

### Avaya Solution & Interoperability Test Lab

# Application Notes for NICE Engage Platform 6.15 with Avaya Avaya Proactive Contact 5.2 with PG230 and Avaya Aura® Application Enablement Services 8.1 – Issue 1.0

### **Abstract**

These Application Notes describe the configuration steps required for NICE Engage Platform 6.15 to interoperate with Avaya Proactive Contact 5.2 with PG230 and Avaya Aura® Application Enablement Services 8.1. NICE Engage Platform is a call recording solution.

In the compliance testing, NICE Engage Platform used the Event Services interface from Avaya Proactive Contact to obtain information on calls and agent states, and used the Multiple Registration feature from the Avaya Aura® Application Enablement Services Device, Media, and Call Control interface to capture media associated with the agent stations 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 NICE Engage Platform (Engage) 6.15 to interoperate with Avaya Proactive Contact 5.2 with PG230 and Avaya Aura® Application Enablement Services 8.1. Engage is a call recording solution.

In the compliance testing, Engage used the Event Services interface from Proactive Contact to obtain information on calls and agent states, and used the Multiple Registration feature from the Application Enablement Services Device, Media, and Call Control (DMCC) .XML interface to capture media associated with the agent stations for call recording.

The DMCC interface is used by Engage to register a virtual IP softphone against each agent station to pick up the media for call recording. When there was an active call at the agent station, Engage is informed of the call via events from the Event Services interface and starts the call recording by use of media from the associated virtual IP softphone. The Event Services events are also used to determine when to stop the call recordings.

Engage can be deployed with distributed components across multiple servers. The compliance testing used two Engage servers in the test configuration – one server running the Application Server, Database Server, and Interactions Center components, and the other server running the Advanced Interaction Recorder component. The Application Server component is responsible for the Engage web interface, the Interactions Center component is responsible for Event Services connection with Proactive Contact, and the Advanced Interaction Recorder component is responsible for DMCC connection with Application Enablement Services.

The compliance testing covered the recording of outbound and inbound calls that were delivered by Proactive Contact for the PG230 deployment option. The recording of inbound calls delivered by Communication Manager under the agent blending mode is outside the scope of this compliance test.

# 2. General Test Approach and Test Results

The feature test cases were performed both automatically and manually. Upon start of the Engage application, the application automatically established Event Services connection with Proactive Contact and DMCC connection with Application Enablement Services.

For the manual part of testing, each call was handled manually at the agent with generation of unique audio content for recording. Necessary agent actions such as forward work and release line were performed from the Proactive Contact Agent application running on the agent desktops to test various call scenarios.

The serviceability test cases were performed manually by disconnecting/reconnecting the Ethernet connection to Engage.

The verification of tests included use of Engage logs for proper message exchanges and use of Engage web interface for proper logging and playback of call recordings.

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.

Avaya recommends our customers implement Avaya solutions using appropriate security and encryption capabilities enabled by our products. The testing referenced in these DevConnect Application Notes included the enablement of supported encryption capabilities in the Avaya products. Readers should consult the appropriate Avaya product documentation for further information regarding security and encryption capabilities supported by those Avaya products.

Support for these security and encryption capabilities in any non-Avaya solution component is the responsibility of each individual vendor. Readers should consult the appropriate vendor-supplied product documentation for more information regarding those products.

For the testing associated with these Application Notes, the interfaces between Engage and Avaya products included encrypted Event Services and DMCC connections.

## 2.1. Interoperability Compliance Testing

The interoperability compliance test included feature and serviceability testing.

The feature testing focused on verifying the following on Engage:

- Handling of Event Services agent states and call events.
- Use of DMCC registration services to register virtual IP softphones.
- Use of DMCC device services and media control events to obtain media from the virtual IP softphones.
- Proper recording, logging, and playback of calls for scenarios involving agent drop, customer drop, hold, reconnect, simultaneous calls, forward work, long duration, multiple agents, manual call, inbound call blending, outbound call blending, and outbound agent blending scenarios.

The serviceability testing focused on verifying the ability of Engage to recover from adverse conditions, such as disconnecting and reconnecting the Ethernet connection to Engage.

#### 2.2. Test Results

All test cases were executed and verified. The following were the observations on Engage from the compliance testing.

- Recording of supervised forward work with conference scenarios are not supported in this release of Engage.
- In the unsupervised forward work scenario, the recording entry for the forward-from agent reported a hold count of "1", and the recording entry for the forward-to agent reported direction of "Outgoing".
- In the supervised forward work with transfer scenario, the recording entry for the forward-from agent reported values for hold count and hold duration. In addition, the conversation between the forward-to agent with the PSTN is part of the complete call entry for the forward-from agent.

# 2.3. Support

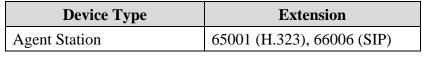
Technical support on Engage can be obtained through the following:

• Web: http://www.extranice.com

# 3. Reference Configuration

The configuration used for the compliance testing is shown in **Figure 1**. The detailed administration of basic connectivity between Communication Manager and Proactive Contact, between Communication Manager and Application Enablement Services, and of call center devices are not the focus of these Application Notes and will not be described.

The agent station extensions used in the compliance testing are shown in the table below.



