



Avaya Solution & Interoperability Test Lab

Application Notes for Configuring Avaya Meeting Exchange Express 2.0 with Avaya Aura™ Session Manager R5.2 – Issue 1.0

Abstract

These Application Notes present a sample configuration for interoperability between Avaya Meeting Exchange Express and Avaya Aura™ Session Manager. The Avaya Meeting Exchange Express is a standalone single server SIP audio conference solution. A SIP trunk was configured between the Avaya Meeting Exchange Express and Avaya Aura™ Session Manager. The compliance testing covered access to the conferencing services provided by Avaya Meeting Exchange Express. Testing was conducted at the Avaya Solution and Interoperability Test Lab.

1. Introduction

These Application Notes describe the sample configuration steps required for interoperability between the Avaya Meeting Exchange Express 2.0 Conference Bridge and Avaya Aura™ Session Manager 5.2. The test cases focused on conferencing features which are available via the Telephone User Interface (TUI). Both In-Band and Out-Of-Band DTMF were verified during TUI menu access. All calls to and from Avaya Meeting Exchange Express are routed via the SIP trunk from Avaya Aura™ Session Manager.

Avaya Meeting Exchange Express 2.0 with Avaya Aura™ Session Manager 5.2

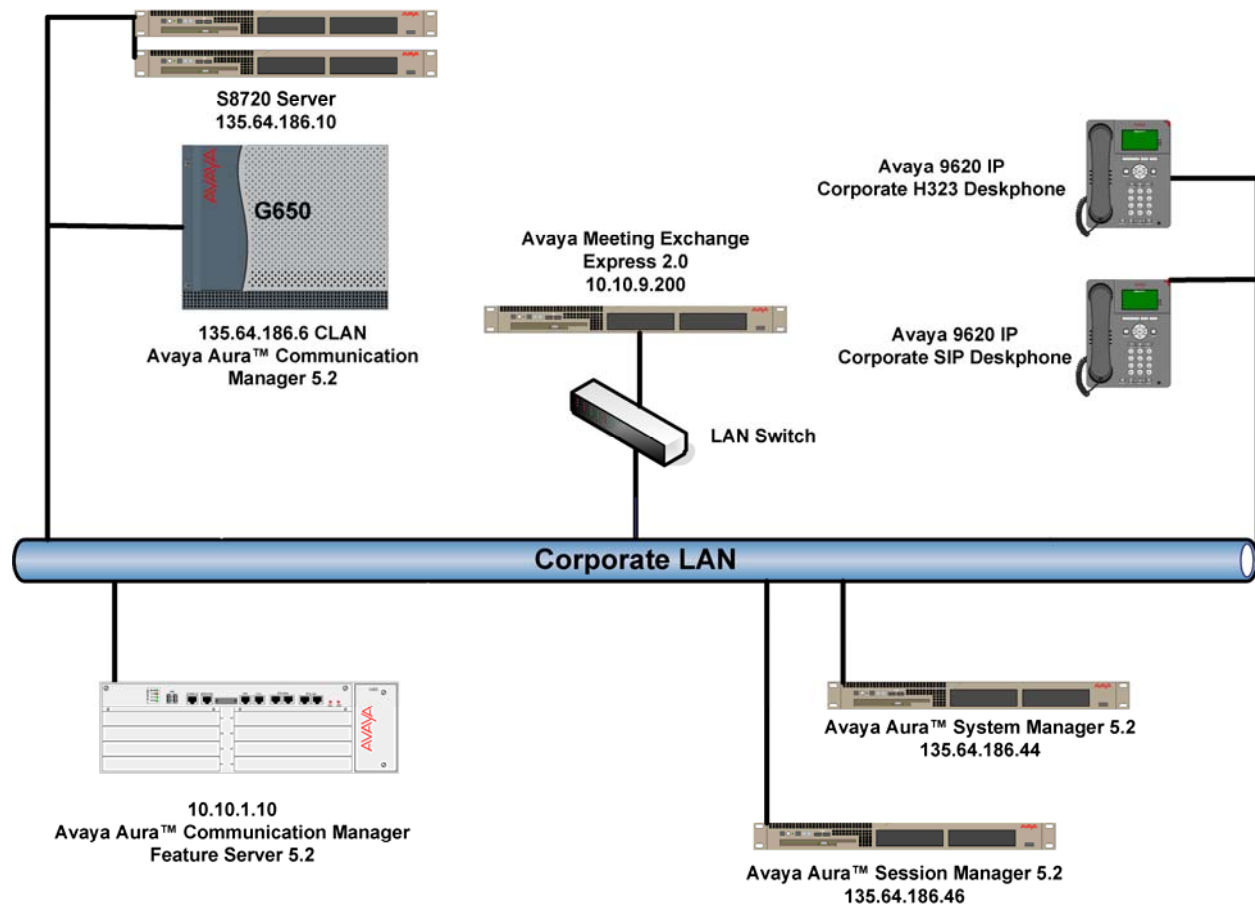


Figure 1: Avaya Meeting Exchange Express and Avaya Aura™ Session Manager

2. Equipment and Software Validated

The following equipment and software were used for the sample configuration provided:

