

Avaya Solution & Interoperability Test Lab

Application Notes for HP Qfiniti Observe (Media Streaming) with Avaya Aura® Application Enablement Services and Avaya Aura® Communication Manager using DMCC – Issue 1.0

Abstract

These Application Notes contain instructions for HP Qfiniti Observe with Avaya Aura® Application Enablement Services and Avaya Aura® Communication Manager to successfully interoperate.

Readers should pay attention to **Section 2**, in particular the scope of testing as outlined in **Section 2.1** as well as the 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 contain instructions for HP Qfiniti Observe with Avaya Aura® Application Enablement Services and Avaya Aura® Communication Manager to successfully interoperate.

Qfiniti is a call recording solution which utilizes the Device, Media and Call Control (DMCC) and TSAPI services on Avaya Aura® Application Enablement Services (AES) to record calls for Quality Monitoring and Compliance purposes.

Qfiniti registers as one of up to three recording devices at an extension that is provisioned in Communication Manager. Once Qfiniti Observe requests listening services, the AES will send Qfiniti Observe a duplicate stream of whatever comes and goes from the originally provisioned extension. This mode is known as Media Streaming within Qfiniti Observe.

2. General Test Approach and Test Results

The compliance test focused on the ability for calls to be recorded. Calls were manually placed from the public switched telephone network (PSTN) directly to and from recorded devices, and to Automatic Call Distributor (ACD) queues.

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 compliance test validated the ability of Qfiniti Observe to successfully record various types of calls routed to and from Analog, Digital, IP and SIP endpoints. The feature testing included the following:

- Handling of real-time agent states and call events from Qfiniti Observe
- Use of AES DMCC registration services to register and un-register the virtual IP Softphone
- Use of Communication Manager Service Observing feature to have virtual IP Softphones service-observing target stations
- Use of Application Enablement Services AES DMCC monitoring services and media control events to obtain the media from the virtual IP Softphones
- Proper recording, logging, and playback of calls for scenarios involving inbound, outbound, agent drop, customer drop, hold, reconnect, transfer and conference.

Additionally, testing confirmed the ability for Qfiniti Observe to recover from common outages such as network outages and server reboots.

2.2. Test Results

All planned test cases were passed.

2.3. Support

Technical support for HP Qfiniti can be obtained via the following means.

Web: <u>https://customers.autonomy.com</u>

Phone: (800) 346-4436

3. Reference Configuration

Figure 1 illustrates a sample configuration that consists of Avaya Products and HP Qfiniti Observe.

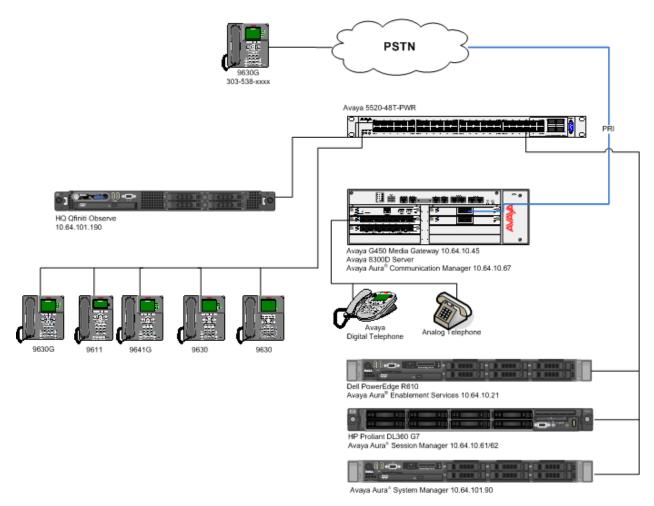


Figure 1: Test Configuration for Qfiniti Observe

4. Equipment and Software Validated

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

| Equipment/Software | Release/Version |
|--|-----------------|
| Avaya S8300D Server | 6.3 SP8 |
| Avaya Aura [®] Communication Manager | 0.5 51 8 |
| Avaya Aura [®] Session Manager | 6.3 SP6 |
| Avaya Aura [®] System Manager | 6.3 SP6 |
| Avaya G450 Media Gateway | 31.20.0 |
| Avaya Aura [®] Application Enablement | 6.3 |
| Services | 0.5 |
| Avaya TSAPI Client | 6.3 |
| Qfiniti Observe | 10.3 |

5. Configure Avaya Aura® Communication Manager

This section contains steps necessary to configure Qfiniti Observe successfully with Avaya Aura® Communication Manager.

All configurations in Communication Manager were performed via SAT terminal.

5.1. Verify Feature and License

Enter the **display system-parameters customer-options** command and ensure that the following features are enabled.

One Page 3, verify Computer Telephone Adjunct Links is set to y.

```
Page 3 of 11
display system-parameters customer-options
                                     OPTIONAL FEATURES
        Previated Dialing Enhanced List? yAudible Message Waiting? yAccess Security Gateway (ASG)? nAuthorization Codes? yAnalog Trunk Incoming Call ID? yCAS Branch? np/Sys List Dialing Start at 012 yCAS Branch? n
    Abbreviated Dialing Enhanced List? y
A/D Grp/Sys List Dialing Start at 01? y
                                                                  Change COR by FAC? n
Answer Supervision by Call Classifier? y
                                        ARS? y Computer Telephony Adjunct Links? y
                   ARS/AAR Partitioning? y Cvg Of Calls Redirected Off-net? y
                                                                         DCS (Basic)? y
           ARS/AAR Dialing without FAC? y
           ASAI Link Core Capabilities? y
ASAI Link Plus Capabilities? y
                                                                  DCS Call Coverage? y
                                                                  DCS with Rerouting? y
       Async. Transfer Mode (ATM) PNC? n
  Async. Transfer Mode (ATM) Trunking? n Digital Loss Plan Modification? y
                ATM WAN Spare Processor? n
                                                                               DS1 MSP? y
                                                 DS1 MSP? y
DS1 Echo Cancellation? y
                                      ATMS? y
                     Attendant Vectoring? y
```

5.2. Configure Stations

Use **add station** n command to add a station, where n is an available station extension. This station will be monitored by Qfiniti Observe. Configure the station as follows, on Page 1:

- In Name field, enter a descriptive name
- Set **Type** to the type of the telephones
- Enter a Security Code
- Set **IP SoftPhone** to **y**

add station 25002 Page 1 of 5 STATION Extension: 25002 Lock Messages? n BCC: 0 Security Code: 123456 Type: 9630 TN: 1 Coverage Path 1: 1 Port: IP COR: 1 Name: IP Station 1 Coverage Path 2: COS: 1 Hunt-to Station: STATION OPTIONS Time of Day Lock Table: Loss Group: 19 Personalized Ringing Pattern: 1 Speakerphone: 2-way Display Language: english able GK Node Namo: Message Lamp Ext: 25001 Mute Button Enabled? y Button Modules: 0 Survivable GK Node Name: Survivable COR: internal Media Complex Ext: Survivable Trunk Dest? y IP SoftPhone? y IP Video Softphone? n Short/Prefixed Registration Allowed: default Customizable Labels? y

5.3. Configure IP Services

Add an IP-Services entry, using the **change ip-services** command, for Application Enablement Services as described below. On Page 1:

- In the Service Type field, type AESVCS.
- In the **Enabled** field, type y.
- In the Local Node field, type the Node name procr for the Processor Ethernet Interface.
- In the **Local Port** field, use the default of **8765**.

| change ip- | services | | | | | Page | 1 of | 4 |
|---|--------------|--|----|---|----------------|----------------|------|---|
| Service Type AESVCS CDR1 CDR2 PMS | Enabled ¥ | Local Node procr procr procr procr | IP | SERVICES Local Port 8765 0 0 0 | Remote Node | Remote Port | | |

On Page 4 of the IP Services form, enter the following values:

- In the **AE Services Server** field, type the host name of the Application Enablement Services server.
- In the **Password** field, type the same password to be administered on the Application Enablement Services server in **Section 6.1**.
- In the **Enabled** field, type **y**.

| (| change ip-ser | vices | AE Services Administ | ration | Page | 4 of | 4 |
|---|-----------------|----------------------------|--------------------------------|---------------|-------------------------|------|---|
| | Server ID | AE Services Server | Password | Enabled | Status | | |
| | 1: 2: | aes6_tr1 AES2146 | devconnect123 devconnect123 | У У | in use in use | | |

5.4. Configure CTI Link

Enter the **add cti-link <link number>** command, where **<link number>** is an available CTI link number.

- In the **Extension** field, type a valid station extension.
- In the **Type** field, type **ADJ-IP**.
- In the **Name** field, type a descriptive name.

```
add cti-link 1 Page 1 of 3

CTI Link: 1

Extension: 6201

Type: ADJ-IP

Name: TSAPI COR: 1
```

6. Configure Avaya Aura® Application Enablement Services

Configuration of Avaya Aura® Application Enablement Services requires a user account be configured for Qfiniti Observe and CTI/TSAPI configuration for Communication Manager.

All administration is performed by web browser, <u>https://<aes-ip-address>/</u>

6.1. Configure Communication Manager Switch Connections

To add links to Communication Manager, navigate to the **Communication Manager Interface** → Switch Connections page and enter a name for the new switch connection (e.g., **TR18300**) and click the **Add Connection** button (not shown). The **Connection Details** screen is shown. Enter the Switch Password configured in Section 5.3 and check the **Processor Ethernet** box if using the **procr** interface. Click **Apply**.

| Appli Communication Manager Interface | cation Enablen Management Co Switch Connections | Welcome: User craft Last login: Thu Aug 28 11:59:42 2014 from 10.64.10.48 Number of prior failed login attempts: 0 HostName/IP: aes6_tr1/10.64.10.21 Server Offer Type: VIRTUAL_APPLIANCE_ON_SP SW Version: 6.3.00.212-0 Server Date and Time: Wed Sep 24 15:18:02 MDT 2014 Home Help Logout | |
|--|--|---|-----------------------|
| > AE Services Communication Manager Interface Switch Connections > Dial Plan > Licensing > Maintenance > Networking > Security > Status > User Management | Connection Details - TR Switch Password Confirm Switch Password Msg Period SSL Processor Ethernet Apply Cancel | |] Minutes (1 - 72) |
| ▶ Utilities▶ Help | | | |

The display returns to the **Switch Connections** screen which shows that the **CM3010** switch connection has been added.

| Switch Connections | | | | | | | |
|--|------------------------|---------------|--|--|--|--|--|
| | Add Connection | | | | | | |
| Connection Name | Processor Ethernet | Msg Period | Number of Active Connections | | | | |
| CM2141 CM214 CM | Yes | 30 | 0 | | | | |
| СМ3010 | Yes | 30 | 0 | | | | |
| O TR18300 | Yes | 30 | 1 | | | | |
| Edit Connection Edit | PE/CLAN IPs Edit H.323 | Gatekeeper De | elete Connection Survivability Hierarchy | | | | |

Click the **Edit PE/CLAN IPs** button on the **Switch Connections** screen to configure the **procr** or **CLAN** IP Address(es) for TSAPI message traffic. The **Edit Processor Ethernet IP** screen is displayed. Enter the IP address of the **procr** interface and click the **Add/Edit Name or IP** button.

| | cation Enablement Services Management Console | Welcome: User craft Last login: Thu Aug 28 11:59:42 2014 from 10.64.10 Number of prior failed login attempts: 0 HostName/IP: aes6_tr1/10.64.10.21 Server Offer Type: VIRTUAL_APPLIANCE_ON_SP SW Version: 6.3.0.0.212-0 Server Date and Time: Wed Sep 24 15:20:43 MDT 20 | | | | | | | |
|---|---|---|--|--|--|--|--|--|--|
| Communication Manager Interface | Communication Manager Interface Switch Connections Home Help Logo | | | | | | | | |
| AE Services Communication Manager Interface | Edit Processor Ethernet IP - TR18300 | | | | | | | | |
| Switch Connections | 10.64.10.67 Add/Edit Name or IP | | | | | | | | |
| ▶ Dial Plan | Name or IP Address | Status | | | | | | | |
| ▶ Licensing | 10.64.10.67 | In Use | | | | | | | |
| ▶ Maintenance | Back | | | | | | | | |
| ▶ Networking | | | | | | | | | |
| ▶ Security | | | | | | | | | |
| ▶ Status | | | | | | | | | |
| ▶ User Management | | | | | | | | | |
| ▶ Utilities | | | | | | | | | |
| ▶ Help | | | | | | | | | |
| | | | | | | | | | |

Click the **Edit H.323 Gatekeeper** button on the **Switch Connections** screen to configure the **procr** or **CLAN** IP Address(es) for DMCC registrations. The **Edit H.323 Gatekeeper** screen is displayed. Enter the IP address of the **procr** interface and click the **Add Name or IP** button.