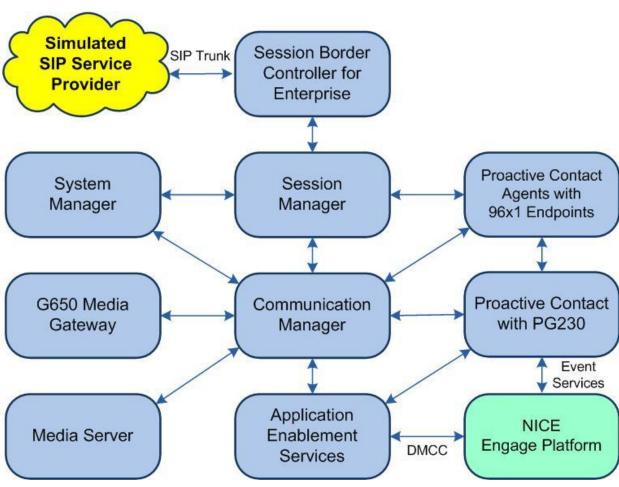


Figure 1: Compliance Testing Configuration

# 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 in Virtual Environment	8.1.1 (8.1.0.1.1.890.25763)
Avaya G650 Media Gateway	NA
Avaya Aura® Media Server in Virtual Environment	8.0.1.121
Avaya Aura® Application Enablement Services in Virtual Environment	8.1.1 (8.1.1.0.1.8-0)
Avaya Aura® Session Manager in Virtual Environment	8.1.1 (8.1.1.0.811021)
Avaya Aura® System Manager in Virtual Environment	8.1.1 (8.1.1.0.0310912)
Avaya Proactive Contact	5.2.0.1
Avaya Proactive Contact Agent	5.2.0.1
Avaya 9611G IP Deskphone (H.323)	6.8202
Avaya 9641G IP Deskphone (SIP)	7.1.6.1.3
NICE Engage Platform on Windows Server 2016  • Application Server  • Interactions Center  • Database Server  • Avaya Proactive Contact Event SDK	6.15.0001.77 Standard
NICE Engage Platform on Windows Server 2016  • Advanced Interaction Recorder  • Avaya DMCC XML	6.15.0001.77 Standard 7.0.0.38

# 5. Configure Avaya Aura® Communication Manager

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

- Administer IP codec set
- Administer agent station

#### 5.1. Administer Codec Set

Use the "change ip-codec-set n" command, where "n" is an existing codec set number used for integration with Engage. For **Audio Codec**, enter the relevant codec.

In the compliance testing, "G.711MU" and "G.729" were configured, and this codec set was used by the agent stations.

### 5.2. Administer Agent Station

Use the "change station n" command, where "n" is the first non-SIP agent station extension from **Section 3**. Enable **IP SoftPhone** to allow a virtual IP softphone to be registered against the station. Note the value of **Security Code**, which will be used later to configure Engage.

Repeat this section to administer all non-SIP agent stations from **Section 3**. In the compliance testing, one agent station was administered.

```
change station 65001
                                                                                       1 of
                                                                               Page
                                             STATION
                                            Security Code: 65001

Coverage Path 1: 1

Coverage Path 2:

Hunt-to Station:
Extension: 65001
                                                                                      BCC: 0
     Type: 9611
                                                                                       TN: 1
     Port: S000103
Name: CM Station 1
                                                                                     COR: 1
                                        Coverage ....
Hunt-to Station:
                                                                                      cos: 1
                                                                                    Tests: v
Unicode Name? n
STATION OPTIONS
                                                    Time of Day Lock Table:
         Loss Group: 19

Personalized Ringing Pattern: 1

Message Lamp Ext: 65

Speakerphone: 2-way

Display Language: english

Button Modules: 0
                                                         Message Lamp Ext: 65001
 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
```

# 6. Configure Avaya Aura® Application Enablement Services

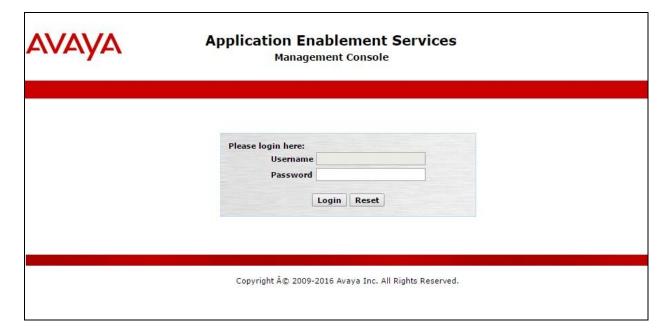
This section provides the procedures for configuring Application Enablement Services. The procedures include the following areas:

- Launch OAM interface
- Verify license
- Administer H.323 gatekeeper
- Administer NICE user
- Administer security database
- Administer ports
- Restart services
- Export CA certificate

#### 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 screen below is displayed. Log in using the appropriate credentials.

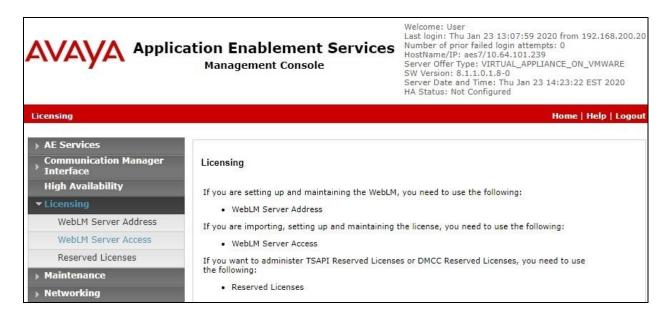


The **Welcome to OAM** screen is displayed next.



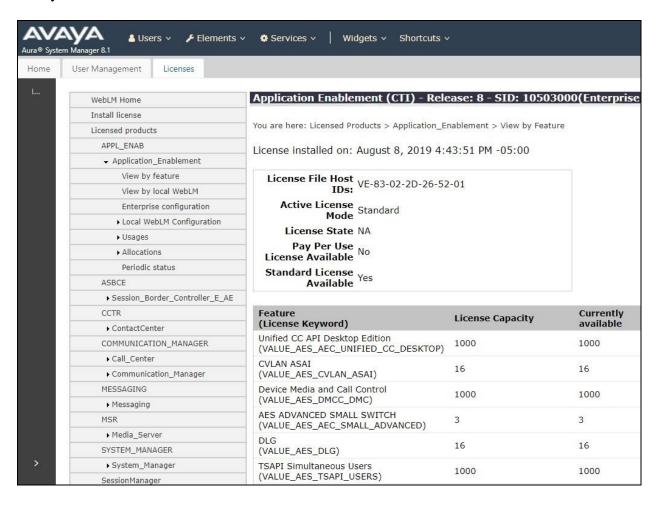
### 6.2. Verify License

Select **Licensing WebLM Server Access** in the left pane, to display the applicable WebLM server log in screen (not shown). Log in using the appropriate credentials and navigate to display installed licenses (not shown).



Select Licensed products  $\rightarrow$  APPL\_ENAB  $\rightarrow$  Application\_Enablement in the left pane, to display the Application Enablement (CTI) screen in the right pane.

Verify that there is sufficient license for **Device Media and Call Control** as shown below.