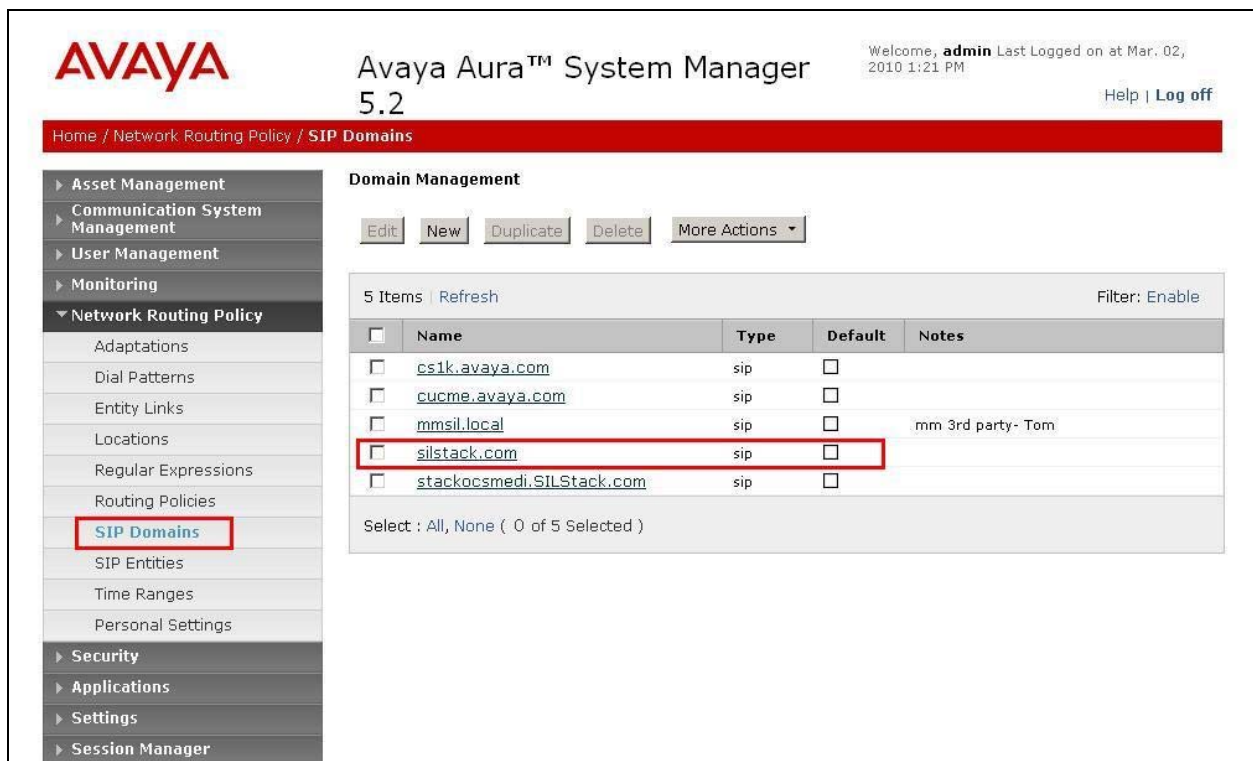
Equipment	Software
Avaya S6100 Server	Avaya Meeting Exchange Express 2.0 (3.0.0.36)
Avaya S8720 Server	Avaya Aura™ Communication Manager Access Element 5.2.1 SP1 02.1.016.4-18111
Avaya G650 Media Gateway	<ul style="list-style-type: none">• TN2312BP HW15 FW049• TN2602AP HW08 FW049• TN799DP HW01 FW034
Avaya S8510 Server	Avaya Aura™ System Manager R5.2 5.2.7.0 SP 1.1.0.0.8
Avaya S8510 Server	Avaya Aura™ Session Manager R5.2 5.2.0.1.520017 SP0
Avaya Telephones 9620 SIP 9650 H.323 2420 Digital	R2.6.2.8 R3.1 NA

3. Configure Avaya Aura™ Session Manager

This section details the configuration set-up of Session Manager (SM). Session Manager manages all SIP communications between configured SIP Entities, detailed later in this section. It also manages registration and control of Avaya SIP endpoints using Communication Manager Feature Server. Configuration is accomplished by accessing the browser-based GUI of System Manager, using the URL **http://<ip-address>/SMGR** where <ip-address> is the IP address of System Manager. Refer to **Section 8 Reference [1]**.

3.1.1. Configure SIP Domain

SIP domains are created as part of the basic configuration. There will be at least one SIP domain for which SM is the authoritative SIP controller. In these sample notes **silstack.com** was used as the main domain. Session Manager can also deal with traffic from other domains, hence the multiple SIP domain entries listed in the image below.



Avaya Aura™ System Manager 5.2

Welcome, **admin** Last Logged on at Mar. 02, 2010 1:21 PM [Help](#) | [Log off](#)

Home / Network Routing Policy / **SIP Domains**

Domain Management

[Edit](#) [New](#) [Duplicate](#) [Delete](#) [More Actions](#)

5 Items | [Refresh](#) Filter: [Enable](#)

<input type="checkbox"/>	Name	Type	Default	Notes
<input type="checkbox"/>	cs1k.avaya.com	sip	<input type="checkbox"/>	
<input type="checkbox"/>	cucme.avaya.com	sip	<input type="checkbox"/>	
<input type="checkbox"/>	mmsil.local	sip	<input type="checkbox"/>	mms 3rd party- Tom
<input type="checkbox"/>	silstack.com	sip	<input type="checkbox"/>	
<input type="checkbox"/>	stackocsmmedi.SILStack.com	sip	<input type="checkbox"/>	

Select : All, None (0 of 5 Selected)

To create a new SIP Domain, expand **Network Routing Policy** → **SIP Domains**. Click **New**. Under **Name** add a descriptive name. Select **sip** from the **Type** drop down box. Under **Notes**, add a brief description. Click **Commit** to save.

