

#### Avaya Solution & Interoperability Test Lab

Application Notes for OpenText Qfiniti Observe (Media Streaming) with Avaya Aura® Application Enablement Services R7.0.1 and Avaya Aura® Communication Manager R7.0.1 using DMCC – Issue 1.0

#### **Abstract**

These Application Notes contain instructions for configuring OpenText Qfiniti Observe (Media Streaming) to interoperate with Avaya Aura® Application Enablement Services and Avaya Aura® Communication Manager.

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 configuring OpenText Qfiniti Observe (Qfiniti Observe) to interoperate with Avaya Aura® Application Enablement Services (AES) and Avaya Aura® Communication Manager (Communication Manager).

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

Qfiniti Observe registers as a stand-alone recording device for each extension that needs to be monitored. Qfiniti Observe (Media Streaming) uses the DMCC Multiple Registration method provided by AES for recording calls.

# 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 (H323 and SIP) endpoints. The feature testing included the following:

- Handling of real-time agent states and call events from Ofiniti Observe.
- Use of AES DMCC registration services to register and un-register the virtual IP Softphone, monitor 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 executed and passed.

# 2.3. Support

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

Web: http://engage.opentext.com/products/qfiniti

**Phone:** +1 (800) 540-7292

# 3. Reference Configuration

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

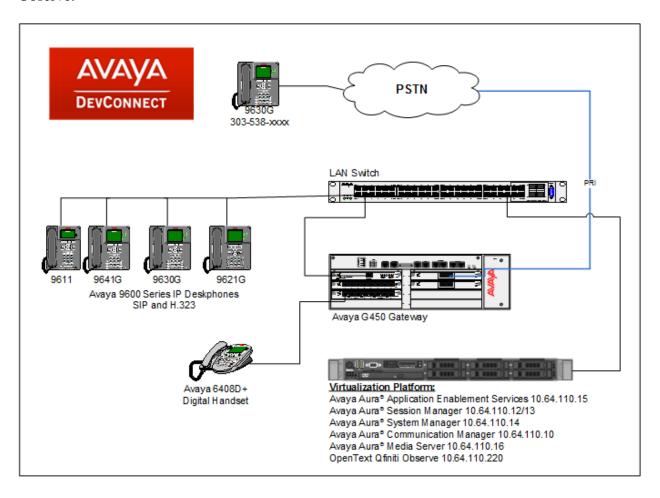


Figure 1: Test Configuration for OpenText Qfiniti Observe

# 4. Equipment and Software Validated

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

Equipment/Software	Release/Version
Avaya Aura® Communication Manager running on a	7.0.1.2.0-FP1SP2
virtual platform	7.0.1.2.0-11 131 2
Avaya Aura <sup>®</sup> Session Manager running on a virtual	7.0.1.1.701114
platform	7.0.1.1.701114
Avaya Aura® System Manager running on a virtual	7.0.1.1.065378
platform	7.0.1.1.003378
Avaya G450 Media Gateway	37.19.0
Avaya Aura® Media Server running on a virtual	7.7.0.359
platform	7.7.0.339
Avaya Aura® Application Enablement Services	7.0.1.0.0.15-0
running on a virtual platform	7.0.1.0.0.13-0
Avaya 96x1 Series IP Deskphones	96x1 SIP – 7.0.1.4
	96x1 H.323 – 6.6.4
Avaya 9600 Series IP Deskphone	96x0 H.323 – 3.2.7
Avaya TSAPI Client	7.0.1
Qfiniti Observe running on Windows Server 2012	Qfiniti 10.6

# 5. Configure Avaya Aura® Communication Manager

This section contains steps necessary to configure Qfiniti Observe successfully with 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 4**, verify **Computer Telephone Adjunct Links** is set to **y**.

```
Page 4 of 12
display system-parameters customer-options
                               OPTIONAL FEATURES
       Access Security Gateway (ASG)? n
Analog Trunk Incoming Call ID? y
p/Sys List Dialing Start at 010
    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? n
         ASAI Link Core Capabilities? y
                                                        DCS Call Coverage? y
         ASAI Link Plus Capabilities? 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 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 is used by call centers agents to log in and will also be monitored by Qfiniti Observe to receive TSAPI events and receive call recordings via DMCC. 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 11001
                                                                   Page 1 of
                                         STATION
                                         Lock Messages? n
Security Code: 123456
Coverage Path 1:
Coverage Path 2:
Hunt-to Station:
                                                                              BCC: 0
Extension: 11001
     Type: 9650
                                                                                TN: 1
                                                                               COR: 1
     Port: S00168
     Name: IP Station 1
                                                                               COS: 1
                                                                            Tests? y
STATION OPTIONS
               Location: Time of Day Lock Table:
Loss Group: 19 Personalized Ringing Pattern: 1
       Speakerphone: 2-way
Display Language: english
                                                     Message Lamp Ext: 11001
                                                 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
```

During the compliance testing, the following stations, H.323, SIP and Digital, were created for call center agents.

list station		Q.			Page 1
		_	rations -		
Ext/	Port/	Name/		Room/	Cv1/ COR/ Cable/
Hunt-to	Type	Surv GK NN	Move	Data Ext	Cv2 COS TN Jack
11001	S00168	IP Station 1			1
11002	S00171	IP Station 2			1
11003	S00004	IP Station 3			1
11004	S00005	IP Station 4			1
11005	S00008	IP Station 5			1
11101	S00100	SIP, User 1			1
11102	S00180	SIP, User 2			1
11251	001V301	Digital Statio	on 1		1

Administration for SIP Stations is performed via System Manager (not shown). Refer to documentation in **Section 10**.

