Application Notes for Mattersight Call Recording Solution with Avaya Aura® Communication Manager Using Single Step Conference with Avaya Aura® Application Enablement Services – Issue 1.0

Abstract

These Application Notes describe the configuration steps required for Mattersight Call Recording Solution to interoperate with Avaya Aura® Communication Manager using Avaya Aura® Application Enablement Services.

Mattersight Call Recording Solution is a call recording solution. In the compliance testing, Mattersight Call Recording Solution used the Device, Media, and Call Control interface from Avaya Aura® Application Enablement Services to monitor skill group and agent station extensions on Avaya Aura® Communication Manager, and to capture the media associated with the monitored agents for call recording.

Readers should pay attention to Section 2, in particular the scope of testing as outlined in Section 2.1 as well as any observations noted in Section 2.2, to ensure that their own use cases are adequately covered by this scope and results.

Information in these Application Notes has been obtained through DevConnect compliance testing and additional technical discussions. Testing was conducted via the DevConnect Program at the Avaya Solution and Interoperability Test Lab.
1. Introduction

These Application Notes describe the configuration steps required for Mattersight Call Recording Solution to interoperate with Avaya Aura® Communication Manager 7 using Avaya Aura® Application Enablement Services 7.

Mattersight Call Recording Solution is a call recording solution. In the compliance testing, Mattersight Call Recording Solution used the Device, Media, and Call Control (DMCC) interface from Avaya Aura® Application Enablement Services to monitor skill group and agent station extensions on Avaya Aura® Communication Manager, and to capture the media associated with the monitored agents for call recording.

When there is an active call on the monitored agent, Mattersight Call Recording Solution is informed of the call via event reports from the DMCC interface. Mattersight Call Recording Solution starts the call recording by using the Single Step Conference from the DMCC interface to conference a virtual IP softphone to the active call to obtain the media. The event reports are also used to determine when to stop the call recordings.

2. General Test Approach and Test Results

The feature test cases were performed both automatically and manually. Upon start of the Call Recording Solution application, the application automatically uses DMCC to register the virtual IP softphones to Communication Manager, and to request monitoring on the recording skill group and agent station extensions.

For the manual part of the testing, each call was handled manually on the agent telephone with generation of unique audio content for the recordings. Necessary user actions such as hold and reconnect were performed from the agent telephones to test the different call scenarios. The serviceability test cases were performed manually by disconnecting/reconnecting the Ethernet connection to Call Recording Solution.

The verification of tests included using the Call Recording Solution logs for proper message exchanges, and using the Retrieval application for proper logging and playback of the calls.

DevConnect Compliance Testing is conducted jointly by Avaya and DevConnect members. The jointly-defined test plan focuses on exercising APIs and/or standards-based interfaces pertinent to the interoperability of the tested products and their functionalities. DevConnect Compliance Testing is not intended to substitute full product performance or feature testing performed by DevConnect members, nor is it to be construed as an endorsement by Avaya of the suitability or completeness of a DevConnect member’s solution.
2.1. Interoperability Compliance Testing

The interoperability compliance test included feature and serviceability testing.

The feature testing focused on verifying the following on Call Recording Solution:

- Use of DMCC registration services to register and un-register the virtual IP softphones.
- Use of DMCC monitoring services to monitor agent stations and virtual IP softphones.
- Use of DMCC call control service to activate Single Step Conference to conference virtual IP softphones to active call and to obtain the media for call recording.
- Proper recording, logging, and playback of calls for scenarios involving G711, G729, inbound, outbound, internal, external, ACD, non-ACD, hold, reconnect, simultaneous calls, simultaneous agents, conference, transfer and long call duration.