| AVAYA | Application Enablement Services Management Console | Welcome: User craft Last login: Thu Aug 28 11:59:42 2014 from 10.64.10.48 Number of prior failed login attempts: 0 HostName/IP: aes6_tr1/10.64.10.21 Server Offer Type: VIRTUAL_APPLIANCE_ON_SP SW Version: 6.3.0.0.212-0 Server Date and Time: Wed Sep 24 15:21:43 MDT 2014 |
|----------------------|---|--|
| Communication Manage | r Interface Switch Connections | Home Help Logout |
| ▶ AE Services | | |
| Communication Ma | nager Edit H.323 Gatekeeper - TR18300 | |
| Switch Connecti | Add Name or IP | |
| Dial Plan | Name or IP Address | |
| ▶ Licensing | • 10.64.10.67 | |
| ▶ Maintenance | Delete IP Back | |
| ▶ Networking | | |

6.2. Add TSAPI Link

Navigate to the **AE Services** \rightarrow **TSAPI** \rightarrow **TSAPI Links** page to add a TSAPI CTI Link. Click **Add Link** (not shown).

Select a **Switch Connection** using the drop down menu. Select the **Switch CTI Link Number** using the drop down menu. The **Switch CTI Link Number** must match the number configured in the **cti-link** form in **Section 5**. **4**. Select **Both** in the **Security** field.

Click Apply Changes.

| AVAYA Appl | ication Enablement Services Management Console | Welcome: User craft Last login: Thu Aug 28 11:59:42 2014 from 10.64.10.48 Number of prior failed login attempts: 0 HostName/IP: aes6_tr1/10.64.10.21 Server Offer Type: VIRTUAL_APPLIANCE_ON_SP SW Version: 6.3.0.0.212-0 Server Date and Time: Wed Sep 24 15:27:16 MDT 2014 |
|--|--|--|
| AE Services TSAPI TSAPI Links | | Home Help Logout |
| AE Services CVLAN DLG DMCC SMS TSAPI TSAPI Links | Edit TSAPI Links Link 1 Switch Connection TR18300 V Switch CTI Link Number 1 V ASAI Link Version 5 V | |
| TSAPI Properties TWS | Security Both Apply Changes Cancel Changes Advanced Setting | ngs |
| Communication Manager Interface | | - |
| ▶ Licensing | | |
| Maintenance | | |
| Networking | | |
| Security | | |
| → Status | | |
| User Management | | |
| ▶ Utilities | | |
| ▶ Help | l | |

It returns to the **TSAPI Links** screen which shows that the **TR18300** link has been added.

| Link | Switch Connection | Switch CTI Link # | ASAI Link Version | Security |
|------|-------------------|-------------------|-------------------|-------------|
| • 1 | TR18300 | 1 | 5 | Both |
| O 2 | СМ3010 | 1 | UNKNOWN | Unencrypted |
| Оз | CM2141 | 2 | UNKNOWN | Both |

Click **Edit Link** \rightarrow **Advanced Setting** to obtain the TSAPI Link that will be used by Qfiniti Observe.

| TSAPI Link - Advanced Settings | | | | | |
|--------------------------------|-------------------------------|--|--|--|--|
| Tlinks Configured | AVAYA#TR18300#CSTA-S#AES6_TR1 | | | | |
| AVAYA#TR18300#CSTA#AES6_TR1 | | | | | |

6.3. Configure User

A user needs to be created for Qfiniti Observe to communicate with AES. Navigate to User Management \rightarrow User Admin \rightarrow Add User.

Fill in User Id, Common Name, Surname, User Password and Confirm Password. Set the CT User to Yes, and Apply.

| Αναγα | Application Enablement Services Management Console | Welcome: User craft Last login: Thu Mar 6 16:15:51 2014 from 10.64.10.48 Number of prior failed login attempts: 0 HostName/IP: aes6_tr1/10.64.10.21 Server Offer Type: VIRTUAL_APPLIANCE_ON_SP SW Version: 6.3.0.0.212-0 Server Date and Time: Wed Mar 26 15:19:04 MDT 201 | | |
|--|---|--|--|--|
| User Management User Admin | Add User | Home Help Logout | | |
| AE Services Communication Manager Interface | Add User | | | |
| ► Licensing | Fields marked with * can not be empty. | | | |
| ▶ Maintenance | * User Id | | | |
| ▶ Networking | * Common Name | | | |
| ▹ Security | * Surname | | | |
| ▶ Status | * User Password | | | |
| ▼ User Management | * Confirm Password | | | |
| Service Admin | Admin Note | | | |
| ▼ User Admin | Avaya Role Vone 🔻 | | | |
| Add User | Business Category | | | |
| Change User Password List All Users | Car License | | | |
| Modify Default Users | CM Home | | | |
| Search Users | Css Home | | | |
| ▶ Utilities | CT User No T | | | |
| ▶ Help | | | | |
| | Department Number | | | |

Navigate to Security \rightarrow Security Database \rightarrow CTI Users \rightarrow List All Users.

| ▼ Security | ⊖ ctlog | ctlog | NONE | NONE |
|--|---------------|-------------|------|------|
| Account Management | O devcon | devcon | NONE | NONE |
| > Audit | O devconn | Developer | NONE | NONE |
| Certificate Management Enterprise Directory | | DevConnect | NONE | NONE |
| > Host AA | ○ interop | interop | NONE | NONE |
| ▶ PAM | O mattersight | mattersight | NONE | NONE |
| Security Database Control | qfiniti | qfiniti | NONE | NONE |
| CTI Users List All Users | O rtirouter1 | rtirouter1 | NONE | NONE |
| Search Users | O rtitele1 | rtitele1 | NONE | NONE |
| DevicesDevice Groups | O satmap | satmap | NONE | NONE |
| Tlinks Tlink Groups | O vhtaes | vhtaes | NONE | NONE |
| Worktops | Edit List All | | | |

Select the recently added user and click **Edit**. Check the box for **Unrestricted Access** and click **Apply Changes**.

| Edit CTI User | | |
|-----------------------------|---|---------|
| User Profile: | User ID | qfiniti |
| | Common Name Worktop Name | qfiniti |
| | Unrestricted Access | |
| Call and Device Control: | Call Origination/Termination and Device Status | None 🗸 |
| Call and Device Monitoring: | Device Monitoring | None v |
| | Calls On A Device Monitoring | None 🗸 |
| | Call Monitoring | |
| Routing Control: | Allow Routing on Listed Devices | None 🗸 |
| Apply Changes Cancel C | Changes | |
| | | |

7. Configure HP Qfiniti Observe

The Qfiniti product line consists of various applications. The application being certified against the AES is a call recording solution named Observe. Three recording modes were tested: Service Observe, Service Observe – No Talk and Media Streaming (Multiple Registrations). The configurations of these modes are very similar; their differences are noted below.