AVAYA Avaya Aura™ System Manager 5.2
Welcome, **admin** Last Logged on at Mar. 02, 2010 6:51 PM [Help](#) | [Log off](#)

Home / Network Routing Policy / SIP Domains

Domain Management [Commit](#) [Cancel](#)

1 Item | [Refresh](#) Filter: [Enable](#)

Name	Type	Default	Notes
* DomainName	sip	<input type="checkbox"/>	SIP Domain Name

* Input Required [Commit](#) [Cancel](#)

3.1.2. Configure Locations

Locations are used to identify logical and/or physical locations where SIP Entities reside, for purposes of bandwidth management or location-based routing. For this sample configuration, a common location was used for all Avaya equipment

AVAYA Avaya Aura™ System Manager 5.2

Welcome, **admin** Last Logged on at May 12, 2010 3:00 PM [Help](#) | [Log off](#)

Home / Network Routing Policy / Locations

Location

[Edit](#) [New](#) [Duplicate](#) [Delete](#) [More Actions](#) [Commit](#)

8 Items [Refresh](#) Filter: Enable

<input type="checkbox"/>	Name	Notes
<input type="checkbox"/>	Avaya	Lab. Test Domain. SILStack Domain
<input type="checkbox"/>	CUCME	
<input type="checkbox"/>	Interop-CME-7_1	
<input type="checkbox"/>	Interop-MX	
<input type="checkbox"/>	IPOffice	
<input type="checkbox"/>	Nortel	
<input type="checkbox"/>	SiemensHiPath	HiPath 4000
<input type="checkbox"/>	Stack Enterprise	Main Office for Stack Testing

Select : All, None (0 of 8 Selected)

To create a **Location**, expand **Network Routing Policy** → **Locations**. Click **New**. In the **General** section, under **Name** add a descriptive name. Under **Notes** add a brief description. In the **Location Pattern** section select **Add**, under **IP Address Pattern**, enter an IP address pattern used to logically identify the location. Under **Notes** add a brief description. Click **Commit** to save.

AVAYA Avaya Aura™ System Manager 5.2

Welcome, **admin** Last Logged on at Mar. 03, 2010 10:27 AM [Help](#) | [Log off](#)

Home / Network Routing Policy / Locations / **Location Details**

Location Details [Commit](#) [Cancel](#)

General

* **Name:**

Notes:

Managed Bandwidth:

* **Average Bandwidth per Call:**

* **Time to Live (secs):**

Location Pattern

[Add](#) [Remove](#)

1 Item [Refresh](#) [Filter: Enable](#)

<input type="checkbox"/>	IP Address Pattern	Notes
<input type="checkbox"/>	<input type="text" value="X.X.X.X"/>	<input type="text" value="IP Address Range Associate with Location"/>

Select : All, None (0 of 1 Selected)

* **Input Required** [Commit](#) [Cancel](#)

3.1.3. Configure SIP Entity

Each SIP device (other than registering devices such as Avaya SIP Phones) that communicates with SM requires a SIP Entity configuration. This section details the steps to create SIP Entities for connection to the Meeting Exchange Express (MXE). Expand **Network Routing Policy** and select **SIP Entities**. Click **New**. In the **General** section, under **Name** add a descriptive name e.g. **MXExpress**. Under **FQDN or IP Address** add the IP Address of the MXE server. From the **Type** drop down box, select **SIP Trunk**. Under **Notes** add a brief description. From the **Location** drop down box, select the appropriate location. From the **Time Zone** drop down box, select the appropriate TZ. From the **SIP Link Monitoring** drop down box select **Link Monitoring Disabled**. Click **Commit** to save.

The screenshot displays the 'SIP Entity Details' configuration window. On the left is a navigation pane with a tree structure. The 'Network Routing Policy' section is expanded, and 'SIP Entities' is selected. The main area is titled 'SIP Entity Details' and has a 'Commit' button in the top right. The 'General' tab is active, showing fields for: * Name (MXExpress), * FQDN or IP Address (10.10.9.200), Type (SIP Trunk), Notes (MXExpress), Adaptation (empty), Location (Avaya), and Time Zone (Europe/Dublin). There is an unchecked checkbox for 'Override Port & Transport with DNS SRV:'. Below this are fields for * SIP Timer B/F (in seconds) (4), Credential name (empty), and Call Detail Recording (egress). The 'SIP Link Monitoring' section is also visible, with a dropdown for 'SIP Link Monitoring' set to 'Link Monitoring Disabled'. Below this are fields for * Proactive Monitoring Interval (in seconds) (900), * Reactive Monitoring Interval (in seconds) (120), and * Number of Retries (1).

