide, shared application or whiteboard and nothing else. This is useful for meetings which switch between a more formally presented mode and a chat/Q&A or other ad-hoc style of meeting.

1.3.3   Simple file sharing

AWC provides a simple file sharing mechanism, where any Presenter can upload one or more files into the meeting which can then be downloaded by Attendees. Notification of uploaded files is provided by a clickable link that is inserted into the discussion area. Clicking on the link pops up the standard browser "open/save" dialog allowing the user to choose what to do with the file (and applying the PC or Mac's standard security checks to protect against downloading/opening certain types of files).

2.0   Restrictions

2.1   Functionality/Features Not Supported

The following areas currently have restrictions. Contact your Avaya support representative before using.

Area	Comments
Video	Not supported in 5.2 SP2.
Booking recurring Conferences with Outlook and Notes plug-ins	Recurring Conferences are not supported for UC Integration clients.
Upgrades	The following is the only bridge upgrade path supported: 5.2 SP1 (plus latest patch 5.2.1.34.1) to 5.2 SP2.
SRTP	SRTP is not supported in a shuffled environment [Example: Direct IP-IP=Y on the corresponding CM signalling group].

3.0   Resolved Issues

WI Number	Product Area	Description/Workaround
wi00830010	ACPI	ACPI should reject line name modification requests where name length > 20 chars
wi00591271	AWC	Long text strings do not wrap in AWC discussion window
wi00373250	AWC	Excessive Logging in Event viewer when conferences close on bridges
wi00383731	AWC	AWC Conference records written to data_event database in GMT
wi00374297	AWC	User with %2 in name in AWC login page causes Desktop sharing "%" is reserved special character for authenticator, user should NOT use it as part of user name, otherwise will cause authentication failure.
wi00383739	AWC	AWC is writing excessive logging for the CTCCall logs
Wi00376420	AWC	Stopping AWC recording could cause AWC to crash
wi00410071	BridgeTalk	Music M2 to M4 is not selectable in Bridgetalk conference details.
wi00861495	BridgeTalk	Status Bar not updating when DNIS filter is enabled
wi00730195	CRS	import utility fails after reboot
wi00383614	CRS	Multisite site Links are not always being created
wi00383618	CRS	Multisite site Lecture mode gets turned off on remote sites when 3rd site opens with Participant
wi00411246	CRS	SQL 2005 SP3, has caused problems with maintenance plans for MULTISITE systems
wi00729613	CRS	p_cspi_EditBook is causing locking hint errors.
wi00385918	CRS	CPSI Daily Repeat Booking - Today's conference not being booked in the sequence
wi00400501	CRS	CSPI only supports 8 char passwords rest of product support 20
wi00821658	CRS	when a scheduled CSPI conference is modified and the start or end time lands on midnight, it breaks the conference.
wi00829384	CRS	p_cspi_DeleteReservation not documented in cspi manual
wi00374792	Multisite	Global Conferences Music does not turn off.