### 6.3. Administer H.323 Gatekeeper

Select Communication Manager Interface  $\rightarrow$  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 "cm7", and select the corresponding radio button. Click **Edit H.323 Gatekeeper**.



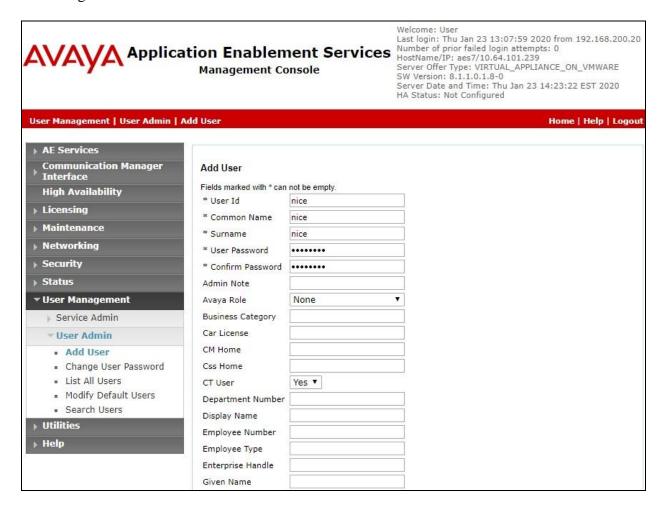
The **Edit H.323 Gatekeeper** screen is displayed next. Enter the IP address of a C-LAN circuit pack or the Processor C-LAN on Communication Manager to use as the H.323 gatekeeper, in this case "10.64.101.236" as shown below. Click **Add Name or IP**.



#### 6.4. Administer NICE User

Select User Management  $\rightarrow$  User Admin  $\rightarrow$  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.

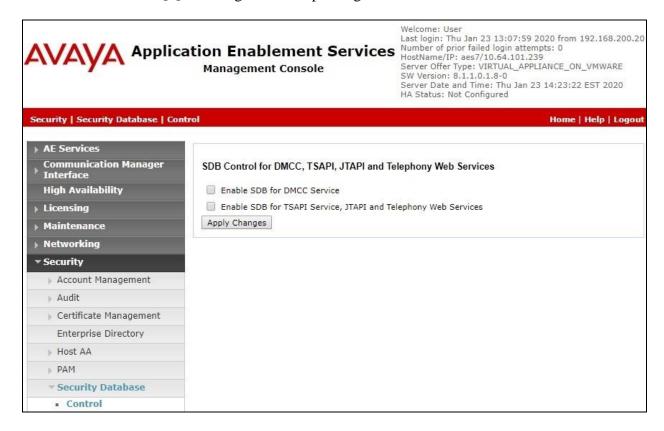


### 6.5. Administer Security Database

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.

Make certain both parameters are unchecked, as shown below.

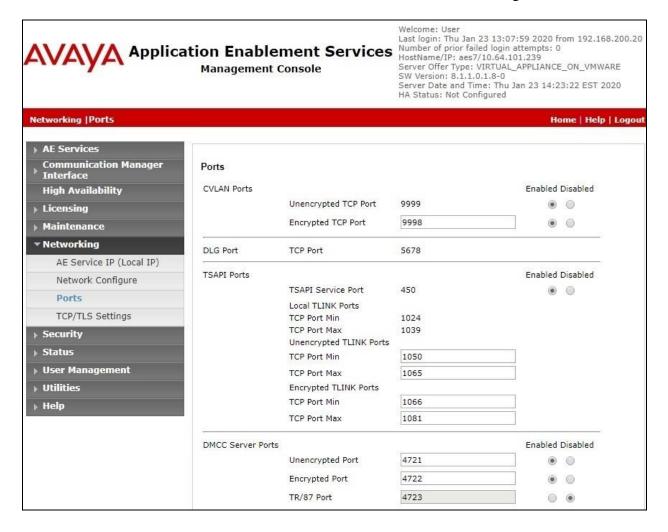
In the event that the security database is used by the customer with parameters already enabled, then follow reference [2] to configure access privileges for the NICE user from **Section 6.4**.



#### 6.6. Administer Ports

Select **Networking \rightarrow Ports** from the left pane, to display the **Ports** screen in the right pane.

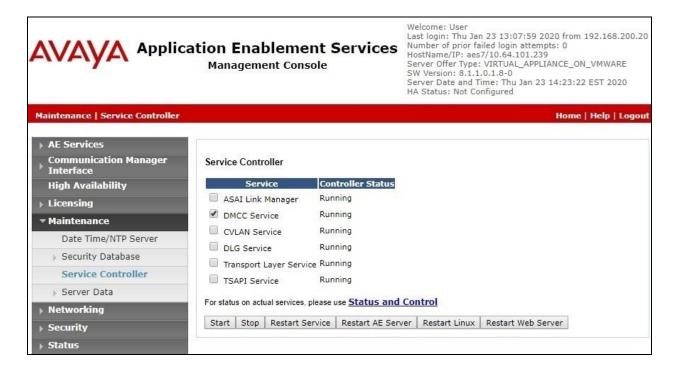
In the **DMCC Server Ports** section, select the radio button for **Encrypted Port** under the **Enabled** column, as shown below. Retain the default values in the remaining fields.



#### 6.7. Restart Services

Select Maintenance  $\rightarrow$  Service Controller from the left pane, to display the Service Controller screen in the right pane.

Check DMCC Service and select Restart Service.



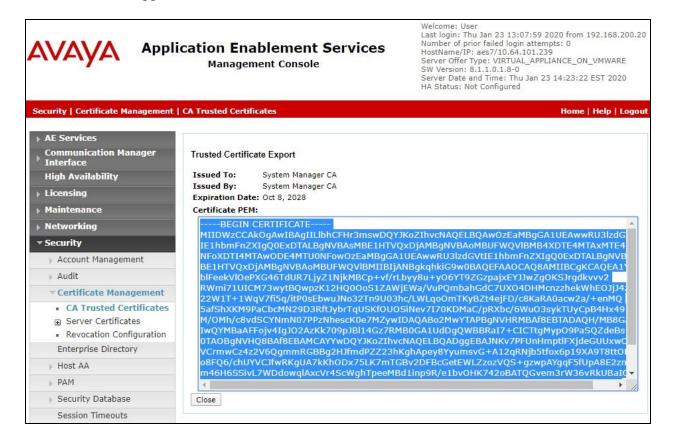
## 6.8. Export CA Certificate

Select the pertinent CA certificate, in this case "SystemManagerCA", and click Export.