SIP Entity Details Commit Cancel

General

* Name: MXExpress

* FQDN or IP Address: 10.10.9.200

Type: SIP Trunk

Notes: MXExpress

Adaptation:

Location: Avaya

Time Zone: Europe/Dublin

Override Port & Transport with DNS SRV: ☐

* SIP Timer B/F (in seconds): 4

Credential name:

Call Detail Recording: egress

SIP Link Monitoring

SIP Link Monitoring: Link Monitoring Disabled

* Proactive Monitoring Interval (in seconds): 900

* Reactive Monitoring Interval (in seconds): 120

* Number of Retries: 1

3.1.4. Configure SIP Entity Links

The next step is to create SIP Entity Links, which include the transport parameters to be used for communications between the SM and external SIP devices. Create a SIP Entity Link for MXE. Expand **Network Routing Policy** → **Entity Links**. Click **New**. Under **Name** enter a suitable identifier e.g. **MXExpress**. Under **SIP Entity 1** drop-down menu select the appropriate SM Entity. Under **Protocol** drop-down menu select **TCP**. Under **Port** enter **5060**. Under **SIP Entity 2** drop-down menu select the SIP Entity added previously, **MXExpress**. (Next fields not shown in screenshot). Under **Port** enter **5060**. Set **Trusted** as ticked. Under **Notes** add a brief description. Click **Commit** to save.

Note: Some of the parameters are not visible in the screenshot below.

AVAYA Avaya Aura™ System Manager 5.2

Welcome, admin Last Logged on at May 14, 2010 11:13 AM Help | Log off

Home / Network Routing Policy / Entity Links

Entity Links

Commit Cancel

1 Item | Refresh Filter: Enable

Name	SIP Entity 1	Protocol	Port	SIP Entity 2
* MXExpress	* SessionManager	TCP	* 5060	* MXExpress

* Input Required

Commit Cancel

3.1.5. Configure Routing Policy

Create a Routing Policy to route traffic to MXE. Expand **Network Routing Policy**. Select **Routing Policies**. Click **New**. Under **Name** enter a suitable identifier. Under **Notes** enter a suitable description. Under **SIP Entity as Destination** click on **Select**. Choose the appropriate SIP Entity that is to be the call destination. Click **Commit** to save.

Routing Policy Details Commit Cancel

General

* Name:

Disabled: ☐

Notes:

SIP Entity as Destination

Select

Name	FQDN or IP Address	Type	Notes
MXExpress	10.10.9.200	SIP Trunk	MXExpress

Time of Day

Add Remove View Gaps/Overlaps

1 Item | Refresh Filter: Enable

<input type="checkbox"/>	Ranking 1 ▲	Name 2 ▲	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Start Time	End Time	Note
<input type="checkbox"/>	0	24/7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00:00	23:59	Time Range 24/7

Select : All, None (0 of 1 Selected)

3.1.6. Configure Dial Pattern

As one of its main functions, SM routes SIP traffic between connected devices. Dial Patterns are created as part of the configuration to manage SIP traffic routing. Create a Dial Pattern for calls to the MXE. Expand **Network Routing Policy**. Select **Dial Patterns**. Click **New**. Under **Pattern** enter a dial string pattern e.g. **53** (all calls to 5 digit extensions beginning with **53** will be routed to MXE). Under **SIP Domain** drop-down menu select **All**. Under **Notes** enter a suitable description. Under the **Originating Locations and Routing Policies**, click on **Add**. The **Originating Location and Routing Policy List** screen will be displayed. (Screen shot not shown). Select **ALL** as the **Originating Location**, and under **Routing Policies**, select the routing policy created in **Section 3.1.5**. Click **Commit** to save.

Dial Pattern Details Commit Cancel

General

* Pattern: 53

* Min: 5

* Max: 5

Emergency Call: ☐

SIP Domain: -ALL-

Notes: MXExpress Dial Pattern

Originating Locations and Routing Policies

Add Remove

1 Item | Refresh Filter: Enable

<input type="checkbox"/>	Originating Location Name	Originating Location Notes	Routing Policy Name	Rank	Routing Policy Disabled	Routing Policy Destination
<input type="checkbox"/>	-ALL-	Any Locations	MXExpress	0	<input type="checkbox"/>	MXExpress

Select : All, None (0 of 1 Selected)

Denied Originating Locations

Add Remove

4. Configure Avaya Meeting Exchange Express

This section details the configuration set-up of Meeting Exchange Express. It is assumed that the MXE has been installed and licensed in accordance with Avaya installation procedure, refer to **Section 8 Reference [2]** for more details. Configuration is accomplished by accessing the browser-based GUI of MXE, using the URL **https://<MXE-ip-address>/mx**. Log in using the installer credentials Refer to **Section 8 Reference [2]**. (Screen shot not shown).

4.1. Configure Conference Pool Resources

This parameter sets the amount of ports which will be available for scheduled conferences. In this sample configuration **100** ports out of **300** are reserved for scheduled conferences. For these application notes, the default demand conferences were used for testing. Select **Configurations** → **Global Settings**. On this page, set the **Reserved Port Pool** value. Click on **Submit** to save changes.

The screenshot shows the Avaya Meeting Exchange Express Edition Install Engineer web interface. The top navigation bar includes 'Help', 'Log Out', 'Installation', 'Configuration' (highlighted), and 'Provisioning'. A 'Reset Server' button is on the right. The left sidebar lists various configuration categories, with 'Global Settings' highlighted. The main content area displays 'Global Settings' with various configuration fields. The 'Reserved Port Pool' field is highlighted with a red box and set to 100. Other fields include System Date and Time, System Name, System IP Address, Mail Server IP Address, SIP Proxies Employed, Gateway Installed, Default Conference Phone Number, Default Conference SIP URI, Overbooking Percentage, and Max Retries on Error. A 'Submit' button is at the bottom left, and a '* Required Fields' note is at the bottom right.