Service Observe

- Switch definition: Set Service Observe Button field to 268 and keep Observe String field blank.
- Logger Voice Recording Manager: Set PCM Acquisition field to "Service Observe".

Service Observe – No Talk

- Switch definition: Set Observe String field to the Feature Access Code of the SO No Talk feature (e.g., "*46").
- Logger Voice Recording Manager: Set PCM Acquisition field to "SO No Talk".

Media Streaming

• Logger Voice Recording Manager: Set PCM Acquisition field to "Media Streaming".

This document is specific to Media Streaming and that configuration is described below.

7.1. Qfiniti Configuration – Cross System

Launch the Qfiniti SysConfig program from Internet Explorer or other browser using the URL <u>http://localhost/SysConfig</u>. After logging in as user "administrator", a webpage will appear that has two tabs – General and Cross System. Select the latter to define a switch, CTI server and board configuration. Perform the steps given on the following pages.

| ep | Description | | | | | | | |
|----|--|--|--|--|----------|--|--|---------------------------|
| | Create a Switch | h Defin | | | | | | |
| | In the dialog box | x that p t the giv | ops up, specify | stem tab, click on y the Name of an A he following fields. | AES Swi | tch de | finition, then | 1 |
| | Observe Observe Interface Avaya C for AES Port - 4 | e Mode e String e Type CM Hos Device 721 | | n | , | | r or CLAN u | sed |
| | AES IP Address – IP address of the Application Enablement Services Service Observe Button – 268 (corresponds to Button 6) User Name – User ID specified in Section Error! Reference source no Password – Password specified in Section Error! Reference source no When done, click on the Ok button to close the window. The new entry will a the list of Switch definitions. Below is a screenshot showing a Switch named | | | | | ource not four | nd. | |
| | | | | | | | • • • • | r in |
| | the list of Switch "LabAES". | h defini | itions. Below i | s a screenshot show | | | named | - 🗆 X |
| | the list of Switch "LabAES". | h defini | itions. Below i | s a screenshot show | | | named | -□× ☆ ŵ |
| | the list of Switch "LabAES". | h defini | itions. Below i | s a screenshot show | ving a S | | named | -□× ☆ ŵ |
| | the list of Switch "LabAES". @finiti SysConfig - Windows Int @ @ http://localhost/Sy @finiti SysConfig | h defini | itions. Below i | s a screenshot show | ving a S | | named | -□× ☆ \$\$ |
| | the list of Switch "LabAES". | h defini | itions. Below i Switch Name: Switch Model: Vendor: Post Release Delay: Observe Mode: Observe String: | s a screenshot show | ving a S | | named | -□× ☆ ŵ |
| | the list of Switch "LabAES". | h defini ternet Explorer (sConfig) (switch Model Avaya 58700 Avaya AES/CM | itions. Below i Switch Name: Switch Model: Vendor: Post Release Delay: Observe Mode: | s a screenshot show | ving a S | witch and a second seco | Logout Qfiniti Admin Logout Qfiniti Admin Logout Qfiniti Admin Use CTI Source for Alias No No | →□× ☆ œ nistrator |
| | the list of Switch "LabAES". | h defini ternet Explorer (sConfig) (switch Model Avaya 58700 Avaya AES/CM | itions. Below i Switch Name: Switch Model: Vendor: Post Release Delay: Observe Mode: Observe String: Interface Type: Use CTI Source for Alias: APC Dialer in use?: Avaya CM Hostname: Port: | s a screenshot show | ving a S | witch and a second seco | Logout Qfiniti Admir Logout Qfiniti Admir Logout Qfiniti Admir Use CTI Source for Alias No No No | → □ × ☆ 袋 histrator |
| | the list of Switch "LabAES". Qfiniti SysConfig Windows Int Children SysConfig General Cross System Switches Name A SB800 A LabAES A SB800 A CTI Server Name A GenesysAES | h defini ternet Explorer (sConfig) (switch Model Avaya 58700 Avaya AES/CM | itions. Below i Switch Name: Switch Model: Vendor: Post Release Delay: Observe Mode: Observe String: Interface Type: Use CTI Source for Alias: APC Dialer in use?: Avaya CM Hostname: | s a screenshot show | ving a S | witch and a second seco | Logout Qfiniti Admir Logout Qfiniti Admir Logout Qfiniti Admir Use CTI Source for Alias No No No | |
| | the list of Switch "LabAES". | h defini ternet Explorer (sConfig) (switch Model Avaya 58700 Avaya AES/CM | itions. Below i Switch Name: Switch Model: Vendor: Post Release Delay: Observe Mode: Observe Mode: Observe String: Interface Type: Use CTI Source for Alias: APC Dialer in use?: Avaya CM Hostname: Port: 1st Line Appearance: AES IP Address: Service Observe Button: | s a screenshot show | ving a S | witch and a second seco | Logout Qfinti Admit Logout Qfinti Admit Use CTI Source for Alias No No No | |