The **Trusted Certificate Export** screen is displayed. Select and copy everything from the **BEGIN CERTIFICATE** to the **END CERTIFICATE** (not shown) lines. Paste the copied content to a Notepad file and save with a desired file name such as "caSMGR.crt".

This CA certificate needs to be installed on Engage for establishment of encrypted DMCC connection with Application Enablement Services.



# 7. Configure Avaya Aura® Session Manager

This section provides the procedures for configuring Session Manager, which is performed via the web interface of System Manager. The procedures include the following areas:

- Launch System Manager
- Administer users

### 7.1. Launch System Manager

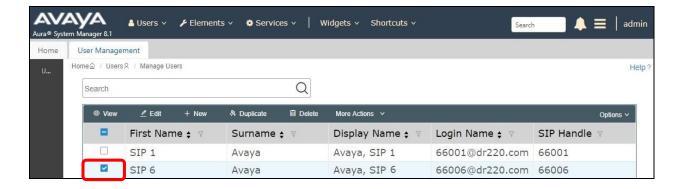
Access the System Manager web interface by using the URL "https://ip-address" in an Internet browser window, where "ip-address" is the IP address of System Manager. Log in using the appropriate credentials.



#### 7.2. Administer Users

In the subsequent screen (not shown), select **Users**  $\rightarrow$  **User Management** from the top menu. Select **User Management**  $\rightarrow$  **Manage Users** (not shown) from the left pane to display the screen below.

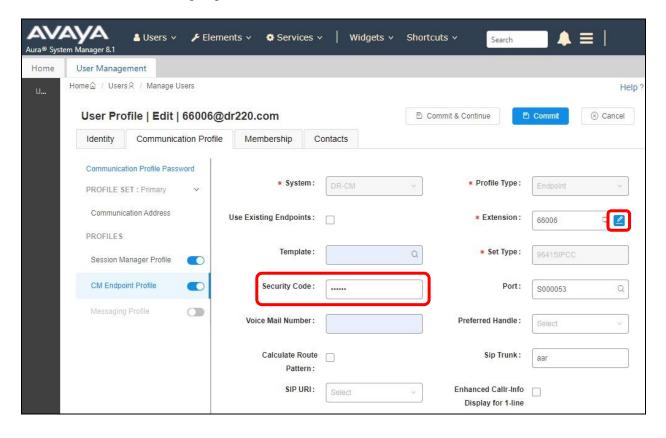
Select the entry associated with the first SIP agent station from **Section 3**, in this case "66006", and click **Edit**.



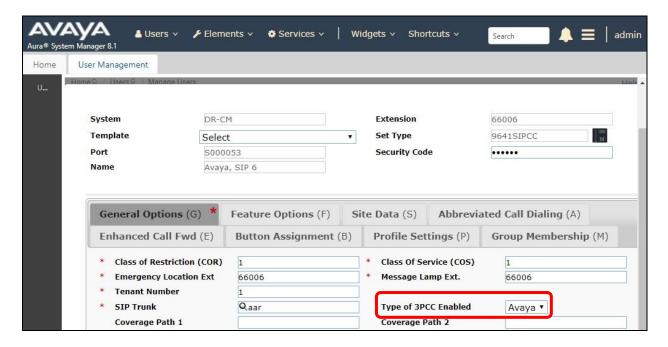
The **User Profile** | **Edit** screen is displayed. Select the **Communication Profile** tab, followed by **CM Endpoint Profile** to display the screen below.

For **Security Code**, enter a desired code, in this case "123456". This security code is used for multiple registration authentication against a SIP endpoint when the security database is disabled in **Section 6.5**.

Click on the editor icon highlighted below.

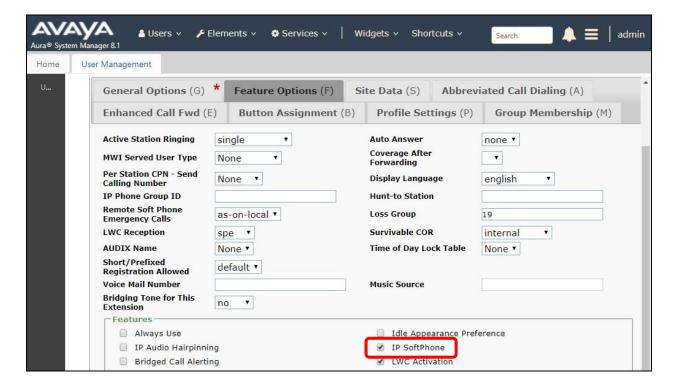


The popped-up screen below is displayed. Select the **General Options** tab, and set **Type of 3PCC Enabled** to "Avaya".



Select the **Feature Options** tab, and check **IP Softphone**.

Repeat this section to administer all SIP agent user from **Section 3**. In the compliance testing, one agent user was administered.



# 8. Configure Avaya Proactive Contact

This section provides the procedures for configuring Proactive Contact. The procedures include the following areas:

- Obtain host name
- Obtain permission files

#### 8.1. Obtain Host Name

Log in to the Linux shell of the Proactive Contact server. Use the "hostname" command to obtain the host name, which will be used later to configure Engage.

In the compliance testing, the host name of the Proactive Contact server is "lzpds4b", as shown below.

\$ hostname
lzpds4b

#### 8.2. Obtain Permission Files

Use a tool such as WinSCP, to copy the following permission files from the Proactive Contact server, which will be used later to configure Engage.

- /opt/avaya/pds/openssl/certificate/corbaServer\_cert.pem
- /opt/avaya/pds/openssl/cacertificate/ProactiveContactCA.pem
- /opt/avaya/pds/openssl/private/corbaServer\_key.pem

# 9. Configure NICE Engage Platform

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

- Launch Engage web interface
- Administer CTI for PC
- Administer CTI for AES
- Administer Interactions Center
- Administer certificates
- Restart services
- Administer system mapping
- Administer agent users

The configuration of Engage is performed by NICE engineers. The procedural steps are presented in these Application Notes for informational purpose.