The serviceability testing focused on verifying the ability of the Call Recording Solution to recover from adverse conditions, such as disconnecting/reconnecting the Ethernet connection to the Call Recording Solution server.
2.2. Test Results

All test cases were executed, and the following were observations on the Call Recording Solution from the compliance testing:

- The User interface to display recordings is not part of this solution therefore the test audio files created after the call completed were played from Windows File Explorer. Call details such as DNIS, Call Type, Call Direction (meta data) was reviewed separately.
- Agents must be a member of a specific skill group in order to be recorded.
- If the agent is reskilled without using the Avaya CMS tool the agent will need to log out and log back in for the skill changes to take effect.
- During the call if a user performs actions such as pressing the Transfer button on deskphone and then pressing the Cancel or Clear button this will trigger AES to send a Call Clear event and Mattersight will stop recording the second leg of the call. The first leg of the call will continue to be recorded.
- When an agent is active on a call that is being monitored and recorded, and the agent places another call (by using transfer, conference, or hold) to a destination that is not monitored, the call to the non-monitored destination will not be recorded. Mattersight has indicated that this is working as designed.
- For a call between 2 internal agents, only 1 recording will be created.
- The voice quality of a recorded G729 call is not as clear as a G.711 call.

2.3. Support

Technical support on Mattersight Call Recording Solution can be obtained through the following:

- **Phone:** 877.235.6925
- **Email:** support@mattersight.com
3. Reference Configuration

The Mattersight Call Recording Solution is a SaaS (Software as a service solution) offering. Mattersight will design an appropriately sized solution based on several factors to include concurrent calls, calls per second, and concurrent agents. The solution is made up of components distributed across multiple servers. The compliance test used a single server configuration shown in Figure 1.

There is no user interface provided for Call Recording Solution to review and playback the call recordings, to verify if Call Recording Solution properly recorded the call, manually open media file locate in folder D:\AFCRecordings. Customers would leverage the Mattersight portal to access call recordings and meta data as no direct access to the file structure is provided.

The detailed administration of basic connectivity between Communication Manager, Application Enablement Services, and contact center devices is not the focus of these Application Notes and will not be described.

In the compliance testing, the contact center devices consisted of two VDNs, two skill groups, one supervisor, and two agents stations as shown in the table below.

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>VDN</td>
<td>56001, 56010</td>
</tr>
<tr>
<td>Skill/Hunt Group</td>
<td>56300, 56303</td>
</tr>
<tr>
<td>Agent ID</td>
<td>1000, 1004</td>
</tr>
<tr>
<td>Agent Station</td>
<td>56201, 56101</td>
</tr>
<tr>
<td>Supervisor</td>
<td>56202</td>
</tr>
</tbody>
</table>

A new hunt group will need to be created so the Mattersight CRS application can keep track of the agents that need to be recorded in this case skill group 5 with extension is 56304 was used. All agents that are in-scope for call recording would need to have this skill assigned to them in this example agent 1000 and 1004 were added to skill group 5.
Figure 1: Compliance Testing Configuration
4. Equipment and Software Validated

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

<table>
<thead>
<tr>
<th>Equipment/Software</th>
<th>Release/Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avaya Aura® Communication Manager on Virtual Environment</td>
<td>7.0.2</td>
</tr>
<tr>
<td>Avaya G450 Media Gateway</td>
<td>7.0.1.1</td>
</tr>
<tr>
<td>Avaya Aura® Media Server on Virtual Environment</td>
<td>7.7.0.334</td>
</tr>
<tr>
<td>Avaya Aura® Application Enablement Services</td>
<td>7.0.1 Super Patch 3</td>
</tr>
<tr>
<td>Avaya 9608, 9621G IP Deskphone (H.323)</td>
<td>6.6.3</td>
</tr>
<tr>
<td>Avaya 9621G IP Deskphone (SIP)</td>
<td>7.0.1.4</td>
</tr>
<tr>
<td>Avaya Aura® Session Manager</td>
<td>7.0.1 SP2</td>
</tr>
<tr>
<td>Avaya Aura® System Manager</td>
<td>7.0.1.2</td>
</tr>
<tr>
<td>MatterSight Call Recording Solution on Windows 2012R2 Server</td>
<td>4.0 SP 2</td>
</tr>
<tr>
<td>- Avaya DMCC .NET (ServiceProvider.dll)</td>
<td>6.2.0.29</td>
</tr>
</tbody>
</table>