## 5.3. Configure Hunt Group

Use **add hunt-group** *n* command to add a station, where *n* is an available hunt group number. Call center agents will log into this hunt group. Configure the hunt group as follows, on **Page 1**:

- In **Group Name** field, enter a descriptive name.
- In the **Group Extension** field, type in an available extension.
- Set **ACD**, **Queue**, and **Vector** fields to **y**.

```
add hunt-group 1
                                                               1 of
                                                        Page
                               HUNT GROUP
           Group Number: 1
                                                      ACD? y
            Group Name: Hunt Group 1
                                                    Queue? y
        Group Extension: 12001
                                                   Vector? y
            Group Type: ucd-mia
                   TN: 1
                  COR: 1
                                          MM Early Answer? n
                             Local Agent Preference? n
         Security Code:
ISDN/SIP Caller Display:
           Queue Limit: unlimited
Calls Warning Threshold: Port:
 Time Warning Threshold:
                            Port:
```

#### On page 2, set **Skill** to **y**.

```
add hunt-group 1

Skill? y

AAS? n

Measured: both
Supervisor Extension:

Controlling Adjunct: none

VuStats Objective:

Multiple Call Handling: none

Timed ACW Interval (sec): 1

Page 2 of 4

HUNT GROUP

Expected Call Handling Time (sec): 180

Service Level Target (% in sec): 80 in 20

Very Service Level Target (% in sec): 80 in 20

After Xfer or Held Call Drops? n
```

## 5.4. Configure Agents

Use **add agent-loginID** *n* command to add a station, where *n* is an available agent extension. This agent is used by call center agents. Configure the agent as follows, on **Page 1**:

- In **Name** field, enter a descriptive name.
- In the **Password** and **Password** (enter again) fields, type in a password.

```
add agent-loginID 1101
                                                           Page 1 of
                               AGENT LOGINID
               Login ID: 1101
                                                              AAS? n
                   Name: IP Agent 1
                                                            AUDIX? n
                    TN: 1 Check skill TNs to match agent TN? n
                    COR: 1
          Coverage Path: 1
Security Code:
                                                    LWC Reception: spe
                                           LWC Log External Calls? n
          Attribute:
                                         AUDIX Name for Messaging:
                                      LoginID for ISDN/SIP Display? n
                                                         Password: 123456
                                            Password (enter again): 123456
                                                     Auto Answer: none
                                                MIA Across Skills: system
AUX Agent Considered Idle (MIA)? n
                                       ACW Agent Considered Idle: system
                                         Aux Work Reason Code Type: system
                                          Logout Reason Code Type: system
                      Maximum time agent in ACW before logout (sec): system
                                   Forced Agent Logout Time: :
```

On Page 2, set SN to the hunt group configured in previous section and set SL to 1.

```
change agent-loginID 1101

AGENT LOGINID

Direct Agent Skill:

Call Handling Preference: skill-level

SN RL SL

1: 1 1 16:

Page 2 of 2

AGENT LOGINID

Service Objective? n

Local Call Preference? n
```

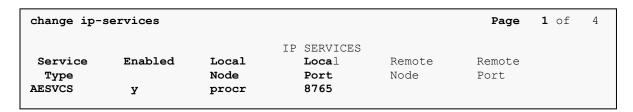
During compliance testing, following agents were added. The table below also displays the corresponding extensions that were used for logging in the agents.

list agent-	-loginID					Page 1		
	AGENT LOGINID							
Login ID	Name	Extension	Dir Agt	AAS/AUD	COR	Ag Pr SO		
	Skil/Lv Ski	.l/Lv Skil/Lv :	Skil/Lv Ski	l/Lv Skil/Lv	Skil/Lv	Skil/Lv		
1101	IP Agent 1	11001			1	lvl		
1102	IP Agent 2	11002			1	lvl		
1103	IP Agent 3	11003			1	lvl		
1104	IP Agent 4	11004			1	lvl		
1105	IP Agent 5	11005			1	lvl		
1111	SIP Agent 1	11101			1	lvl		
1112	SIP Agent 2	11102			1	lvl		
1121	Digital Agent	: 111251			1	lvl		

#### 5.5. Configure IP Services

Add an IP-Services entry, using the **change ip-services** command, for AES. 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**.