wi00384342	Multisite	Multisite Moderator opens second site Lecture never turns on
wi00384353	Multisite	Multisite Moderator 3rd site turns Lecture off globally
wi00384369	Multisite	Soft-mute gets turned back on for lines when Security is turned on
wi00384914	Multisite	Lecture does not always turn on for Global Conference
wi00574767	Multisite	MSE does not send CONF_OPEN on 2nd CONF_OPEN from MX.
wi00846761	Multisite	duplicate MSE link lines
wi00861654	Multisite	MSE sending a MMH at CONF_OPEN, creating increased traffic
wi00861015	Bridge	Lines left in pending queue / not making it to conference
wi00829786	Bridge	- Window of time when secondary application server takes over and should not using referencehost feature
wi00463117	Bridge	AutoCDR shows Mod = Y for everyone including parts
wi00564021	Bridge	*96 toggle not documented properly
wi00864368	Bridge	fails to connect call when no sdp is provided in SIP Invite.
wi00463051	Bridge	Conf Scheduler Timeout set to HANG-UP but goes to ENTER when voice message config is MESSAGE
wi00463051	Bridge	Conf Scheduler Timeout set to HANG-UP but goes to ENTER when voice message config is MESSAGE
wi00691736	Bridge	CoDR bridge name line misaligned in codr file when "Bridge Name in CDR" feature enabled
wi00691736	Bridge	CoDR bridge name line misaligned in codr file when "Bridge Name in CDR" feature enabled
wi00428332	Bridge	Callers hearing intermantant no-audio
wi00868397	Bridge	415 response from bridge not releasing channels
wi00331183	Bridge	DTMF pass-through feature not working with SIP RE-INVITES
wi00382199	Bridge	Operator path not dialing out from the timing out with 408 error.
wi00382288	Bridge	Participants in global calls dialing into different regional bridges they cannot hear each other over the Link Line.
wi00387468	Bridge	Outgoing MX audio is intermittently garbled
wi00410053	Bridge	- Media Attribute being set to "inactive" randomly when call being shuffled between media servers
wi00411195	Bridge	MX Bridge full does not return busy
wi00428328	Bridge	Sipagent crash on standby b2bua server
wi00429112	Bridge	Clipping in conference when low (-25DB) audio participant is talking
wi00728646	Bridge	sipagent cores when IP Connectivity is lost between a calling (CM) system and the bridge5.
wi00728653	Bridge	Hung VLLs' are being shown in Pending Q on initiator bridge for link lines
wi00774962	Bridge	- Audio path lost after taking call off hold with Cisco
wi00853290	Bridge	- softms cores when caller in playback listens to conference that is currently being recorded
wi00319709	Bridge	If NFS service unavailable pyramid system will no longer accept calls
wi00388094	Bridge	- Excessive logging due to MX-Monitor / Proxy Registration
wi00730388	Bridge	Primary system disk errors
wi00846701	Bridge	- Wrong NRP name played into conference when incoming

		caller placed into conference by operator
wi00461810	Bridge	Conferences booked with Mute All feature, incoming caller mutes all normal callers despite moderator doing *96
wi00377494	Bridge	Multisite call Bridge Side MuteAll messsage 9384) is played on both nodes causing "repeat" messages
wi00384366	Bridge	mute all not playing line muted for first caller to spoke multisite conference
wi00407023	Bridge	softms cores when call changes from G711 to G729 on a re-invite
wi00731425	Bridge	Linking Lines is having no audio
wi00844993	Bridge	Modapi is sending annun updates to MSE, causing excessive messages
wi00461803	Bridge	Single Person Disconnect Message played on Linking Line
wi00400550	Bridge	OPTIONS polling of entries in telnumToUri.tab does not work if sipsource=crs
wi00845229	Bridge	Unable to play the amount of participants when 1200 participants is exceeded
wi00873299	Bridge	Participatn.sendDTMFcommand that appends digits is causing modapi disconnection
wi00372890	Web Portal/ Audio Console	- Audio Console locks up when sorting users
wi00830402	Web Portal/ Audio Console	- Ticking / Unticking callers on audio console does not always work
wi00386431	Web Portal/ Audio Console	Modify in-prog demand conference forces demand conference end time to @Now.
wi00407669	Web Portal/ Audio Console	WP sends 2 messages any time a user hits the Webpage prior to login
wi00817094	Outlook	Default Subject Line inserted by Outlook scheduler > 50 characters

4.0   Known Issues and Workarounds

This section describes any know issues and workarounds with the release

WI Number	Product Area	Description/Workaround
wi00875160	AWC	The subject of recording email is in wrong field
wi00830426	AWC	AWC Playback does not work on windows 7 and media player 12
wi00882192	AWC	Multi-cabinet - AWC can only support up to 2 conferencing bridges.
wi00868532	BridgeTalk	allowConfToolBarFocus setting in template.xml does not work.
wi00827223	CRS	demand timed conference fails if scheduled booking is on bridge prior to.
wi00865888	CRS	Co chair conferences are not propagated to the remote sites in a MultiSite environment.
wi00860998	CRS	Block Dialout does not work with DSCA / WP Demand conf creation.
wi00842094	CRS	Conference Recording Playback numbers are not variable in Multicabinet Enviroment
wi00840839	CRS	DST & GMT+ (Syndey) does not calculate correctly when booking conference
wi00830176	CRS	CSPI edit S700 fails when repeat conf has