Field	Value
System Date and Time	2010.05.12 02:02 PM IST
System Name	svxtal2942
System IP Address	10.10.9.200
* Mail Server IP Address	127.0.0.1
SIP Proxies Employed	<input type="checkbox"/>
Gateway Installed	<input type="checkbox"/>
Default Conference Phone Number	
Default Conference SIP URI	
* Overbooking Percentage	No Overbooking
* Reserved Port Pool	100
Max Retries on Error	3

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Version: 3.0.0.35

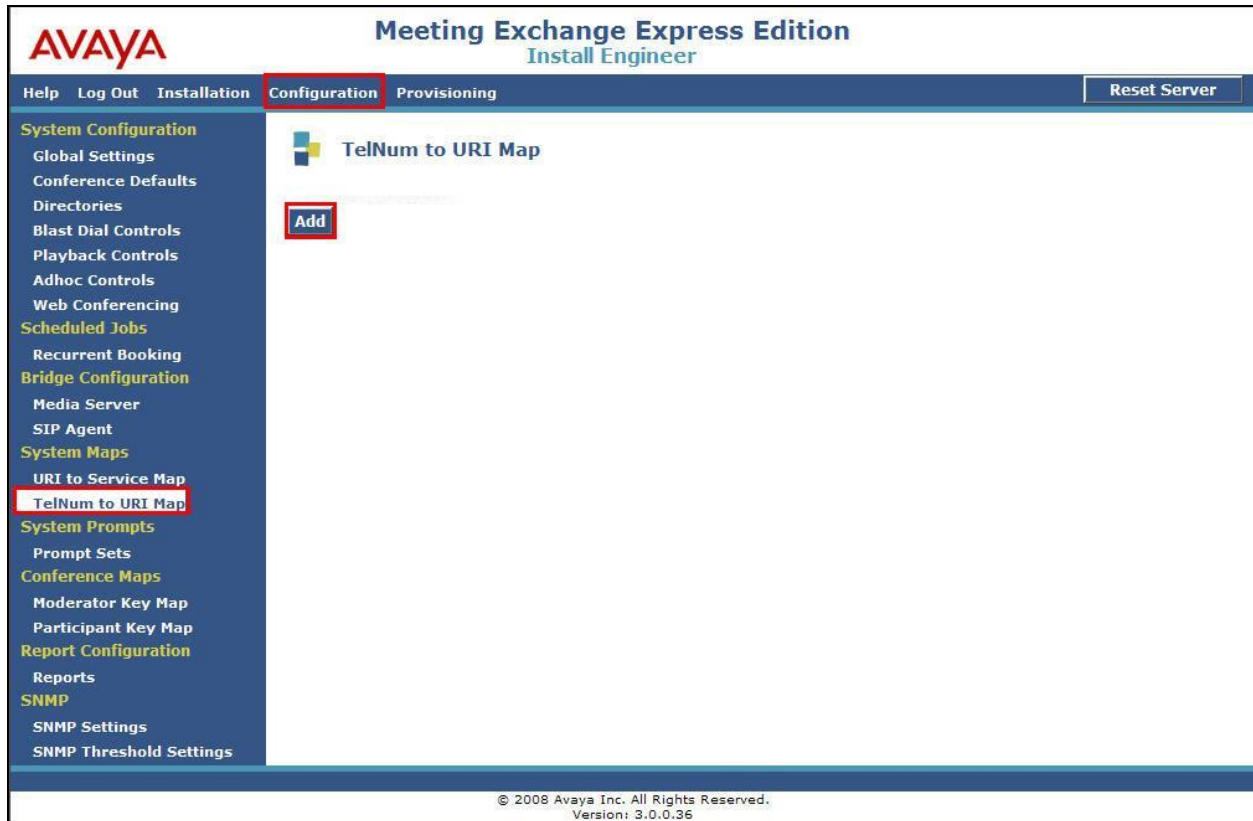
4.2. Configure SIP Agent Contact Details

Select **Configurations** → **SIP Agent**. For **SIP Address** enter details in SIP URI format e.g. **sip:NUM@MXE-IPaddress:5060;transport=tcp** where **NUM** is the MXE dial in access number, **MXE-IPaddress** is the IP address of the MXE server. Transport is TCP using default SIP port 5060. A similar SIP URI is required as the **Contact**. Use the same URI enclosed with **<>** brackets. Click on **Submit** to save changes.