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| Description | | | | | | | | | |
|--|---|---|--|--------------|-------------------|---|------------|--|--|
| Create CTI Server | | | | | | | | | |
| | | | | | | | | | |
| | In the CTI Server section, click on the New Item icon (plus sign). In the dialog box that pops up, specify the Name of a TSAPI CTI Server, then specify or select the | | | | | | | | |
| | 1,1 2 | | | · 1 | - | | | | |
| given v | alues of the fol | lowing fields. | Any fields not gi | iven below | are o | ptional. | | | |
| • | Type – Avaya | СТ | | | | | | | |
| • | Available Swi | tch – Name of | the Switch defin | ned in the p | orevio | us step | | | |
| • | Server Name - | – Hostname or | IP address of the | e Applicat | ion Er | nablement | | | |
| | Services server | | | 11 | | | | | |
| | | | ied in Section Er | ror! Refer | ence s | source not for | un | | |
| | | - | ied in Section Er | | | | | | |
| | | - | ieu ili Section El | | ence s | | uII | | |
| | Vendor – Avay | | | | | | | | |
| | | name of the TS | SAPI Link (see S | ection Err | or! Re | eference sour | ce | | |
| | not found.) | | | | | | | | |
| • | Service – CST | A | | | | | | | |
| l | | - | | | | | | | |
| When d | lone. click on tl | he Ok button t | to close the wind | ow. The ne | ew ent | try will appea | ar | | |
| | | | | | | • • • • | | | |
| When done, click on the Ok button to close the window. The new er the list of CTI Server definitions. Below is a screenshot showing a C | | | | | 07 | | | | |
| the list | of CTI Server o | definitions. Be | low is a screensh | not showin | g a Cl | ΓI Server nan | ne | | |
| | | definitions. Be | low is a screensh | not showin | g a CT | ΓI Server nan | ne | | |
| | of CTI Server of TSAPI". | definitions. Be | low is a screensh | not showin | g a CT | ГI Server nan | ne | | |
| "Avaya | TSAPI". | 2r | low is a screensh | not showin | g a CT | | | | |
| "Avaya Cooo - K | TSAPI". | 2r | | | g a CT | â |) z | | |
| "Avaya Coniti System Coniti System Coniti I | TSAPI". | er | | | g a CT | |) z | | |
| "Avaya | TSAPI". | er | | | | â | - 2 | | |
| "Avaya Coniti System Coniti System Coniti I | TSAPI". | er 🝷 🖅 🔀 🏈 Qfiniti Web Acc | | ig X | | â | - 2 | | |
| "Avaya | TSAPI". | er 🝷 🖅 🔀 🏈 Qfiniti Web Acc | cess 🔗 Qfiniti SysConfi įkvayaTSAPI | ig X | | â | - | | |
| "Avaya Ofiniti Sysco Ofiniti I General C Switches | TSAPI". | CTI Server Name: Type: | cess Ø Qfiniti SysConfi kvayaTSAPI Avaya CT | ig X | | G Logout Qfiniti Ad |) z | | |
| "Avaya Ofiniti Sysco Ofiniti Control General Co Switches Name A | TSAPI". | CTI Server Name: Type: Available Switch: | cess Ø Qfiniti SysConfi kvayaTSAPI Avaya CT LabAES | ig X | × | â |) z | | |
| "Avaya Ofiniti Sysco Ofiniti I General C Switches | TSAPI". | CTI Server Name: Type: Available Switch: ServerName: | eess Ø Qfiniti SysConfi kvayaTSAPI Avaya CT LabAES AvayaAES | ig X | | C Logout Qfiniti Ad + / Use CTI Source for Alias |) z | | |
| "Avaya Ofiniti Sysco Ofiniti Control Ofiniti I General C Switches Name A CM8800 | TSAPI". | CTI Server Name: Type: Available Switch: ServerName: User Name: | kwayaTSAPI Avaya CT LabAES AvayaAES qfiniti | ig X | × | C Logout Qfiniti Ad + Use CTI Source for Alias No |) z | | |
| "Avaya Qfiniti SysCo Qfiniti SysCo Qfiniti I General C Switches Name A CM8800 LabAES S8800 | TSAPI". | CTI Server Name: Type: Available Switch: ServerName: User Name: Password: | kwayaTSAPI Avaya CT LabAES AvayaAES qfiniti | ig X | K ards | Logout Qfinith Ad | | | |
| "Avaya Qfiniti Sysco Go Co Qfiniti I General C Switches Name A CM8800 LabAES | TSAPI". | CTI Server CTI Server Name: Type: Available Switch: ServerName: User Name: Password: Vendor: | kwayaTSAPI Avaya CT LabAES AvayaAES qfiniti eveneeaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa | ig X | K ards | Logout Qfiniti Ad Logout Qfiniti Ad Use CTI Source for Alias No No No | | | |
| "Avaya Qfiniti SysCo Qfiniti SysCo Qfiniti I General C Switches Name A CM8800 LabAES S8800 | TSAPI". | CTI Server Name: Type: Available Switch: ServerName: User Name: Password: Vendor: Driver: | kvayaTSAPI AvayaCT LabAES AvayaAES qfiniti AVAYA S8800 | ig X | K ards | Logout Qfinith Ad | | | |
| "Avaya Qfiniti SysCo Qfiniti SysCo Qfiniti I General C Switches Name A CM8800 LabAES S8800 | TSAPI". | CTI Server Name: Type: Available Switch: ServerName: User Name: Password: Vendor: Driver: Service: | kwayaTSAPI Avaya CT LabAES AvayaAES qfiniti eveneeaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa | ig X | K ards | Logout Qfiniti Ad Logout Qfiniti Ad Use CTI Source for Alias No No No | | | |
| "Avaya Qfiniti Sysco Gfiniti I General C Switches Name ^ CM800 LabAE5 S8800 CTI Server Name ^ | TSAPI". | er | kvayaTSAPI AvayaCT LabAES AvayaAES qfiniti AVAYA S8800 | ig X | K ards | Logout Qfiniti Ad Logout Qfiniti Ad Use CTI Source for Alias No No No | | | |
| **Avayaa Ofiniti Sysco Ofiniti I General C Switches Name ^ AvayaTSAPI | TSAPI". | er | kvayaTSAPI AvayaCT LabAES AvayaAES qfiniti AVAYA S8800 | ig X | K ards | Logout Qfiniti Ad Logout Qfiniti Ad Use CTI Source for Alias No No No | L Imini | | |
| "Avaya Qfiniti SysCo Go C Gfiniti 1 General C Switches Name A CM8800 LabAES S8800 CTI Server Name A AvayaSAPI GenesyaES ProactiveCont | TSAPI". solution transformed transformed | er | kvayaTSAPI AvayaCT LabAES AvayaAES qfiniti AVAYA S8800 | ig X | K ards | Logout Qfiniti Ad Logout Qfiniti Ad Use CTI Source for Alias No No No | | | |
| Control System Control System Control System Control System Control System Switches Name A CM8800 LabAES S8800 CTI Server Name A AvayaTSAPI GenesysAES | TSAPI". solution transformed transformed | er | kvayaTSAPI AvayaCT LabAES AvayaAES qfiniti AVAYA S8800 | ig X | K ards | Logout Qfiniti Ad Logout Qfiniti Ad Use CTI Source for Alias No No No No + | | | |
| Cliniti SysCo Cliniti SysCo Control Control Control Control Switches Name ^ CM8800 LabAES S8800 CTI Server Name ^ AvayaTSAPI GenersyAES ProactiveControl Board Config | TSAPI". solution transformed transformed | er | kvayaTSAPI AvayaCT LabAES AvayaAES qfiniti AVAYA S8800 | ig X | K ards | Logout Qfiniti Ad Logout Qfiniti Ad Use CTI Source for Alias No No No | | | |
| "Avaya Qfiniti SysCo Go C Gfiniti 1 General C Switches Name A CM8800 LabAES S8800 CTI Server Name A AvayaSAPI GenesyaES ProactiveCont | TSAPI". solution transformed transformed | er | kvayaTSAPI AvayaCT LabAES AvayaAES qfiniti AVAYA S8800 | ig X | K ards ards | Logout Qfiniti Ad Logout Qfiniti Ad Use CTI Source for Alias No No No No + | | | |
| Cliniti Sysco Cliniti Sysco Cliniti Sysco Cliniti Sysco Cliniti Sysco Cliniti Sysco Seneral Cliniti Sysco Switches Name A CM8800 LabAES S8800 CII Server Name A AvayaTSAPI GeneraySAES ProactiveConti Name A | TSAPI". solution transformed transformed | er | cess Qfiniti SysConfi kvayaTSAPI Avaya CT LabAES AvayaAES qfiniti •••••••• AVAYA S8800 CSTA CSTA CSTA | | K ards ards | Logout Qfiniti Ad Logout Qfiniti Ad Use CTI Source for Alias No No No No + | | | |
| **Avaya | TSAPI". solution transformed transformed | er | cess Qfiniti SysConfi kvayaTSAPI Avaya CT LabAES AvayaAES qfiniti •••••••• AVAYA S8800 CSTA CSTA CSTA | ig X | K ards ards | Logout Qfiniti Ad Logout Qfiniti Ad Use CTI Source for Alias No No No No + | | | |
| **Avaya | TSAPI". Infig - Windows Internet Explore Infig - Windows Internet Explore SysConfig ross System Refresh Refresh Switch Model Avaya S8700 Avaya AES/CM Avaya S8700 Avay | er | cess Qfiniti SysConfi kvayaTSAPI Avaya CT LabAES AvayaAES qfiniti •••••••• AVAYA S8800 CSTA CSTA CSTA | | K ards ards | Logout Qfiniti Ad Logout Qfiniti Ad Use CTI Source for Alias No No No No + | | | |