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

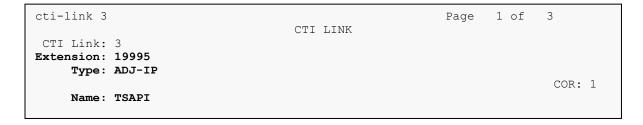
- In the **AE Services Server** field, type the host name of AES.
- In the **Password** field, type the same password to be administered on AES in **Section 6.1**.
- In the **Enabled** field, type y.

change ip-servi	change ip-services  AE Services Administration				<b>4</b> of	4
Server ID	AE Services Server	Password	Enabled	Status		
1:	aes	*	У	in use		

# 5.6. 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.



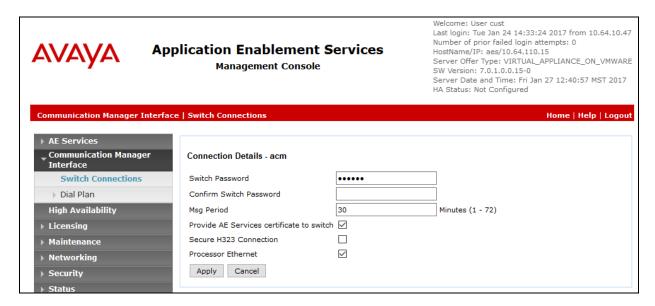
# 6. Configure Avaya Aura® Application Enablement Services

Configuration of AES requires a user account be configured for Qfiniti Observe and CTI/TSAPI configuration for Communication Manager.

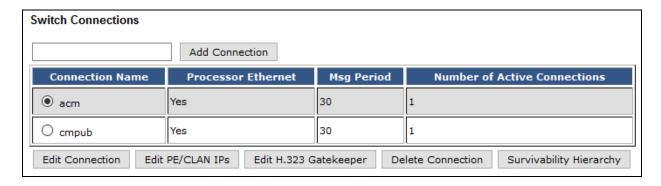
All administration is performed by web browser, <a href="https://<aes-ip-address">https://<aes-ip-address</a>/. Log in using appropriate credentials.

#### 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. **acm**) and click the **Add Connection** button (not shown). The **Connection Details** screen is shown. Enter the **Switch Password** configured in **Section 5.5** and check the **Processor Ethernet** box if using the **procr** interface. Click **Apply**.



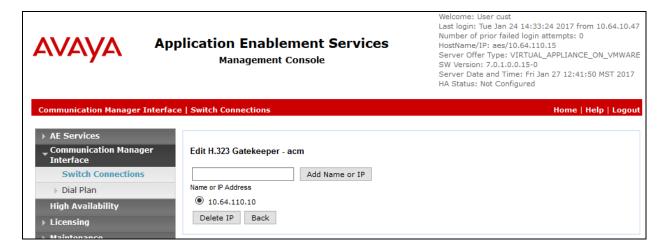
The display returns to the **Switch Connections** screen which shows that the **CM3010** switch connection has been added.



Click the **Edit PE/CLAN IPs** button on the **Switch Connections** screen to configure the **procr** or **CLAN** IP Address(es). 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.



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.

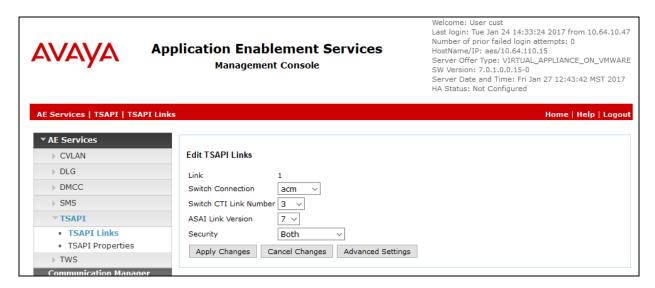


#### 6.2. Add TSAPI Link

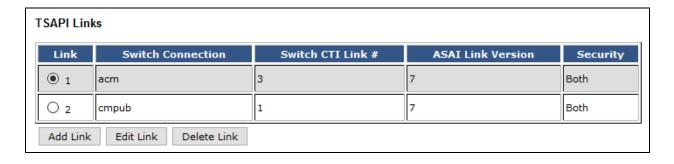
Navigate to the **AE Services** →**TSAPI** → **TSAPI Links** page to add a TSAPI CTI Link. Click **Add Link** (not shown).

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 5.6**. Select **Both** in the **Security** field.

Click **Apply Changes**.