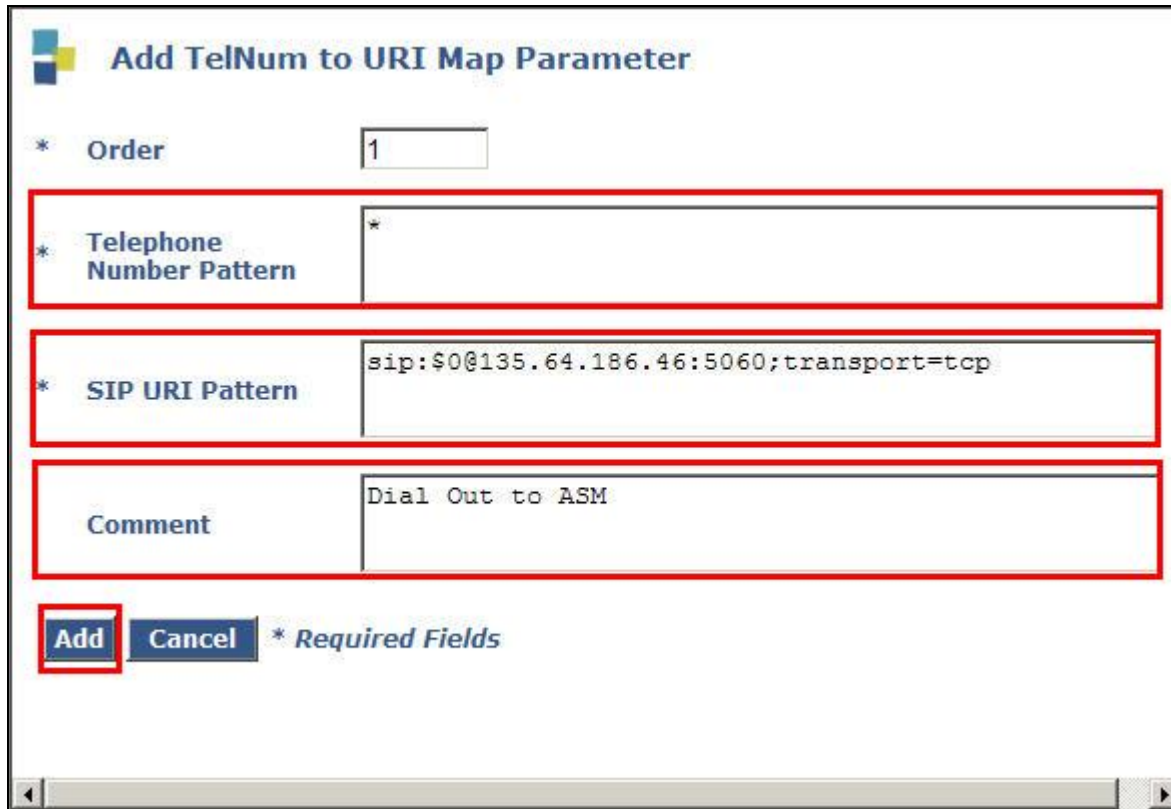
The screenshot displays the Avaya Meeting Exchange Express Edition Install Engineer web interface. The top navigation bar includes links for Help, Log Out, Installation, Configuration (highlighted), and Provisioning, along with a Reset Server button. The left sidebar lists various configuration categories, with SIP Agent highlighted. The main content area is titled 'SIP Agent' and contains several configuration fields: 'SIP Address' (text input with value 'sip:53123@10.10.9.200:5060;transport=tcp'), 'Differentiated Service TOS Value' (dropdown menu with value 4), 'Ethernet VLAN Value' (dropdown menu with value 10), 'Contact' (text input with value '<sip:53123@10.10.9.200:5060;transport=tcp>'), and 'SIPPING Notification Interval' (dropdown menu with value 1). A red box highlights the SIP Address and Contact fields. A Submit button is located at the bottom left of the configuration area, with a note '* Required Fields' next to it. The footer of the page shows the copyright information: '© 2008 Avaya Inc. All Rights Reserved. Version: 3.0.0.36'.

4.3. Configure TelNum To URI Map

For MXE dial-out, the system requires a **TelNum To URI** entry. For this sample configuration, a wildcard dial-out pattern was configured, sending all calls to SM. Select **System Maps** → **TelNum to URI Map**. Select **Add**.



Enter the wildcard pattern * as the **Telephone Number Pattern**. In the **SIP URI Pattern** field enter the default dial-out pattern **sip:\$0@SM100 IPaddress:5060;transport=tcp**. Where **\$0** is a variable parameter, the value is set as the number being dialed. **SM100 IPaddress** is the IP address of the Session Manager SM100 card, followed by the SIP default port, and transport is indicated as **tcp**. Enter a suitable description as the **Comment**. Click on **Add** to apply changes.