| Step | Description | | | | | | | |
|------|--|--|------------------------|----------------------------------|------------------|------------------------------|--|--|
| 3 | Define a Board Configuration (not shown) | | | | | | | |
| | Although Qfiniti uses DMCC to record a call, a board configuration is still required. In the Board Configuration section, click on the New Item icon (plus sign). In the dialog box that pops up, specify the Name for a default board and select <i>Network Interface Card</i> (<i>NIC</i>) as the Model . Keep default values for the other fields. When done, click on the Ok button to close the window. | | | | | | | |
| 4 | IMPORTANT! Press the Save button near the top of the page (below the tabs) in order to save all changes. If tabs are changed without doing this, user will be prompte to save changes first. | | | | | | | |
| | | U | If tabs are ch | anged without of | doing this, use | r will be prompted | | |
| | to save cha | anges first. Windows Internet Explorer | | anged without o | doing this, use | | | |
| | to save cha | Windows Internet Explorer ://localhost/SysConfig/ P • 4 | | anged without of | doing this, use | -□× ^ ☆ © | | |
| | to save cha | Windows Internet Explorer ://locahost/SysConfig/ P • 47 config | | | | | | |
| | to save cha | Windows Internet Explorer ://locahost/SysConfig/ P • 47 :onfig ystem | | | | -□× ^ ☆ © | | |
| | to save cha | Windows Internet Explorer ://locahost/SysConfig/ P • 47 :onfig ystem | | | | -□× ^ ☆ © | | |
| | to save cha | Windows Internet Explorer ://locahost/SysConfig/ P • 47 :onfig ystem | | | | Logout Qfiniti Administrator | | |
| | to save cha | Windows Internet Explorer ://locahost/SysConfig/ P • 47 :onfig ystem | | | | Logout Qfiniti Administrator | | |
| | to save cha | windows Internet Explorer (//iocahost/SysConfig) onfig ystem Switch Model Avaya \$8700 | X 🏠 Qfiniti Web Access | Observe Mode By Extension | X | Logout Qfiniti Administrator | | |
| | to save cha | windows Internet Explorer Windows Internet Explorer i:/localhost/SysConfig/ P • • config ystem Switch Model | X 🏠 Qfiniti Web Access | C Qfiniti SysConfig Observe Mode | X Interface Type | Logout Qfiniti Administrator | | |

7.2. Qfiniti Configuration – Voice Logger

After configuring Cross-System items, click on the **General** tab in order to define a DMCC Voice Logger system. Perform the steps given below.

IMPORTANT: All steps must be completed before the data can be saved (via the **Save** button).

| Step | Description |
|------|--|
| 1 | Create a Voice Logger System |
| | Under the General tab, click the New icon to create a Voice Logger. Provide a descriptive Name , select the Switch definition that was created in <i>Step 1</i> , and select <i>Voice Recording – Logging</i> as the System Type . A Description is optional. Check the Available for Use checkbox to make the system active. |

| Step | | | Description | | |
|------|--|-------------------|---|---------------|--|
| 2 | In the Machines running Qfiniti. | section, p | rovide the Name and IP | Address of | f the server that will be |
| | Below is a screen "certifitron1". | shot of a s | system named "DMCC] | Logger in L | ab" on a server named |
| | 🦨 Qfiniti SysConfig - Windows Inter | net Explorer | | | |
| | COO V Mttp://localhost/SysCo | onfig/ 🔎 🔸 > | 🛙 🅢 Qfiniti SysConfig 🛛 🗙 | | ሰ 🛧 🌣 |
| | Qfiniti I SysConfig | | | | Logout Qfiniti Administrator |
| | General Cross System | | | | |
| | Systems | 🕂 New 틙 Save | 🗞 Refresh 🕨 Start 🔳 Stop 🕅 Schedule Restart | | Delete |
| | QuickFind DevConnect | General | | | A 1 |
| | Development | Name: | DMCC Logger in Lab | | |
| | | Switch: | LabAES | | |
| | | System Type: | Voice Recording - Logging | | |
| | | | Voice Recording - QA | | |
| | | | Screen Recording Remote Screen Site | | |
| | | | Explore | | |
| | | | Survey | | |
| | | | Backup | | |
| | | Description: | | | |
| | | Description. | | | |
| | | | | | |
| | | 🔽 Available for U | se ? | | |
| | | | | | |
| | | Machines | | | |
| | | | | | + / > = 0 |
| | | Server Name | | IP Address | |
| | | certifitron1 | | 16.102.99.201 | |
| | | Components | | | Image: A state of the state |
| | | | | | |