Prior to configuration, a pertinent interactions center is assumed to be pre-configured, and with TLS 1.2 enabled on the server running the Advanced Interaction Recorder component.

## 9.1. Launch Engage Web Interface

Access the Engage web interface by using the URL "http://hostname/nice" in an Internet Explorer browser window, where "hostname" is the host name of the Engage server with the Application Server component. The **Welcome** screen below is displayed. Log in using the appropriate credentials.



The NICE screen below is displayed next. Select Administration → System Administrator followed by Settings → Technician Mode from the top menu.

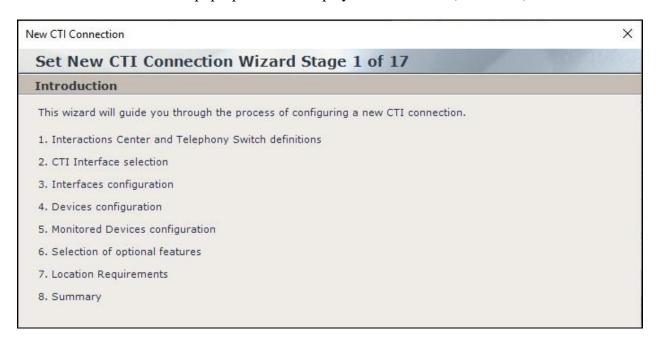


#### 9.2. Administer CTI for PC

Expand **Organization**  $\rightarrow$  **Master Site** as shown below. Right click on **CTI Integrations** and select **New CTI Connection** to add a connection with Proactive Contact.



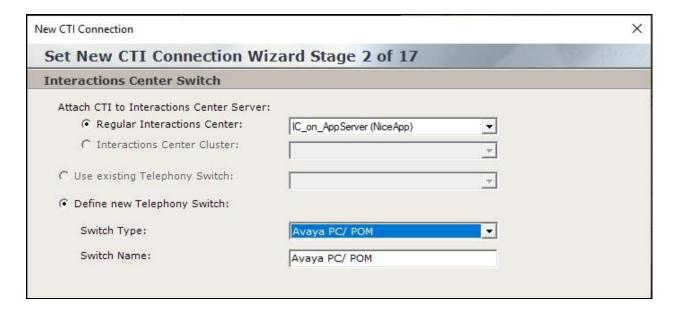
The **New CTI Connection** pop-up screen is displayed. Click **Next** (not shown).



The **Stage 2** screen is displayed as shown below.

For **Regular Interactions Center**, select the pertinent center, in this case "IC\_on\_AppServer (NiceApp)" which was pre-configured.

For **Switch Type**, select "Avaya PC/ POM", which auto populates **Switch Name** with the same value.

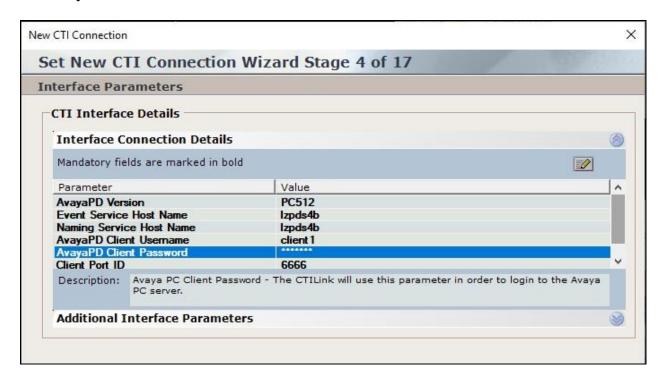


Proceed to **Stage 3**. Retain "Event Service" as the default value for **Avaya PC/ POM CTI Interface** as shown below.

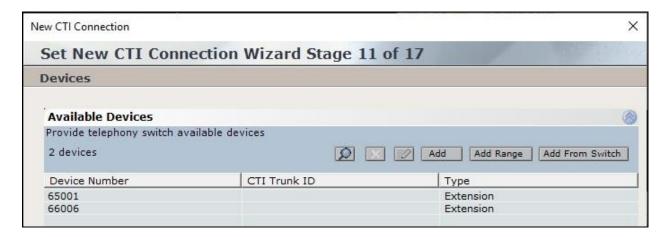


Proceed to **Stage 4**. Enter the following values for the specified fields and retain the default values for the remaining fields.

AvayaPD Version: The closest version number, in this case "PC512".
Event Service Host Name: The Proactive Contact host name from Section 8.1.
Naming Service Host Name: The Proactive Contact host name from Section 8.1.
AvayaPD Client Username: The Proactive Contact Event Service client credentials.
AvayaPD Client Password: The Proactive Contact Event Service client credentials.



Proceed to **Stage 11**. Select **Add** to add a device entry for each agent station extension from **Section 3**. Set **Device Number** to the agent station extension and **Type** to "Extension" as shown below.



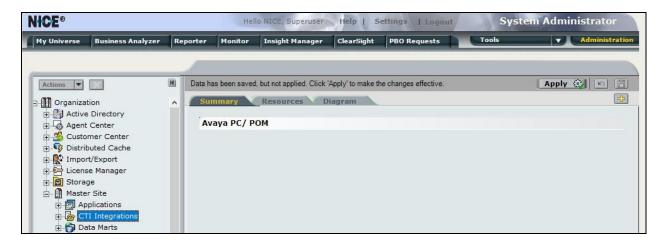
Proceed to Stage 13, and check Call Flow Analysis.

Proceed to complete the wizard.

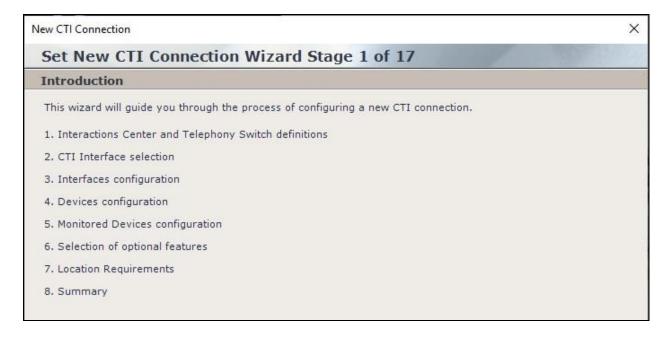


#### 9.3. Administer CTI for AES

The **NICE** screen is updated to reflect the newly added CTI connection as shown below. Right click on **CTI Integrations** again and select **New CTI Connection** to add a connection with Application Enablement Services.