Add TelNum to URI Map Parameter

* **Order** 1

* **Telephone Number Pattern** *

* **SIP URI Pattern** sip:\$0@135.64.186.46:5060;transport=tcp

Comment Dial Out to ASM

Add **Cancel** * *Required Fields*

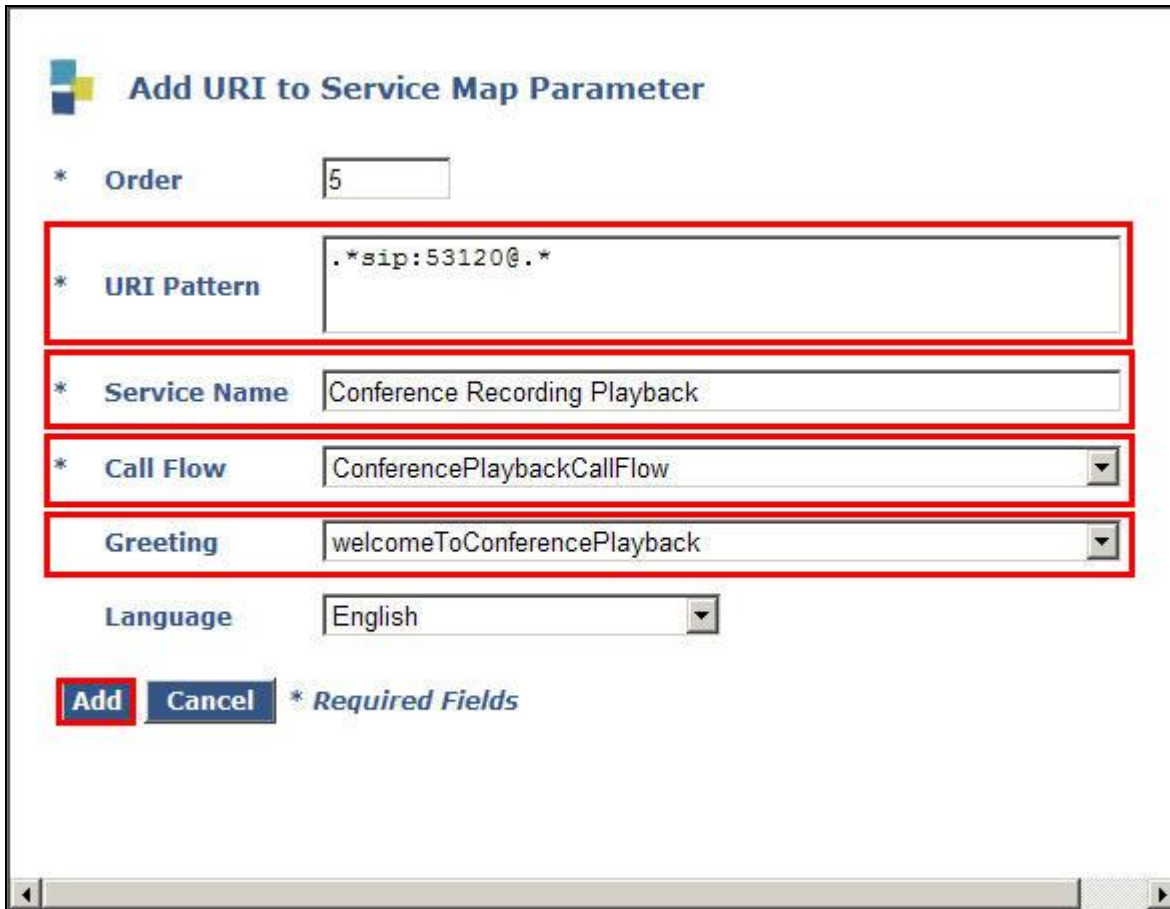
4.4. Configure URI to Service Map

For calls incoming to MXE, some general **URI to Service Map** configurations are required. MXE comes with a default configuration of URI to Service Map entries. For access to the Conference Playback facility, a specific entry was added. Select **Configurations → URI to Service Map**. Select **Add**.

The screenshot shows the Avaya Meeting Exchange Express Edition Install Engineer web interface. The left sidebar contains a navigation menu with categories like System Configuration, Scheduled Jobs, System Maps, System Prompts, Conference Maps, Report Configuration, and SNMP. The 'URI to Service Map' option under System Maps is highlighted. The main content area is titled 'URI to Service Map' and displays a table of configurations. A message 'Delete Succeeded' is shown at the top. The table has columns for Order, URI Pattern, Service Name, Call Flow, and Greeting. Below the table are buttons for 'Add', 'Edit', 'Delete', 'Move Up', and 'Move Down'. At the bottom, there are pagination controls showing 'Page 1 of 1', 'Total: 4', 'Rows/Page: 10', and a 'Refresh' button. The footer contains copyright information: '© 2008 Avaya Inc. All Rights Reserved. Version: 3.0.0.36'.

Order	URI Pattern	Service Name	Call Flow	Greeting
1	*sips?:.*@.*	Default	BasicCallFlow	greeting
2	*sips?:AdhocDirect([0-9]*)@.*	Ad Hoc Conference Direct Access	DirectCallFlow	directGreeting
3	*sips?:ReservationSetup@.*	Ad Hoc Reservation Factory VM Bypass	ReservationSetup	
4	*sips?:ReservationSetupNoVMB@.*	Ad Hoc Reservation Factory No VM Bypass	ReservationSetup	

For **URI Pattern** enter ***sip:CPB_DDI@.*** where **CPB_DDI** is the dial in number for Conference Recording Playback. Enter **Conference Recording Playback** from the **Service Name** drop down box. Select **ConferencePlaybackCallFlow** from the **Call Flow** drop down box. Select **welcomeToConferencePlayback** from the **Greeting** drop down box. Click on **Add** to apply changes.



Add URI to Service Map Parameter

* **Order**

* **URI Pattern**

* **Service Name**

* **Call Flow**

Greeting

Language

Add **Cancel** * *Required Fields*

When MXE refers to the **URI to Service Map** it selects a matching pattern starting at the top of the list. The default **URI to Service Map** entry ***sips?:.*@.*** will be matched with any incoming call. Therefore the entry for **Conference Recording Playback** was moved to the top of the order list. Select the tick box beside the entry and click on **Move UP**. Repeat until the **Conference Recording Playback** is at the top of the list

AVAYA Meeting Exchange Express Edition
Install Engineer

Help Log Out Installation Configuration Provisioning Reset Server

System Configuration
Global Settings
Conference Defaults
Directories
Blast Dial Controls
Playback Controls
Adhoc Controls
Web Conferencing
Scheduled Jobs
Recurrent Booking
Bridge Configuration
Media Server
SIP Agent
System Maps
URI to Service Map
TelNum to URI Map
System Prompts
Prompt Sets
Conference Maps
Moderator Key Map
Participant Key Map
Report Configuration
Reports
SNMP
SNMP Settings
SNMP Threshold Settings