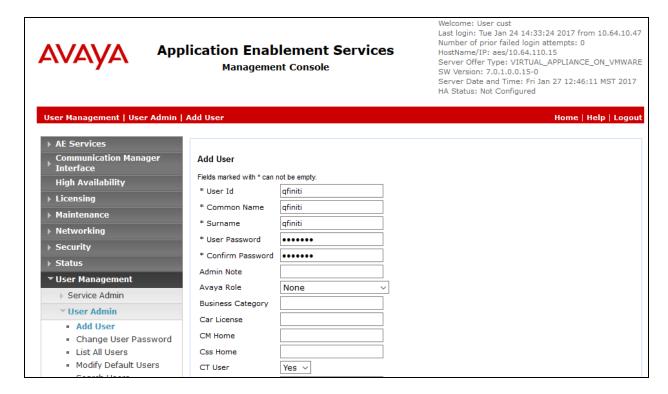
It returns to the **TSAPI Links** screen which shows that the **acm** link has been added.



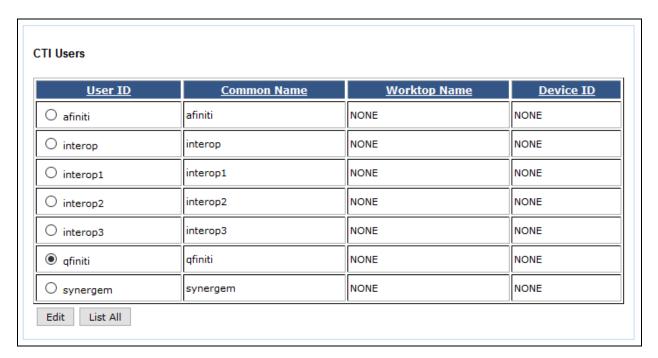
## 6.3. Configure User

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

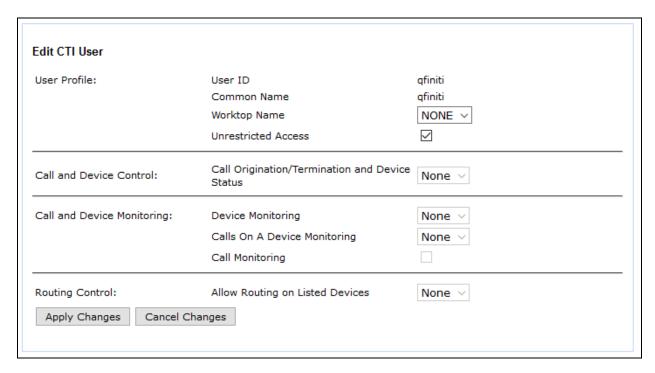
Fill in User Id, Common Name, Surname, User Password and Confirm Password. Set the CT User to Yes, and Apply.



#### Navigate to Security → Security Database → CTI Users → List All Users.

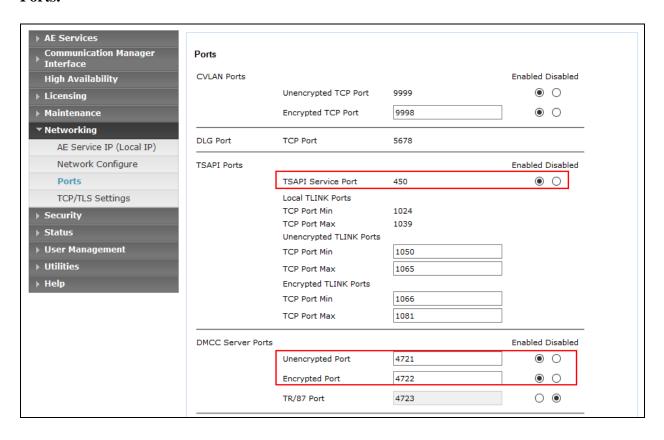


Select the recently added user and click **Edit**. Check the box for **Unrestricted Access** and click **Apply Changes**.



# 6.4. Configure Ports

To ensure that necessary TSAPI and DMCC ports are enabled, navigate to **Networking** → **Ports.** 



# 7. Configure OpenText Qfiniti Observe

The Qfiniti product line consists of various applications. Three recording modes were tested: Service Observe, Service Observe – No Talk and Media Streaming (Multiple Registrations). However, these Application Notes contain instructions for Media Streaming only, i.e., Multiple Registration method of recording calls. 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".

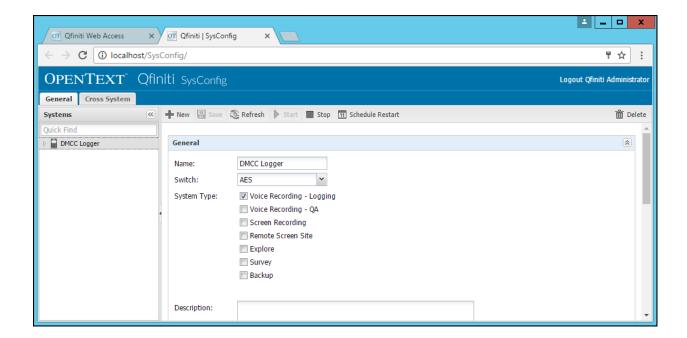
#### Media Streaming

• 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** interface via a web browser using the following URL: <a href="http://localhost/SysConfig">http://localhost/SysConfig</a>. 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.