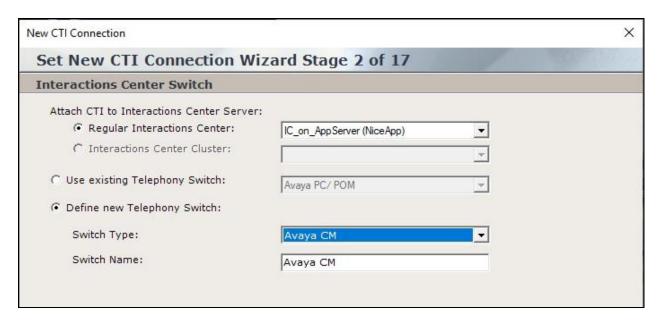


The **New CTI Connection** pop-up screen is displayed as shown below. Click **Next** (not shown).



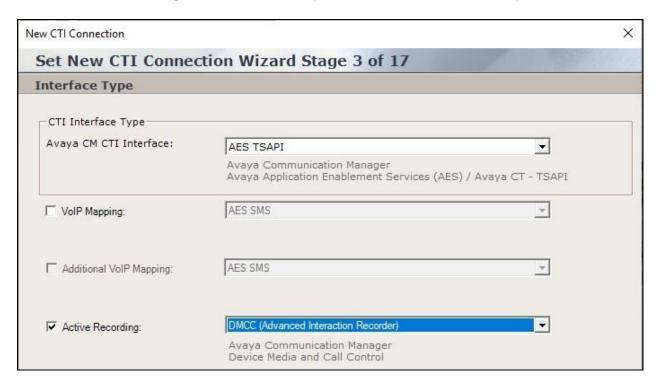
The **Stage 2** screen is displayed. For **Regular Interactions Center**, select the pertinent center, in this case "IC\_on\_AppServer (NiceApp)" which was pre-configured.

For **Switch Type**, select "Avaya CM", which auto populates **Switch Name** with the same value.



Proceed to Stage 3. For Avaya CM CTI Interface, select "AES TSAPI".

Check **Active Recording** and select "DMCC (Advanced Interaction Recorder)" as shown below.



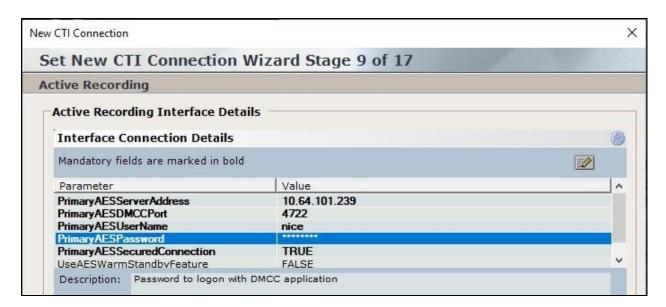
Proceed to **Stage 4**. Enter desired strings for **ServerName**, **LoginID**, and **Password**. These parameters are not pertinent to the integration but are required to be configured.



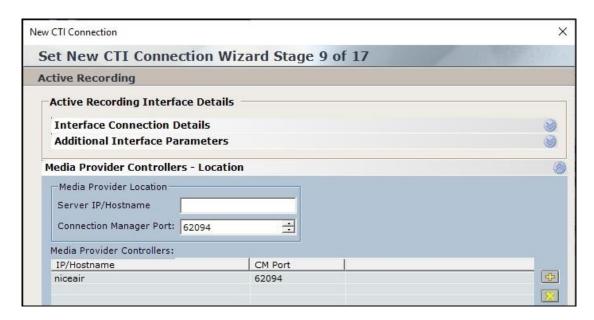
Proceed to **Stage 9**. Enter the following values for the specified fields and retain the default values for the remaining fields.

• PrimaryAESServerAddress: IP address of the Application Enablement Services server.

PrimaryAESUserName: The NICE user credentials from Section 6.4.
 PrimaryAESPassword: The NICE user credentials from Section 6.4.



Expand **Media Provider Controllers** – **Location** toward bottom of screen. Enter host name of the Engage server with the Advanced Interaction Recorder component, in this case "niceair", and click the add icon. The resultant screen is shown below.



Proceed to **Stage 11**. Select **Add** to add a device entry for each agent station extension from **Section 3**. Enter the following values for the specified fields (not shown) and retain the default values for the remaining fields.

• **Device Type:** "Extension"

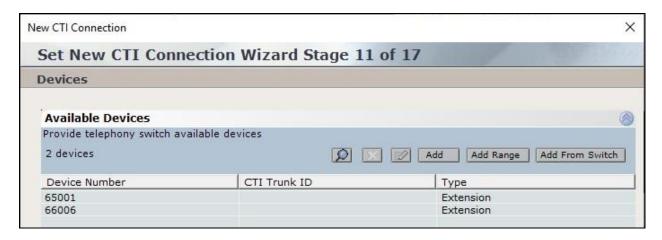
• **Device Number:** The agent station extension from **Section 3**.

• Observation Type: "Non-Resource-Based"

SymbolicName: The switch connection name from Section 6.3, in this case "cm7".
 CodecsList: Check pertinent codec, which were G711U and G729 in the testing.

• EncAlgList: Check "AES\_128\_HMAC".

In the compliance testing, two entries were created as shown below.



Proceed to **Stage 12**. Select all pertinent devices from the left pane and move to the right. The screen below shows the result of the move.



Proceed to **Stage 16**. For **Port**, select an available port number, in this case "62095" as shown below. Proceed and complete the wizard.