| Step |
|----------|
| <u>3</u> |

| tep | Description | | | | | | | |
|-----|---|--|----------------------------------|---|----|--|--|--|
| | Configure Logger Voice Recording Manager | | | | | | | |
| | In the list of assigned comp (LRecMan). The configura | ponents, select ation paramete Select the giv ven below. ag CODEC – o – Media Strea | t Logg rs for en va | ger Voice Recording Manager this component will be displayed lues of the following fields. Keep | | | | |
| | Note : This configuration a | assumes that th | ne AE | S has been set up for G.729 code | с. | | | |
| | Components | | | | * | | | |
| | Available Components Archive Manager Central Messaging Server CMS Data Replication CTI Manager Logger Voice Recording Manager Logger Voice Recording Proxy Peak File Generator Phone Player Qfiniti File Server Qfiniti Integration Hub Qfiniti Training Server | | ÷ | Assigned Components Central Site Certifitron1 Agent Monitor Agent Monitor Alarm Manager Server Archive Manager Central Messaging Server CTI Manager CTI Manager Data Import Listener Disk Monitor Disk Monitor Signatcher Colobal Trigger Manager Logger Voice Recording Manager | | | | |
| | Component Data | | | | | | | |
| | Post Service Observe dial string: | 0.770 | | | | | | |
| | Optimal Recording CODEC: Encryption type: | G.729 No encryption | * | | | | | |
| | CTI Late Attach Method: | ConnectionID | ~ | | | | | |
| | DN Late Attach Window In Sec: | 30 | | | | | | |
| | PCM Acquisition: | Media Streaming | , v | | | | | |
| | Transaction Validation: | No | ~ | | | | | |
| | Transaction Validation Form: | trans_validation.> | sl | | | | | |
| | Service Observe fail retry delay: | 30 | | | | | | |
| | Start Recording On (CMAPI ONLY): | Alerting | * | | | | | |
| | CTI Init: | On Startup | * | | | | | |
| | Line Reset Threshold in Sec: | 0 | | | | | | |
| | | NONE | ~ | | | | | |

| Step | Description | | | | | | |
|------|-----------------------------------|---|--|--|--|--|--|
| 5 | Identify the CTI Source | entify the CTI Source | | | | | |
| | In the CTI Sources section, sele | ect the machine name, then click on the Add CTI | | | | | |
| | Source icon (plus sign). In the d | ialog box that pops up, select the name of the CTI | | | | | |
| | Server that was defined in Step 2 | 2. Specify the range(s) of Agent Extensions (or | | | | | |
| | | be used for the tests. A Queue may be specified, too. | | | | | |
| | Keep default values for the other | r fields. When done, click on the Ok button to close | | | | | |
| | the window. | | | | | | |
| | CTI Source | | | | | | |
| | | | | | | | |
| | CTI Server: | AvayaTSAPI 🗸 | | | | | |
| | PreInitExtensions: | Yes | | | | | |
| | Queue: | Enter Value | | | | | |
| | Agent Extensions: | 6210-6212 | | | | | |
| | | Enter Value | | | | | |
| | UUdata script name: | CTI_UUdataScripts_TSAPI.ini | | | | | |
| | Auto Login Extensions: | Enter Value | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | • | | | | | |
| | | Ok Cancel | | | | | |
| | | | | | | | |

| Step | Description | | | | | | | | |
|------|--|---|--|--|--|--|--|--|--|
| 6 | Define a Phon | Phone Interface | | | | | | | |
| | icon (pencil) to | nterface section, select the server name, then click on the Edit Item o define the phone interface for the logger. In the dialog box that pops select the given values of the following fields. | | | | | | | |
| | Phone INumber | Jachine Type – Logger Phone Interface Type – CMAPI ver 4.1 Jumber of Lines – quantity of stations set up in Section Error! Reference Durce not found. | | | | | | | |
| | When done, cli | ck on the Ok button to | close the window. | | | | | | |
| | | TP IP field should rem | t automatically based upon the line of bain set as "0.0.0.0" so that the Qfini | | | | | | |
| | | Server Name: Machine Type: Phone Interface Type: Number of Lines: RTP Port Range: RecMgr RTP IP: | certifitron1 Logger CMAPI ver 4.1 6 11000 - 11011 0 . 0 . 0 . 0 Ok Cancel | | | | | | |
| | | | Ok Cancel | | | | | | |

| Step | | Ι | Description | | | | | |
|------|--|--|--|-------------|--|--|--|--|
| 7 | Define a Phon | Define a Phone Class of Service | | | | | | |
| | (plus sign). In Service. Specif | Ogging Data – Phone Class of Service section, click on the New Item icon n). In the dialog box that pops up, specify the Name of a Phone Class of Specify or select the given values of the following fields. Keep default values ields not given below. | | | | | | |
| | Record Login I Board | Phone – Avaya 8410D (or any other Avaya phone model) Record on Lights – 0 Login Method – CTI Board Configuration – Use VRM Default hen done, click on the Ok button to close the window. | | | | | | |
| | | Phone Class of Service | | | | | | |
| | | Name: Phone: Record on Lights: Login Method: Logout Method: Simulated CTI: Board Configuration: | LabDMCCCOS Avaya 8410D 0 CTI select one select one Use VRM Default | ▼ ▼ ▼ | | | | |
| | | L | Ok | Cancel | | | | |

| Step | Description | | | | | | | | |
|------|---|---------------------|--------|--|--|--|--|--|--|
| 8 | Define a VRM | | | | | | | | |
| | In the VRM section, select the machine name, click on the New Item icon In the dialog box that pops up, specify the Name of a Virtual Recording M (VRM). Specify or select the given values of the following fields. Keep det for any fields not given below. | | | | | | | | |
| | VRM Type - Logging Interface Type - Station Side CMAPI Line From - 1 Line To - value <= number of lines specified in Step 10 Default Class of Service - name specified in Step 11 Default Board Config - name specified in Step 3 When done, click on the Ok button to close the window. | | | | | | | | |
| | VRM | | × | | | | | | |
| | VRM Name: | LabDMCCVRM | | | | | | | |
| | VRM Type: | Logging | ~ | | | | | | |
| | Mirror from VRM: | select one | ~ | | | | | | |
| | Interface Type: | Station Side CMAPI | ~ | | | | | | |
| | Use Range: | 🔲 (1-5, 6-100,) 🛋 🛃 | | | | | | | |
| | Line From: | 1 | | | | | | | |
| | Line To: | 3 | | | | | | | |
| | Allow Extension Duplication: | | | | | | | | |
| | Default Class of Service: | LabDMCCCOS | * | | | | | | |
| | Default Board Config: | NIC | ~ | | | | | | |
| | | Ok | Cancel | | | | | | |