©2017 Avaya Inc. All Rights Reserved.
5. Configure Avaya Aura® Communication Manager

This section provides the procedures for configuring Communication Manager. The procedures include the following areas:

- Verify License
- Administer CTI Link
- Administer System Parameters Features
- Administer Recording Hunt Group
- Administer Virtual IP Softphones

5.1. Verify License

Log in to the System Access Terminal (SAT) to verify that the Communication Manager license has proper permissions for features illustrated in these Application Notes. Use the “display system-parameters customer-options” command to verify that the Computer Telephony Adjunct Links customer option is set to “y” on Page 4. If this option is not set to “y”, then contact the Avaya sales team or business partner for a proper license file.

```
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Access Security Gateway (ASG)? n</td>
<td>Authorization Codes? y</td>
</tr>
<tr>
<td>Analog Trunk Incoming Call ID? y</td>
<td>CAS Branch? n</td>
</tr>
<tr>
<td>A/D Grp/Sys List Dialing Start at 01? y</td>
<td>CAS Main? n</td>
</tr>
<tr>
<td>Answer Supervision by Call Classifier? y</td>
<td>Change COR by FAC? n</td>
</tr>
<tr>
<td>ARS? y</td>
<td>Computer Telephony Adjunct Links? y</td>
</tr>
<tr>
<td>ARS/AAR Partitioning? y</td>
<td>Cvg Of Calls Redirected Off-net? y</td>
</tr>
<tr>
<td>ARS/AAR Dialing without FAC? n</td>
<td>DCS (Basic)? y</td>
</tr>
<tr>
<td>ASAI Link Core Capabilities? y</td>
<td>DCS Call Coverage? y</td>
</tr>
<tr>
<td>ASAI Link Plus Capabilities? y</td>
<td>DCS with Rerouting? y</td>
</tr>
<tr>
<td>Async. Transfer Mode (ATM) PNC? n</td>
<td></td>
</tr>
<tr>
<td>ATM WAN Spare Processor? n</td>
<td>DS1 MSP? y</td>
</tr>
<tr>
<td>ATMS? y</td>
<td>DS1 Echo Cancellation? y</td>
</tr>
<tr>
<td>Attendant Vectoring? y</td>
<td></td>
</tr>
</tbody>
</table>

(NOTE: You must logoff & logIn to effect the permission changes.)
5.2. Administer CTI Link

Add a CTI link using the “add cti-link n” command, where “n” is an available CTI link number. Enter an available extension number in the Extension field. Note that the CTI link number and extension number may vary. Enter “ADJ-IP” in the Type field, and a descriptive name in the Name field. Default values may be used in the remaining fields.

<table>
<thead>
<tr>
<th>add cti-link 1</th>
<th>CTI Link: 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extension: 56001</td>
<td></td>
</tr>
<tr>
<td>Type: ADJ-IP</td>
<td></td>
</tr>
<tr>
<td>Name: DevvmAES</td>
<td>COR: 1</td>
</tr>
</tbody>
</table>

5.3. Administer System Parameters Features

Use the “change system-parameters features” command to enable Create Universal Call ID (UCID), which is located on Page 5. For UCID Network Node ID, enter an available node ID.

<table>
<thead>
<tr>
<th>change system-parameters features</th>