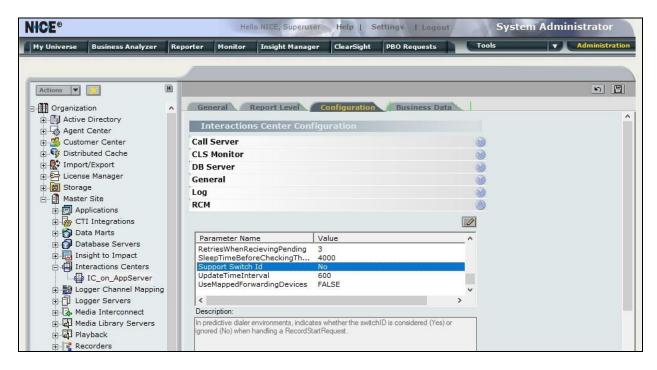
#### 9.4. Administer Interactions Center

From the **NICE** screen, expand **Master Site**  $\rightarrow$  **Interactions Center** and select the pertinent center, in this case "IC on AppServer", which was pre-configured.

Select the **General** tab in the right pane, and check **Voice** as shown below.



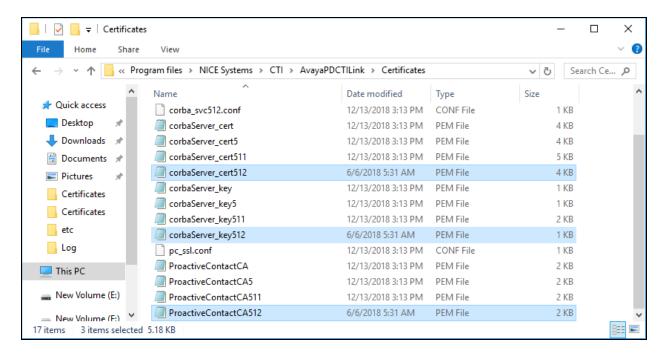
Select the **Configuration** tab and expand **RCM** in the right pane. Locate the **Support Switch Id** parameter and set it to "No" as shown below.



#### 9.5. Administer Certificates

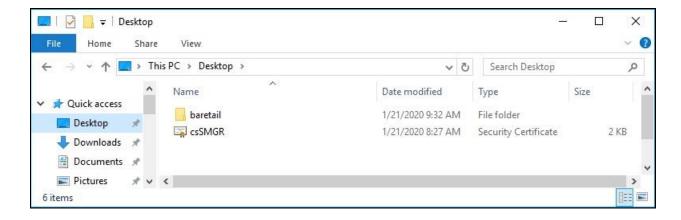
From the Engage server running the Interactions Center component, navigate to the **D:\Program** files\NICE Systems\CTI\AvayaPDCTILink\Certificates directory.

Rename the three Proactive Contact permission files obtained from **Section 8.2** to end with the configured AvayaPD version from **Section 9.2** and paste into the directory as shown below.



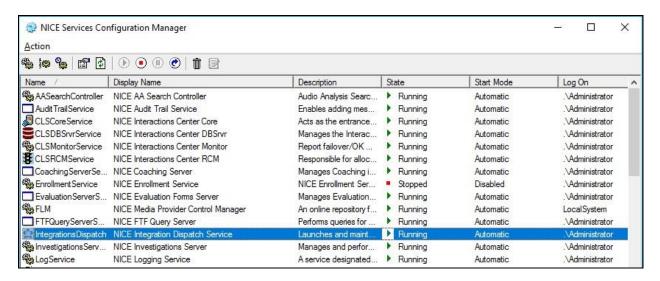
From the Engage server running the Advanced Interaction Recorder component, copy the CA certificate from **Section 6.8** to a desired directory.

Double click on the certificate and install onto the server.

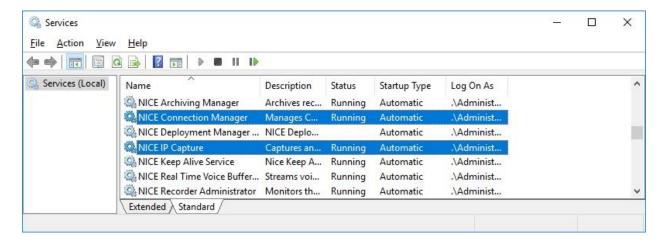


#### 9.6. Restart Services

From the Engage server running the Interactions Center component, navigate to Windows > Nice Systems and launch Nice Service Configuration Manager. The NICE Services Configuration Manager screen below is displayed. Restart the IntegrationsDispatch service.



Restart the **NICE Connection Manager** and **NICE IP Capture** services shown below.

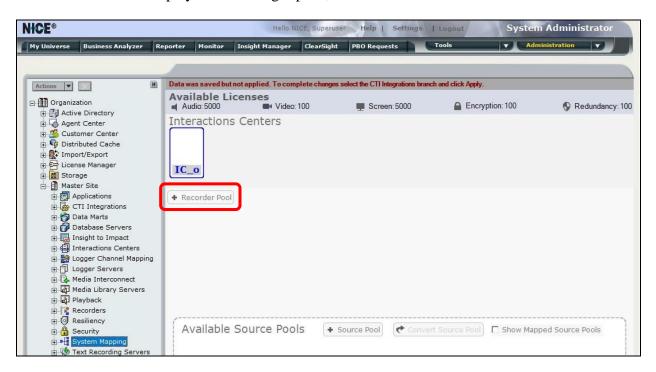


## 9.7. Administer System Mapping

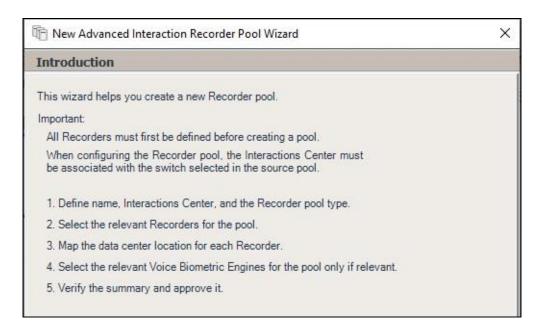
From the NICE screen, select Master Site → System Mapping.

#### 9.7.1. Recorder Pool

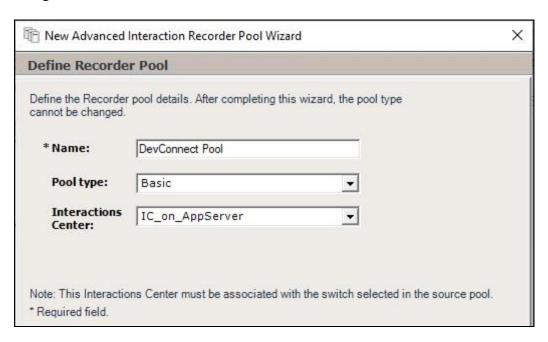
The screen below is displayed. In the right pane, select + **Recorder Pool**.