		conference in past.
wi00399309	CRS	CSPI is not pushing NRP annunciator field down to the bridge DB
wi00399364	CRS	CSPI is not pushing Blast annunciator field down to the bridge DB
wi00347570	CRS	pg_cspi_GetPostCDR Conf has performance issues.
wi00362873	CRS	Day in week repeat booking using CSPI's show day as ??? in crs Front end
wi00847101	CRS	If dial list name has a space in it, it creates schapi error and does not push conference to bridge
wi00463052	CRS	Flex flow conferences are failing to be booked properly on the bridge when booked through the CRS.
wi00871976	CRS	excel reports report utilization reporting based on booked cab ref vs used cab ref.
wi00832232	CRS	CreateBillCallout times out when data is great than a small amount of data
wi00371405	CRS	Scmanager / CRS introduces pass code conflicts due to scheduler retention lengths on the 6200.
wi00377263	Multisite	Multisite Engine does not log events in Operator Logs for all DTMF events
wi00873301	Bridge	- Participatn.sendDTMFcommand that appends digits is causing modapi disconnection
wi00411574	Bridge	Issue with *7 secure toggle
wi00860173	Bridge	when using Bridgetalk for Operator Q&A there are messages that are missing from the logs.
wi00872417	Bridge	Link Num not stored in the CDRs
wi00873880	Bridge	Importing call branding table fails
wi00829745	Bridge	Session version is not incremented in SDP o= line when m= lines are modified (Note: On 5.2 SP2, the audio issue described in the WI has been fixed, however RFC 3264 is not completely adhered to correctly)
wi00868970	Bridge	- Accessing callers in enter queue during message 208 results in half duplex / no message 208 for other callers
wi00877331	Bridge	- Conference Listen / Line Listen introduces noise when listening to line on a different codec
wi00850411	Bridge	No voice in conference when G726 codec is used. The issue has been observed with the following phones models 9630, 9640, 9650. It did not occur with 1XC and phone models 9621, 9641.
wi00400277	Bridge	OPTIONS message still sent to far-end host after route is removed from telnumToUri.tab
wi00325679	Bridge	Early media not being used by 6200 resulting in dead air when making an outgoing call
wi00700914	Bridge	SRTP - No audio in conference when calls are shuffled on the CM.
wi00599742	Bridge	DTMF is not detected the same as on S700.
wi00388696	Bridge	- Failover to secondary URI in telnumToUri.tab does not occur
wi00874994	Bridge	softms core dumps when plays wav message with