#### 1 **Create a Switch Definition**

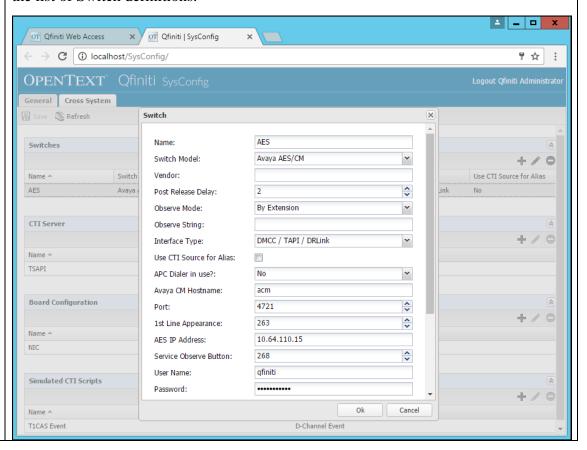
Step

In the Switches section of the Cross System tab, click on the New Item icon (plus sign). In the dialog box that pops up, specify the Name of an AES Switch definition, then specify or select the given values of the following fields. Keep default values for any fields not given below.

Description

- **Switch Model** *Avaya AES/CM*
- Post Release Delay 2 (seconds) or greater
- **Observe Mode** By Extension
- **Interface Type** *DMCC/TAPI/DRLink*
- Avaya CM Hostname Hostname of Communication Manager
- **Port** 4721
- 1<sup>st</sup> Line Appearance 263
- **AES IP Address** IP address of AES
- **Service Observe Button** 268 (corresponds to Button 6)
- User Name User ID specified in Section 6.3
- Password Password specified in Section 6.3

When done, click on the **Ok** button to close the window. The new entry will appear in the list of Switch definitions.



## 2 Create CTI Server

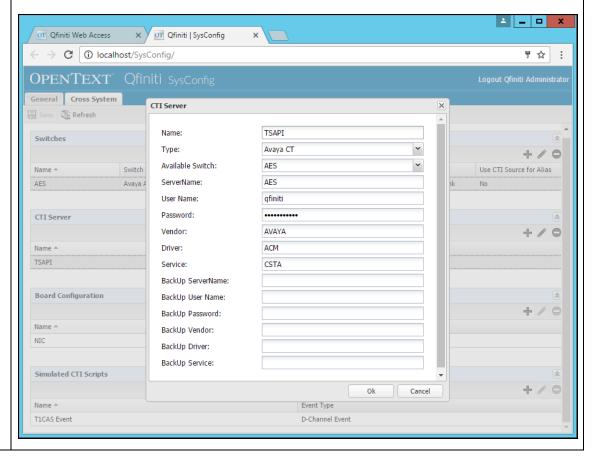
Step

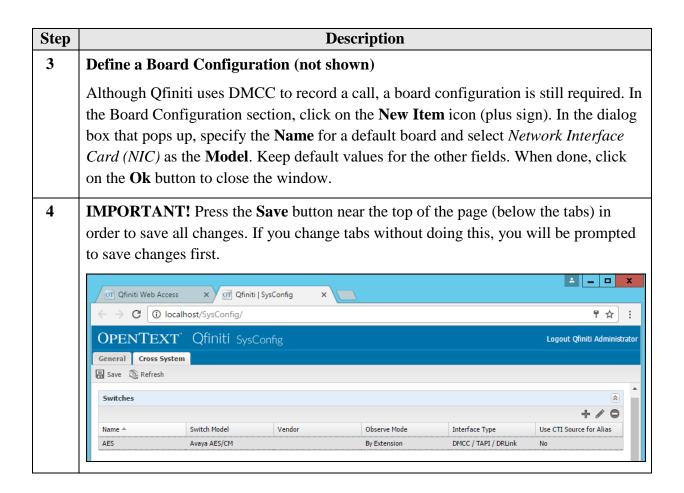
In the **CTI Server** section, click on the **New Item** icon (plus sign). In the dialog box that pops up, specify the **Name** of a TSAPI CTI Server, then specify or select the given values of the following fields. Any fields not given below are optional.

Description

- **Type** Avaya CT
- Available Switch Name of the Switch defined in the previous step
- Server Name Hostname or IP address of AES
- User Name User ID specified in Section 6.3
- Password Password specified in Section 6.3
- **Vendor** *Avaya*
- **Driver** Hostname of the TSAPI Link (see **Section 6.2**)
- Service CSTA

When done, click on the **Ok** button to close the window. The new entry will appear in the list of CTI Server definitions. Below is a screenshot showing a CTI Server named "TSAPI".