| Step | Description | | | | | | | | | | |
|------|---|-----------------------|--|-----------------------|---------------------|--------------------------|------------------|--|--|--|--|
| 9 | Assign Recording Lines | | | | | | | | | | |
| | Select the VRM named in Step 12 so that the Line Data section displays a list of line | | | | | | | | | | |
| | numbers. For each line, specify the Extension of the agent device to be recorded at | | | | | | | | | | |
| | that line and a Supervisor Login and Password for one of the available Device and | | | | | | | | | | |
| | Media Control API stations that were configured in Section Error! Reference source | | | | | | | | | | |
| | not found Also select the Class of Service defined in <i>Step 11</i> (which should be the default). | | | | | | | | | | |
| | | | | | | | | | | | |
| | | Name 🛎 | Extension | Supervisor Login Name | Supervisor Password | Copy Extension | Class of Service | | | | |
| | Line 1 | 6207 | 17199 | **** | | LabDMCCCOS | | | | | |
| | Line 2 Line 3 | 6208 | 17198 17197 | **** | | LabDMCCCOS LabDMCCCOS | | | | | |
| | Line 5 | 0203 | 1/15/ | | | Labbildeeds | | | | | |
| | | | | | | | | | | | |
| 10 | IMPORT | ANT! Press t | he Save button | near the top of | of the page | e (below the t | tabs) in | | | | |
| | order to save all changes. If tabs are changed without doing this, user will be prompted | | | | | | | | | | |
| | to save changes first. | | | | | | | | | | |
| 11 | Edit the TSAPI TSLIB.INI File | | | | | | | | | | |
| | Open the 7 | <i>TSLIB.INI</i> file | LIB.INI file located in folder C:\Program Files\Avaya\AE | | | | | | | | |
| | - | | t. Add the follo | . 0 | - | • | s] section of | | | | |
| | - | not already p | | C | | J | L | | | | |
| | <aes ser<="" th=""><th>ver Client Co</th><th>nnectivity Host</th><th>tname/IP addr</th><th>ess>=450</th><th></th><th></th></aes> | ver Client Co | nnectivity Host | tname/IP addr | ess>=450 | | | | | | |
| | This line s | Qfiniti will us | se to | | | | | | | | |
| | connect to the TSAPI service on the AES server. The IP address or hostname should | | | | | | | | | | |
| | be the value that was specified in Step 2. | | | | | | | | | | |
| | Copy this file to the Windows folder, too. | | | | | | | | | | |
| | To test the connection without Qfiniti, run Avaya's TSAPI Test Application, a utility | | | | | | | | | | |
| | program of the TSAPI Client. | | | | | | | | | | |
| | program o | of the ISAPI | Client. | | | | | | | | |

| Step | Description | | | | | | | | |
|------|---|--|--|--|--|--|--|--|--|
| 12 | Verify that the Available for Use checkbox in the General section has been checked and all data has been saved. Qfiniti can now be started by clicking on the Start button at the top of the page. ¹ | | | | | | | | |
| | Qfiniti SysConfig - Windows Internet Explorer | | | | | | | | |
| | Co Co Multip://localhost/SysConfig/ PI 🔄 🛠 🥠 Qfiniti SysConfig 🗙 | | | | | | | | |
| | Qfiniti I SysConfig | | | | | | | | |
| | General Cross System | | | | | | | | |
| | Systems 🕢 🕂 New 🖫 Save 🗞 Refresh 💽 Start 🔲 Stop 🔟 Schedule Restart | | | | | | | | |
| | QuickFind General General | | | | | | | | |
| | DMCC Logger in Lab Name: DMCC Logger in Lab | | | | | | | | |
| | Switch: LabAES 🗸 | | | | | | | | |
| | | | | | | | | | |

¹ The Qfiniti Startup Service must be running in order for SysConfig to start Qfiniti. The Refresh button may be pressed first to determine the current status of the system.

8. Verification Steps

To verify the status CTI Links to AES, via SAT, use the **status aesvcs cti-link**. The **Service State** of **established** indicates that the trunk is in an operational state.

```
status aesvcs cti-link
                      AE SERVICES CTI LINK STATUS
    VersionMntAEServicesServiceMsgsBusyServerStateSent
CTI
                                                    Msgs
Link
                                                    Rcvd
            no aes6_tr1 established 15
                                                    15
1
     5
                                down
2
                                            0
            no
                                                    0
3
     4
                 AES2146
                                established 15
                                                    15
            no
```

To verify Qfiniti Observe is able to monitor the stations correctly, use the **list monitored-station** command. All the stations that are being monitored by Qfiniti Observer are as shown below:

| list monitored-station | | | | | | | | | | | |
|---|---|--|-------------------------------|-------------------------------|-------------------------------|--|--|--|--|--|--|
| MONITORED STATION | | | | | | | | | | | |
| Station Ext | Associati CTI Link | | Association 2 CTI Link CRV | Association 3 CTI Link CRV | Association 4 CTI Link CRV | | | | | | |
| 25001 25002 25003 25004 25005 25051 25101 25551 25552 | 1 1 1 1 1 1 1 1 1 | 27 25 22 15 13 17 11 8 4 | | | | | | | | | |

Place a call from an Avaya Station and verify that the audio for the call was retrieved and saved by Qfiniti Observe.

9. Conclusion

Qfiniti Observe was able to successfully interoperate with Avaya Aura® Communication Manager and Avaya Aura® Application Enablement Services.

10. Additional References

Documentation related to Avaya can be obtained from https://support.avaya.com.

- [1] Administering Avaya Aura® Communication Manager, Release 6.3, Issue 3, October 2013
- [2] Avaya Aura® Application Enablement Service Administration and Maintenance Guide, Issue 2, Release 6.3, October 2013

Documentation related to HP Qfiniti may directly be obtained from HP. [3] HP Qfiniti Configuration Guide, Version 10.1, May 2014

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