		invalid header
wi00342177	Bridge	AGC does not increase volume of low talkers
wi00463109	Bridge	- G729 with ptime in SDP set to 60 ms - results in no audio
wi00866991	Bridge	Misconfigured telnumtouri will cause bridgeTranslator to core
wi00461489	Bridge	One way audio after hearing the greeting and putting in the passcodes
wi00888199	Bridge	If there is an attempt to start recording while the external NFS service is unavailable, the bridge will play a prompt stating recording has started followed one minute later by a prompt stating recording has stopped. There will be no recording file generated.
wi00350538	Notes Conference Scheduler	Change in conference level does not update the invitation description.
wi00348066	OCS	When last participant in Live Meeting conference hangs up conference on the bridge ends. The participant is still seen in the Roster list.
wi00433677	OCS	OCSAdapter does not run on 62 bit Win Server Operating System
wi00433668	OCS	When a Participant is dial from Browser GUI, call is placed in conf on mute, but this is not displayed on the GUI
wi00373660	OCS	Log File Path location on OCS Adapter server cannot be changed.
wi00877563	Outlook	Failed to book a scheduled conference if 'Participant Identifier' option is selected as 'Identified'
wi00877537	Outlook	Failed to schedule audio conference with error "The operation has timed out".
wi00276551	Outlook	Drag and drop an appointment, time in appointment subject does not change
wi00877493	Outlook	No "Join Conference" button displayed for on-demand conference invitation if new location defined.
wi00877513	Outlook	Conference Scheduler Plug-in displays 2 Join Conference buttons.
wi00275710	Web Portal/ Audio Console	IE 6 & 7 Audio Console, when quantity of callers is over 10, scroll bar moves extremely slow
wi00841179	Web Portal/ Audio Console	165221 Audio console does not open properly if pins & sub-conf mode is in use
wi00849410	Web Portal/ Audio Console	- My Recordings cannot be accessed for scheduled conferences in the past
wi00348553	Web Portal/ Audio Console	Meeting organizer could not save the appointment in their outlook 2007 calendar
wi00868429	Web Portal/ Audio Console	- Auto Extend and Auto duration values not carried forward when correcting a webportal booking.
wi00338920	Web Portal/ Audio Console	- Calendar Invite (create appointment) shows correct conference time zone off set but incorrect time zone name in Outlook 2007 for repeating conferences
wi00730744	Web Portal/ Audio Console	mx web_monitor does not work with SSL
wi00462679	Web Portal/ Audio Console	No users are able to log into the web portal if the last person that the DSCA processed is disabled.

5.0   Server Specifications

General Note: Hyper-threading must be disabled in the BIOS for the IBM x3550 and Dell R610 (called logical processor on the Dell R610) when servers are used as a bridge (i.e. 6200, Pyramid APP and MS).
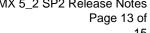
DELL R610

Application	Meeting Exchange S6200, Pyramid AS and MS
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 6i
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	High Output Power Supply, Redundant (2 PSU), 717W, Performance BIOS Setting
Fans	Redundant Multi-Speed Fans
Server Management Cards	iDRAC6 Express Server Management Card

Application	CRS, Web Portal, OCS, CV, AWC Master and AWC Playback
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

IBM x3550/x3650

Application	Meeting Exchange S6200, Pyramid AS and MS
Make/Model	IBM X3550 M2
Processor	Two x Quad Core Intel® Xeon Processor X5570 4C (2.93GHz 8MB L3 Cache 1333MHz 95w)
Memory	8 GB (4 x 2GB DDR3-1333 2Rx8 LP RDIMM)
Bezel	AVAYA BEZEL

Raid	RAID 5 - MR10i Integrated RAID Controller.
Disk Drives	3 x 146GB SAS 2.5" 10K RPM 6G DP Hard Drive.
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

Application	CRS, Web Portal, OCS, CV, AWC Master and AWC Playback
Make/Model	IBM X3550 M2
Processor	Two x Quad Core Intel® Xeon Processor X5520 4C (2.26GHz 8MB L3 Cache 1066MHz 80w)
Memory	8 GB (4 x 2GB DDR3-1333 2Rx8 LP RDIMM)
Bezel	AVAYA BEZEL
Raid	RAID 5 - MR10i Integrated RAID Controller.
Disk Drives	3 x 146GB SAS 2.5" 10K RPM 6G DP Hard Drive.
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

Application	AWC Recording
Make/Model	IBM X3650 M2
Processor	One x Quad Core Intel® Xeon Processor X5520 4C (2.26GHz 8MB L3 Cache 1066MHz 80w)
Memory	4 GB (2 x 2GB DDR3-1333 2Rx8 LP RDIMM)
Bezel	AVAYA BEZEL
Raid	RAID 5 - MR10i Integrated RAID Controller.
Disk Drives	3 x 146GB SAS 2.5" 10K RPM 6G DP Hard Drive.
Addl NIC's	None
Removable Media	DVD-R/W SATA slimline
Power Supply	2 x 675W 12V Hotplug AC power supply.
Fans	Redundant Multi-Speed Fans

DELL 1950 / HP DL385 (Existing customers only).