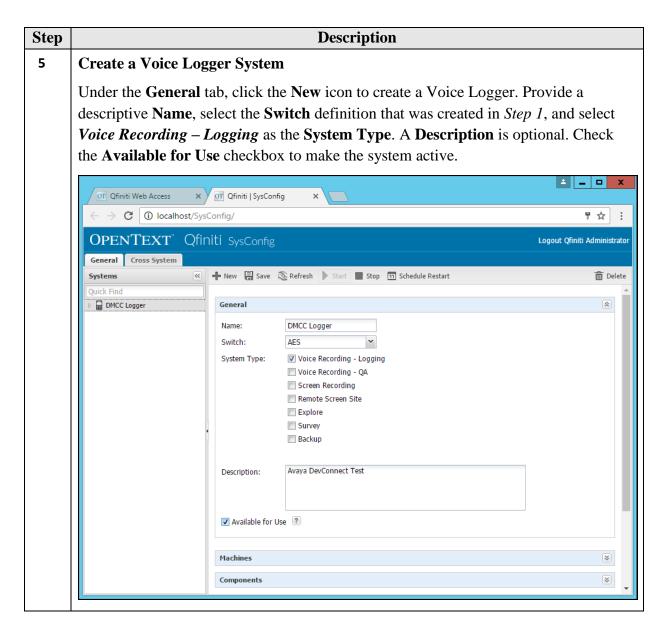


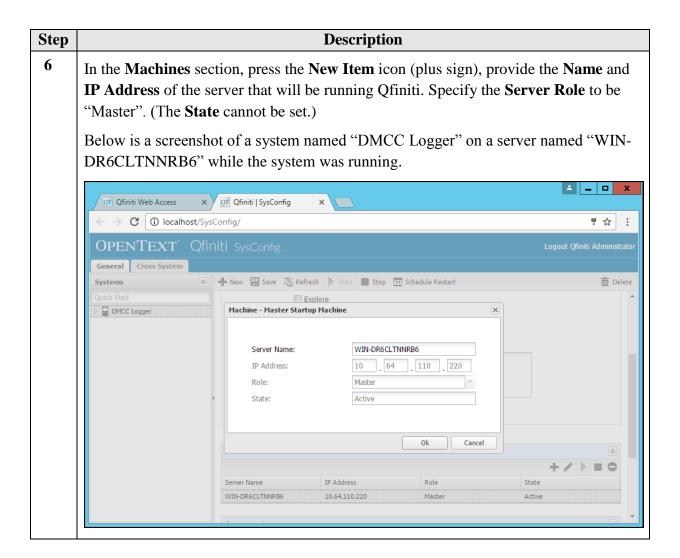


## 7.2. Qfiniti Configuration – Voice Logger

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							
7	In the Components section, assign the required Qfiniti components to the selected machine name. Note: This step is not shown in detail; it will be performed by OpenText personnel and is covered in product documentation. The minimum set of components required for use with the Avaya AES is:  • Agent Monitor • Alarm Manager Server • Archive Manager (requires additional configuration) • Central Messaging Server • CTI Manager • Data Import Listener • Disk Monitor • Dispatcher • Global Trigger Manager • IP Message Scheduler • Logger Voice Recording Manager (requires additional configuration; see Step 8) • Master Service • Peak File Generator • Plan Manager							
	Session Manager							

#### 8 **Configure Logger Voice Recording Manager**

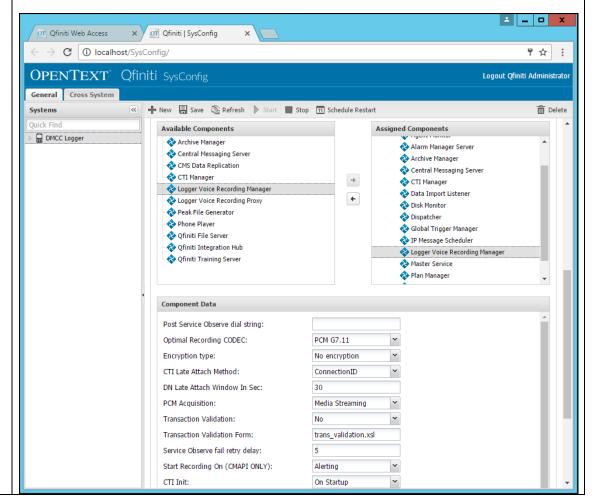
Step

In the list of assigned components, select Logger Voice Recording Manager (LRecMan). The configuration parameters for this component will be displayed in the Component Data section. Select the given values of the following fields. Keep default values for any fields not given below.