URI to Service Map
Add Succeeded

Order	URI Pattern	Service Name	Call Flow	Greeting
<input type="checkbox"/> 1	*sips?:.*@.*	Default	BasicCallFlow	greeting
<input type="checkbox"/> 2	*sips?:AdhocDirect([0-9]*)@.*	Ad Hoc Conference Direct Access	DirectCallFlow	directGreeting
<input type="checkbox"/> 3	*sips?:ReservationSetup@.*	Ad Hoc Reservation Factory VM Bypass	ReservationSetup	
<input type="checkbox"/> 4	*sips?:ReservationSetupNoVMB@.*	Ad Hoc Reservation Factory No VM Bypass	ReservationSetup	
<input checked="" type="checkbox"/> 5	*sip:53120@.*	Conference Recording Playback	ConferencePlaybackCallFlowwelcomeToConferencePlayback	

Add Edit Delete Move Up Move Down

<< < Page 1 of 1 > >> Total: 5 Rows/Page: 10 Refresh

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Version: 3.0.0.36

The screenshot below illustrates desired order of URI to Service Map entries.

AVAYA Meeting Exchange Express Edition
Install Engineer

Help Log Out Installation Configuration Provisioning **Reset Server**

System Configuration

- Global Settings
- Conference Defaults
- Directories
- Blast Dial Controls
- Playback Controls
- Adhoc Controls
- Web Conferencing
- Scheduled Jobs**
- Recurrent Booking
- Bridge Configuration
- Media Server
- SIP Agent
- System Maps**
- URI to Service Map**
- TelNum to URI Map
- System Prompts
- Prompt Sets
- Conference Maps
- Moderator Key Map
- Participant Key Map
- Report Configuration
- Reports
- SNMP
- SNMP Settings
- SNMP Threshold Settings

URI to Service Map

Update Succeeded

Order	URI Pattern	Service Name	Call Flow	Greeting
<input checked="" type="checkbox"/> 1	*sip:53120@.*	Conference Recording Playback	ConferencePlaybackCallFlowwelcomeToConferencePlayback	
<input type="checkbox"/> 2	*sips?:.*@.*	Default	BasicCallFlow	greeting
<input type="checkbox"/> 3	*sips?:AdhocDirect([0-9]*)@.*	Ad Hoc Conference Direct Access	DirectCallFlow	directGreeting
<input type="checkbox"/> 4	*sips?:ReservationSetup@.*	Ad Hoc Reservation Factory VM Bypass	ReservationSetup	
<input type="checkbox"/> 5	*sips?:ReservationSetupNoVMB@.*	Ad Hoc Reservation Factory No VM Bypass	ReservationSetup	

Add Edit Delete Move Up Move Down

<< < Page 1 of 1 > >> Total: 5 Rows/Page: 10 Refresh

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Version: 3.0.0.36

To apply all the changes, click on the **Reset Server** button. Select **Yes**, wait approx 1 minute for the bridge to reset.

Conference Bridge Reset

IMPORTANT: Resetting the server results in active conferences to be terminated, all connected conferees will be disconnected. Without resetting your configuration changes will not take effect. Do you wish the conference bridge to be reset now?

Yes **No**

5. Verification Steps

This section provides details on how to verify the set-up of the main components of this sample configuration.

Verify MXE server processes by logging into the MXE via ssh terminal. Refer to **Section 8 Reference [2]**. Use the command **sudo lc status all** to list the status of the MXE processes.

```
[craft@svxtal2942 ~]$ sudo lc status all
dbx is running.
httpd is running.
ipcb is running.
jboss is running.
notificationCtrlServer is running.
postgresql is running.
[craft@svxtal2942 ~]$
```

Carry out test calls. Dial **53123** for generic conference call access. Verify that the greeting “*Welcome, you’ve reached the audio conference system*” is heard. Enter a valid conference access code e.g. **22346#**. Verify that the prompt message “*at the tone, please state your name, then press the pound key*” is heard. Follow the menu options and verify successful entry to the conference. Press ***8** to perform a roster playback check. Verify that the system prompts with roster name and the number callers in conference. Dial **53120** for access to the Conference Playback facility; verify the welcome message “*Welcome to the conference playback....*” is heard.

6. Conclusion

These Application Notes describe the steps for configuring Avaya Meeting Exchange Express with Avaya Aura™ Session Manager. Call access to Avaya Meeting Exchange Express including general conference access, conference recording playback, Moderator dial out and DTMF controls were tested. All test cases were completed successfully and the configuration described in these Application Notes has been successfully compliance tested.

Note: The interoperability configuration of the Avaya Meeting Exchange Express *SIP Element* on Avaya Aura™ Session Manager requires *SIP Entity Monitoring* to be disabled as detailed in **Section 3.1.3** of this document.

7. Additional References

Listed below are documents referenced in this Application Notes. These documents are available at the Avaya Support website. [Http://support.avaya.com](http://support.avaya.com)

- [1] Configuring Avaya Aura™ Session Manager 5.2 with Avaya Aura™ Communication Manager Access Element, Avaya Voice Portal and Avaya Aura™ Communication Manager Feature Server – Issue 1.0
- [2] Avaya Meeting Exchange Express 2.0 Installation and Configuration Guide 04-602593

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