<th>Page 5 of 19</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEATURE-RELATED SYSTEM PARAMETERS</td>
<td></td>
</tr>
<tr>
<td>SYSTEM PRINTER PARAMETERS</td>
<td></td>
</tr>
<tr>
<td>Endpoint: Lines Per Page: 60</td>
<td></td>
</tr>
<tr>
<td>SYSTEM-WIDE PARAMETERS</td>
<td></td>
</tr>
<tr>
<td>Switch Name:</td>
<td></td>
</tr>
<tr>
<td>Emergency Extension Forwarding (min): 10</td>
<td></td>
</tr>
<tr>
<td>Enable Inter-Gateway Alternate Routing? n</td>
<td></td>
</tr>
<tr>
<td>Enable Dial Plan Transparency in Survivable Mode? n</td>
<td></td>
</tr>
<tr>
<td>COR to Use for DPT: station</td>
<td></td>
</tr>
<tr>
<td>EC500 Routing in Survivable Mode: dpt-then-ec500</td>
<td></td>
</tr>
<tr>
<td>MALICIOUS CALL TRACE PARAMETERS</td>
<td></td>
</tr>
<tr>
<td>Apply MCT Warning Tone? n</td>
<td></td>
</tr>
<tr>
<td>MCT Voice Recorder Trunk Group:</td>
<td></td>
</tr>
<tr>
<td>Delay Sending RELease (seconds): 0</td>
<td></td>
</tr>
<tr>
<td>SEND ALL CALLS OPTIONS</td>
<td></td>
</tr>
<tr>
<td>Send All Calls Applies to: station</td>
<td></td>
</tr>
<tr>
<td>Auto Inspect on Send All Calls? n</td>
<td></td>
</tr>
<tr>
<td>Preserve previous AUX Work button states after deactivation? n</td>
<td></td>
</tr>
<tr>
<td>UNIVERSAL CALL ID</td>
<td></td>
</tr>
<tr>
<td>Create Universal Call ID (UCID)? y</td>
<td></td>
</tr>
<tr>
<td>UCID Network Node ID: 1</td>
<td></td>
</tr>
</tbody>
</table>
Navigate to Page 13, and enable **Send UCID to ASAI**. This parameter allows for the universal call ID to be sent to the Call Recording Solution.

<table>
<thead>
<tr>
<th>feature-related system parameters</th>
<th>Page 13 of 19</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALL CENTER MISCELLANEOUS</td>
<td></td>
</tr>
<tr>
<td>Callr-info Display Timer (sec): 10</td>
<td></td>
</tr>
<tr>
<td>Clear Callr-info: next-call</td>
<td></td>
</tr>
<tr>
<td>Allow Ringer-off with Auto-Answer? n</td>
<td></td>
</tr>
<tr>
<td>Reporting for PC Non-Predictive Calls? n</td>
<td></td>
</tr>
<tr>
<td>Agent/Caller Disconnect Tones? n</td>
<td></td>
</tr>
<tr>
<td>Interruptible Aux Notification Timer (sec): 3</td>
<td></td>
</tr>
<tr>
<td>Zip Tone Burst for Callmaster Endpoints: double</td>
<td></td>
</tr>
<tr>
<td>ASAI</td>
<td></td>
</tr>
<tr>
<td>Copy ASAI UUI During Conference/Transfer? n</td>
<td></td>
</tr>
<tr>
<td>Call Classification After Answer Supervision? n</td>
<td></td>
</tr>
<tr>
<td>Send UCID to ASAI? y</td>
<td></td>
</tr>
<tr>
<td>For ASAI Send DTMF Tone to Call Originator? y</td>
<td></td>
</tr>
<tr>
<td>Send Connect Event to ASAI For Announcement Answer? n</td>
<td></td>
</tr>
</tbody>
</table>

### 5.4. Administer Hunt Group

A new hunt group will need to be created so the Mattersight CRS application can keep track of the agents that need to be recorded. All agents that are in-scope for call recording would need to have this skill assigned to them. Below is the configuration for **hunt group 5**.