Description

- **Optimal Recording CODEC** *PCM G7.11*
- **PCM Acquisition** *Media Streaming*
- **Start Recording On** *Alerting*

**Note**: This configuration assumes that the Communication Manager has been set up for G.711 codec.

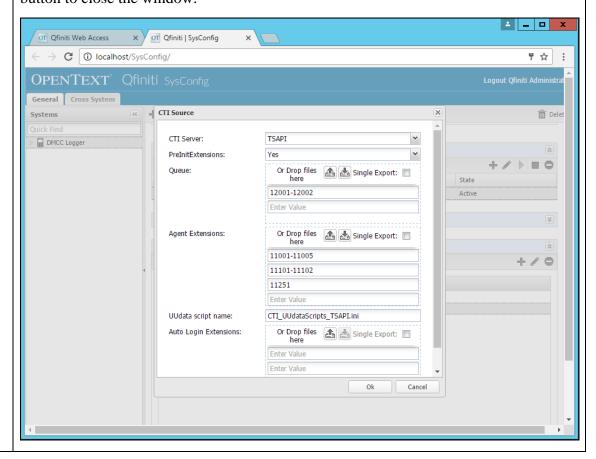


#### 9 **Identify the CTI Source**

Step

In the CTI Sources section, select the machine name, click on the Add CTI Source icon (plus sign). In the dialog box that pops up, select the name of the CTI Server that was defined in Step 2. Specify the range(s) of Agent Extensions (or individual extensions) from **Section 5.2** that will be used for the tests. A **Queue** is defined from Section 5.3. Keep default values for the other fields. When done, click on the Ok button to close the window.

Description



# Step Description

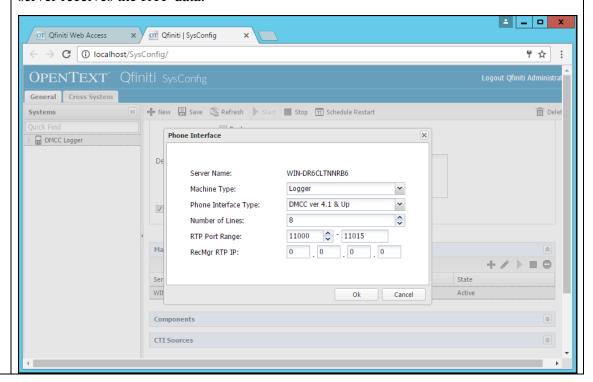
#### 10 Define a Phone Interface

In the **Phone Interface** section, select the server name, click on the **Edit Item** icon (pencil) to define the phone interface for the logger. In the dialog box that pops up, specify or select the given values of the following fields.

- **Machine Type** *Logger*
- **Phone Interface Type** *DMCC ver 4.1 & Up*
- Number of Lines quantity of stations set up in Section 5.2

When done, click on the **Ok** button to close the window.

**Note**: The **RTP Port Range** will be set automatically based upon the line quantity. The **RecMgr RTP IP** field should remain set as "0.0.0.0" so that the Qfiniti Observe server receives the RTP data.



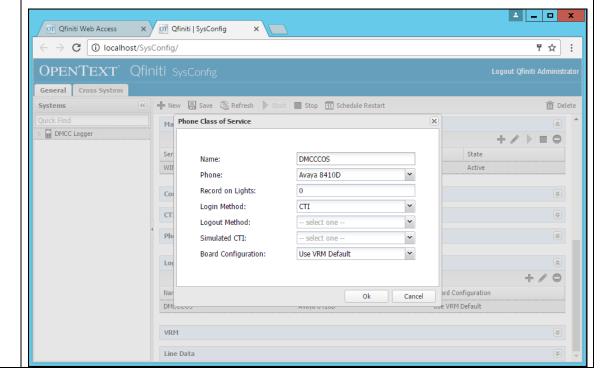
# Step | 11 Define a Phone Class of Service

In the **Logging Data – Phone Class of Service** section, click on the **New Item** icon (plus sign). In the dialog box that pops up, specify the **Name** of a Phone Class of Service. then specify or select the given values of the following fields. Keep default values for any fields not given below.

**Description** 

- **Phone** *Avaya 8410D* (or any other Avaya phone model)
- Record on Lights -0
- **Login Method** *CTI*
- **Board Configuration** *Use VRM Default*

When done, click on the **Ok** button to close the window.



## Description

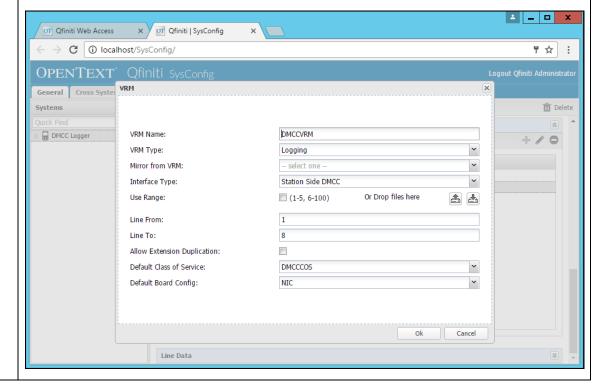
#### 12 Define a VRM

Step

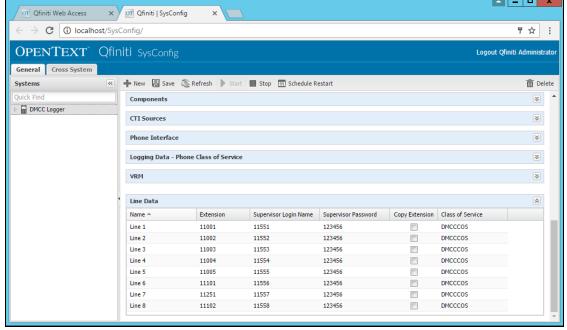
In the **VRM** section, select the machine name, and then click on the **New Item** icon (plus sign). In the dialog box that pops up, specify the **Name** of a Virtual Recording Machine (VRM). Then specify or select the given values of the following fields. Keep default values for any fields not given below.