Application	Meeting Exchange S6200, Pyramid AS and MS
Model	Dell 1950 v3
Processor	Two Quad Core Intel® Xeon® E5440, 2x6MB Cache, 2.83GHz, 1333MHz FSB
Memory	4 GBytes – 4 x 1 GB dual ranked FB DIMMs (667 Mhz).
Bezel	Avaya Bezel
HW Raid 1	PERC 6/i Integrated RAID controller. Supports SAS & SATA
Slot	Two full height half length PCI-E slots (2x8 lane). PCI-E Riser.
Disk Drive	Two 250GB SATA Enterprise Level 3.5" Hot Plug Hard Drives
Addl Nic	Intel® PRO 1000PT Dual Port Server Adapter, Gigabit NIC, Cu, PCIe x4
Rmv Media	8x DVD-ROM
Power Supply	Two Hot-plug Power Supplies for Redundancy
Fans	Redundant Multi-Speed Fans

Application	CRS, Web Portal and CV
Model	Dell 1950 v3

Processor	One Quad Core Intel® Xeon® E5440, 2x6MB Cache, 2.83GHz, 1333MHz FSB
Memory	4 GBytes – 4 x 1 GB dual ranked FB DIMMs (667 Mhz).
Bezel	Avaya Bezel
HW Raid 1	PERC 6/i Integrated RAID controller. Supports SAS & SATA
Slot	Two full height half length PCI-E slots (2x8 lane). PCI-E Riser.
Disk Drive	Two 250GB SATA Enterprise Level 3.5" Hot Plug Hard Drives
Addl Nic	(none)
Rmv Media	8x DVD-ROM
Power Supply	Two Hot-plug Power Supplies for Redundancy
Fans	Redundant Multi-Speed Fans

Application	AWC Master
Model	Dell 1950 v3
Processor	One Quad Core Intel® Xeon® E5440, 2x6MB Cache, 2.83GHz, 1333MHz FSB
Memory	4 GBytes – 4 x 1 GB dual ranked FB DIMMs (667 Mhz).
Bezel	Avaya Bezel
HW Raid 1	PERC 6/i Integrated RAID controller. Supports SAS & SATA
Slot	Two full height half length PCI-E slots (2x8 lane). PCI-E Riser.
Disk Drive	Two 250GB SATA Enterprise Level 3.5" Hot Plug Hard Drives
Addl Nic	(none)
Rmv Media	8x DVD-ROM
Power Supply	Two Hot-plug Power Supplies for Redundancy
Fans	Redundant Multi-Speed Fans

Application	AWC Recordings Server
Model	HP DL385 G5, 2U Chassis. Dual socket capable
Processor	One AMD Opteron 2352 Quad Core, 2.1GHZ, 4MB L2 + L3 Cache
Memory	4 GB (2x2 GB of 2:1 interleaved PC2-5300 DIMMs (DDR2-667) with Advanced ECC capabilities.
Bezel	Avaya Bezel
HW RAID 5	Smart Array P400 Raid controller with battery backup and 512Mb cache.
Hot Plug Backplane	Eight Small Form Factor hot plug hard drives bays included in base unit.
Slot	2xPCI-x / 1xPCI-e full-size Riser Cage option kit
Disk Drive	3 x 146GB SAS 2.5" 10K RPM.
Addl Nic	Two embedded NC373i Multifunction Gigabit Network Adapters (with TCP/IP Offload Engine).
Rmv Media	DVD-ROM 8X 5.25 " internal
Video	Integrated ATI ES1000, 32MB video standard
Power Supply	Redundant hot plug AC power supply (1+1 redundancy).
Fans	N+1 Hot Plug Fully Redundant Fans Standard (included in base unit).

6.0   Upgrade Requirements

When upgrading the bridge from 5.2 SP1 to 5.2 SP2, refer to chapter 20 of the *Administering Meeting Exchange™ 5.2 Service Pack 2 Servers* guide.
http://support.avaya.com

7.0   Related documentation

Compas ID	Details