```
display hunt-group 5
```
```
**HUNT GROUP**
- Group Number: 5
- Group Name: Basic 3
- Group Extension: 56304
- Group Type: ucd-mia
- TN: 1
- COR: 1
- MM Early Answer? n
- Security Code: 
- Local Agent Preference? n
- ISDN/SIP Caller Display: 
- Queue Limit: unlimited
- Calls Warning Threshold: Port: 
- Time Warning Threshold: Port: 
```
5.5. Administer Virtual IP Softphones

Virtual IP Softphones are used by Mattersight to single step conference with the agent phone and capture media. Add a virtual IP softphone using the “add station n” command, where “n” is an available extension number. Enter the following values for the specified fields, and retain the default values for the remaining fields.

- **Extension:** The available extension number.
- **Type:** Any IP telephone type, such as “9620”.
- **Name:** A descriptive name.
- **Security Code:** A desired code, example: 1234. Below screenshot, security code has been mask by Communication Manager for security reason.
- **IP SoftPhone:** Set to “y”.

```
add station 56114

Extension: 56114
Type: 9620
Port: S00067
Name: BA Virtual #1

Lock Messages? n
Security Code: *
Coverage Path 1:  
Coverage Path 2:  
Hunt-to Station: 

BCC: 0
TN: 1
COR: 1
COS: 1
Tests: y

STATION OPTIONS
Loss Group: 19
Personalized Ringing Pattern: 1
Message Lamp Ext: 56114
Mute Button Enabled? y
Expansion Module? n

Display Language: english
Media Complex Ext: 

IP SoftPhone? y

Survivable Trunk Dest? y
Short/Prefixed Registration Allowed: default
Customizable Labels? Y

Survivable GK Node Name:
Survivable COR: internal
Survivable Trunk Dest?

List station 56114 count 2
```

Repeat this section to administer the desired number of virtual IP softphones, using sequential extension numbers. In the compliance testing, two virtual IP softphones were administered as shown below, to allow for simultaneous recording of two monitored agents in Section 3.

```
list station 56114 count 2

Ext/ Port/ Name/ Room/ Cv1/ COR/ Cable/
Hunt-to Type Surv GK NN Move Data Ext Cv2 COS TN Jack
56114 S00067 BA Virtual #1 1
9620 no 1