- **VRM Type** *Logging*
- **Interface Type** *Station Side DMCC*
- **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.



# Step Description 13 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 (virtual extension, although this is not applicable for Media Streaming mode) and Password for one of the available Device and Media Control API stations that were configured in Section 5.2. Also select the Class of Service defined in Step 11 (which should be the default).



**IMPORTANT!** Press the **Save** button near the top of the page (below the tabs) in order to save all changes. If you change tabs without doing this, you will be prompted to save changes first.

# 15 Edit the TSAPI TSLIB.INI File

Step

Open the *TSLIB.INI* file located in folder **C:\Program Files\Avaya\AE Services\TSAPI Client**. Add the following line in the **[Telephony Servers]** section of the file (if not already present):

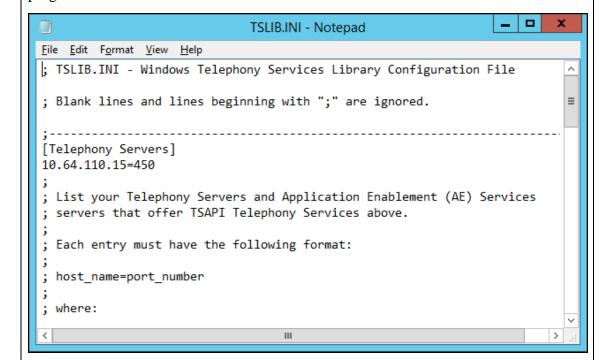
**Description** 

<AES Server Client Connectivity Hostname/IP address>=450

This line specifies the IP address (or hostname) and port that Qfiniti will use 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.



#### Step Description **16** Verify that the **Available for Use** checkbox in the General section has been checked and all data has been saved. Initially, Qfiniti must be started by going to the Windows Services Manager and starting the **Ofiniti Startup Service**. Henceforth, as long as the Startup Service is running, Qfiniti can be stopped and restarted via the **Start** and **Stop** buttons at the top of the page. The **Refresh** button may be pressed first to determine the current status of the system. \_ □ X or Qfiniti Web Access × or Qfiniti | SysConfig C (i) localhost/SysConfig/ ┦☆ : Logout Qfiniti Administrator General Cross System Systems ♣ New Save Sefresh Start Stop Schedule Restart Delete DMCC Logger General Name: DMCC Logger Switch: AES Voice Recording - OA Screen Recording Remote Screen Site Explore Survey Backup Description: Available for Use

# 8. Verification Steps

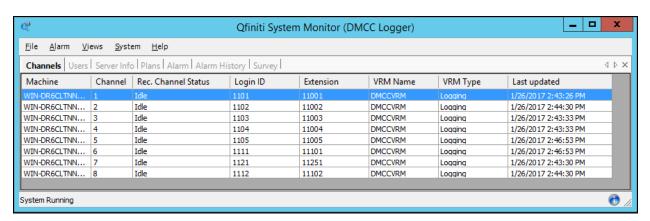
To verify the status CTI Links to AES, via SAT, use the **status aesvcs cti-link**. The **Service State** of **established** indicates that the trunk is in an operational state.

statu	status aesvcs cti-link								
			AE SERVICES	CTI LINK STAT	TUS				
CTI Link	Version	Mnt Busy	AE Services Server	Service State	Msgs Sent	Msgs Rcvd			
1 2 3	<b>5</b>	no no no	<b>aes6_tr1</b> AES2146	established down established	<b>15</b> 0 15	<b>15</b> 0 15			

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 Observe 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	1	27						
25002	1	25						
25003	1	22						
25004	1	15						
25005	1	13						
25051	1	17						
25101	1	11						
25551	1	8						
25552	1	4						

On the Qfiniti Server, open the **Qfiniti System Monitor**. Verify the **Rec. Channel Status** is **idle** for all configured lines. Also, the Agent Login IDs and Extensions can be viewed here.



## 9. Conclusion

OpenText 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 <a href="https://support.avaya.com">https://support.avaya.com</a>.

- [1] Administering Avaya Aura® Communication Manager, Release 7.0.1, Issue 2.1, August 2016
- [2] Administering and Maintaining Avaya Aura® Application Enablement Service, Issue 2, Release 7.0.1, August 2016
- [3] Administering Avaya Aura® Session Manager, Release 7.0.1, Issue 2, May 2016
- [4] OpenText Qfiniti Configuration Guide, Version 10.6, August 2016

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