56115 S00070 BA Virtual #2 1
9620 no 1
```
6. Configure Avaya Aura® Application Enablement Services

This section provides the procedures for configuring Application Enablement Services. The procedures include the following areas:

- Launch OAM interface
- Verify license
- Administer TSAPI link
- Administer H.323 gatekeeper
- Disable security database
- Restart services
- Administer Call Recording Solution user
- Provide Call Recording Solution User unrestricted access
- Administer ports

6.1. Launch OAM Interface

Access the OAM web-based interface by using the URL “https://ip-address” in an Internet browser window, where “ip-address” is the IP address of the Application Enablement Services server.

The Please login here screen is displayed. Log in using the appropriate credentials.
The **Welcome to OAM** screen is displayed as below.

![Welcome to OAM Screen](image)

**6.2. Verify License**

Select **Licensing → WebLM Server Access** in the left pane, to display the **Web License Manager** pop-up screen (not shown), and log in using the appropriate credentials.

![Web License Manager](image)
The WebLM screen below is displayed. Select **Licensed products ➔ APPL_ENAB ➔ Application_Enablement** in the left pane, to display the **Application Enablement (CTI)** screen in the right pane.

Verify that there are sufficient licenses for **TSAPI Simultaneous Users** and **Device Media and Call Control**, as shown below. Note that the TSAPI license is used for monitoring and call control via DMCC, and the DMCC license is used for the virtual IP softphones.
6.3. Administer TSAPI Link
To administer a TSAPI link, select AE Services → TSAPI → TSAPI Links from the left pane. The TSAPI Links screen is displayed, as shown below. Click Add Link.

![Add Link](image1)

The Add TSAPI Links screen is displayed next (not shown), below is example of link created during compliance test.

The Link field is only local to the Application Enablement Services server, and may be set to any available number. For Switch Connection, select the relevant switch connection from the drop-down list. In this case, the existing switch connection “DevvmCM” is selected. For Switch CTI Link Number, select the CTI link number from Section 5.2. Select “7” for ASAI Link Version and select “Both” for Security.

![Add TSAPI Links](image2)
6.4. Administer H.323 Gatekeeper

Select Communication Manager Interface → Switch Connections from the left pane. The Switch Connections screen shows a listing of the existing switch connections.

Locate the connection name associated with the relevant Communication Manager, in this case “S8300D”, and select the corresponding radio button. Click Edit H.323 Gatekeeper.

The Edit H.323 Gatekeeper screen is displayed. Enter the IP address of a C-LAN circuit pack or the Processor C-LAN on Communication Manager to be used as H.323 gatekeeper, click Add Name or IP. Example below is H323 Gatekeeper already created with IP address of Communication Manager 10.10.97.222.
6.5. Disable Security Database

Select Security → Security Database → Control from the left pane, to display the SDB Control for DMCC, TSAPI, JTAPI and Telephony Web Services screen in the right pane. Uncheck both fields below, and click Apply Changes.
6.6. Restart Services
Select Maintenance → Service Controller from the left pane, to display the Service Controller screen in the right pane. Check DMCC Service and TSAPI Service, and click Restart Service.
6.7. Administer Call Recording Solution User

Select User Management ➔ User Admin ➔ Add User from the left pane, to display the Add User screen in the right pane.

Enter desired values for User Id, Common Name, Surname, User Password, and Confirm Password. For CT User, select “Yes” from the drop-down list. Retain the default value in the remaining fields. Click Apply at the bottom of the screen. Below is screenshot of user mattersight created during compliance tested.
6.8. Provide Call Recording Solution User unrestricted access

Select Security → Security Database → CTI Users → List All Users from the left pane to display the list of CTI users in the right pane (not shown). Under the user list select the user created in the previous step and click on Edit at the bottom of the page. In the User Profile section check the box for the Unrestricted Access.

This will allow the CTI user access to all devices on this AES server.

6.9. Administer Ports

Select Networking → Ports from the left pane, to display the Ports screen in the right pane.

In the DMCC Server Ports sub-section, select the radio button for Unencrypted Port under the Enabled column, and make a note of the port value to be used later to configure Call Recording Solution. Retain the default values in the remaining fields. Click Apply Changes at the bottom of the screen (not shown below).
7. Configure Mattersight Call Recording Solution

This section provides the procedures for configuring Call Recording Solution. The procedures include the configuration of the WorkerSettings.config file.

The configuration of Call Recording Solution is performed by Mattersight technicians. The procedural steps are presented in these Application Notes for informational purposes.

7.1. Administer WorkerSettings

In the WorkerSettings file configure the following parameters in order for Mattersight to communicate with Application Enablement Service:

- **RecordingExtensions**: Enter virtual extension created in Section 5.5.
- **CmIpAddresses**: Enter IP address of Communication Manager.
- **RtpIpAddress**: Enter IP address of Mattersight server
- **AesIpAddress**: Enter IP address of Application Enablement Service.
- **AesSocketPort**: Enter port in Section 6.9.
- **DmccUserName**: Enter user name create in Section 6.7.
- **DmccPassword**: Enter password created in Section 6.7.
- **Codec**: Enter codec used for recording
- **Mode**: Enter the interface mode in this case it is SSC.

```
<workerSettings>
  <add key="EndPointsToPublishTo" value="tcp://127.0.0.1:56000" />
  <add key="EndPointsToSubscribeTo" value="tcp://127.0.0.1:56001" />
  <add key="ExtensionsWhitelist" value="" />
  <add key="RecordingExtensions" value="56114-56115" />
  <add key="CmIpAddress" value="10.97.222" />
  <add key="StartPort" value="4880" />
  <add key="RtpIpAddress" value="10.97.224" />
  <add key="AesIpAddress" value="10.97.224" />
  <add key="AesSocketPort" value="4721" />
  <add key="DmccUserName" value="mattersight" />
  <add key="DmccPassword" value="mattersight" />
  <add key="RecordOnlyAgentToAgent" value="false" />
  <add key="Codec" value="g711u"/>
  <add key="Mode" value="SSC"/>
  <add key="StationPassword" value="1234"/>
  <add key="ServerPingIntervalInSocs" value="10"/>
  <add key="ReconnectDelayInMins" value="2"/>
</workerSettings>
```

Close the file and save all of the configuration changes.
7.2. Administer Service

In Services window, verify Mattersight Dmcc Avaya Interface is running as shown below (this is performed by the Mattersight team):

![Mattersight Dmcc Avaya Interface](image)

8. Verification Steps

This section provides the tests that can be performed to verify proper configuration of Communication Manager, Application Enablement Services, and Call Recording Solution.

8.1. Verify Avaya Aura® Communication Manager

On Communication Manager, verify the status of the administered CTI link by using the “status aesvcs cti-link” command. Verify that the Service State is “established” for the CTI link number administered in Section 5.2, as shown below.

```
status aesvcs cti-link

AE SERVICES CTI LINK STATUS

<table>
<thead>
<tr>
<th>CTI Version Mnt AE Services</th>
<th>Service State</th>
<th>Msgs Sent</th>
<th>Msgs Rcvd</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 7 no devaes</td>
<td>established</td>
<td>26</td>
<td>20</td>
</tr>
</tbody>
</table>
```

Verify the registration status of the virtual softphones by using the “list registered-ip-stations” command. Verify that all virtual extensions from Section 5.5 are displayed, as shown below.

```
list registered-ip-stations

REGISTERED IP STATIONS

<table>
<thead>
<tr>
<th>Station Ext or Orig Port</th>
<th>Set Type/Prod ID/Net Rgn Release</th>
<th>Station IP Address/Port Gatekeeper IP Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>56101</td>
<td>9608 IP_Phone tcp 10.33.5.29</td>
<td></td>
</tr>
<tr>
<td>56114</td>
<td>9620 IP_API_A tcp 10.10.97.224</td>
<td></td>
</tr>
<tr>
<td>56115</td>
<td>9620 IP_API_A tcp 10.10.97.224</td>
<td></td>
</tr>
</tbody>
</table>
```

PM; Reviewed: SPOC 5/12/2017 Solution & Interoperability Test Lab Application Notes ©2017 Avaya Inc. All Rights Reserved. CRS_SSC
8.2. Verify Avaya Aura® Application Enablement Services

On Application Enablement Services, verify the status of the TSAPI link by selecting **Status ➔ Status and Control ➔ TSAPI Service Summary** from the left pane. The **TSAPI Link Details** screen is displayed.

Verify the **Status** is “Talking” for the TSAPI link administered in **Section 6.3**, and that the **Associations** column reflects the number of monitored skill group and agent station extensions from **Section 3**.

![TSAPI Link Details](image-url)
Verify the status of the DMCC link by selecting **Status → Status and Control → DMCC Service Summary** from the left pane. The **DMCC Service Summary – Session Summary** screen is displayed.

Verify the **User** column shows an active session with the Call Recording Solution user name from **Section 6.7**, and that the **# of Associated Devices** column reflects the number of monitored skill group, agent station extensions, and virtual IP softphone extensions.
8.3. Verify Mattersight Call Recording Solution
In the AFCRecordings folder, select the entry and verify that the call recording can be played back and play the correct media.

9. Conclusion
These Application Notes describe the configuration steps required for Mattersight Call Recording Solution 4.0 to successfully interoperate with Avaya Aura® Communication Manager 7.0.2 using Avaya Aura® Application Enablement Services 7.0.1 SP3. All feature and serviceability test cases were completed successfully with observations noted in Section 2.2.

10. Additional References
This section references the product documentation relevant to these Application Notes can be found on support.avaya.com:


Mattersight document is available upon request.
©2017 Avaya Inc. All Rights Reserved.
Avaya and the Avaya Logo are trademarks of Avaya Inc. All trademarks identified by ® and ™ are registered trademarks or trademarks, respectively, of Avaya Inc. All other trademarks are the property of their respective owners. The information provided in these Application Notes is subject to change without notice. The configurations, technical data, and recommendations provided in these Application Notes are believed to be accurate and dependable, but are presented without express or implied warranty. Users are responsible for their application of any products specified in these Application Notes.

Please e-mail any questions or comments pertaining to these Application Notes along with the full title name and filename, located in the lower right corner, directly to the Avaya DevConnect Program at devconnect@avaya.com.