The **New Advanced Interaction Recorder Pool Wizard** pop-up screen is displayed as shown below. Click **Next** (not shown).

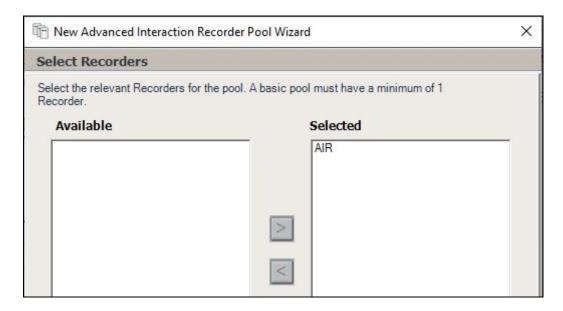


The screen below is displayed next. Enter a descriptive **Name** and retain the default values in the remaining fields.



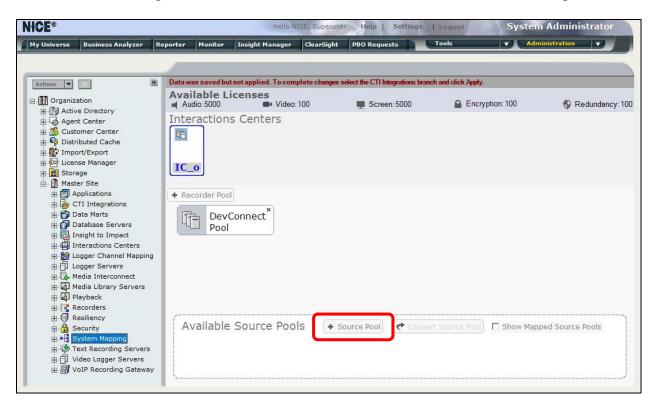
In the next screen, select the relevant and pre-existing recorder from the left pane and move to the right. The screenshot below shows the result of the move.

Proceed to complete the wizard.

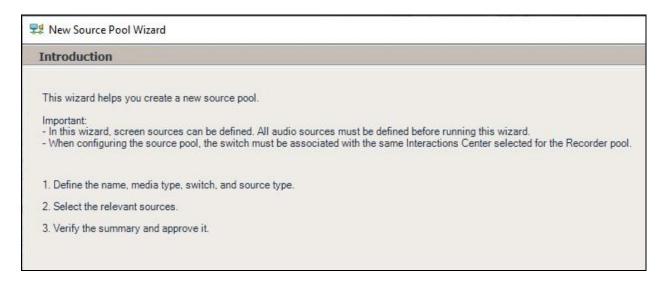


#### 9.7.2. Source Pool

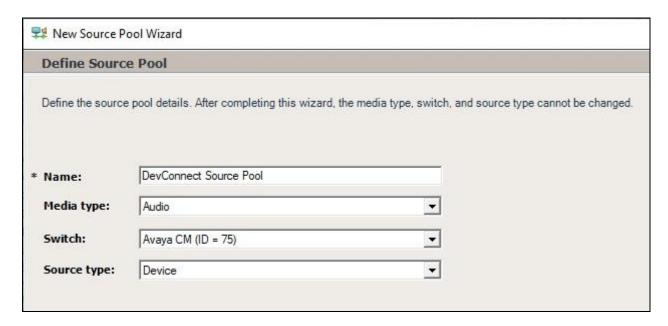
The **NICE** screen is updated as shown below. Select + **Source Pool** to add a source pool.



The **New Source Pool Wizard** pop-up screen is displayed. Click **Next** (not shown).

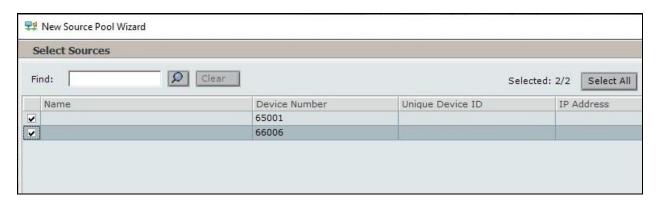


The screen below is displayed next. Enter a descriptive **Name**. For **Switch**, select the switch name from **Section 9.3**.



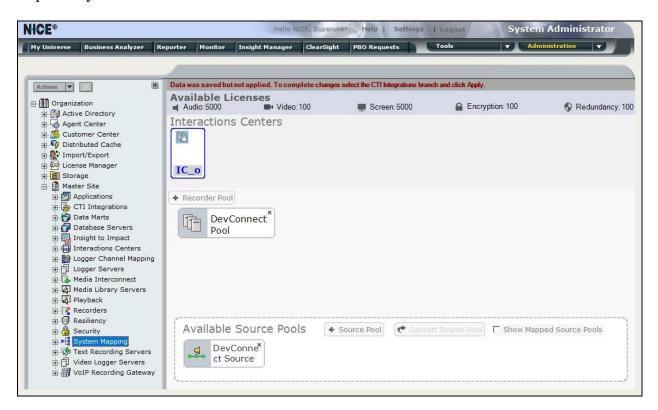
In the next screen, select the relevant device entries as shown below.

Proceed to complete the wizard.

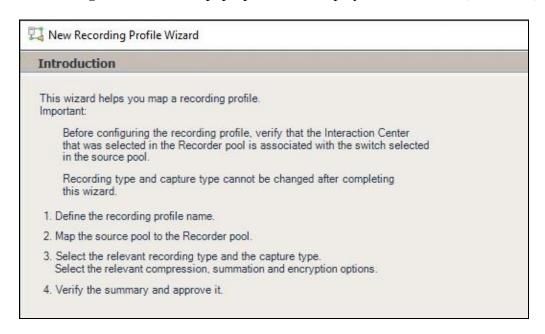


### 9.7.3. Recording Profile

The **NICE** screen is updated as shown below. Drag the created source pool below and drop on top of the created recorder pool, in this case **DevConnect Source** and **DevConnect Pool** respectively.



The **New Recording Profile Wizard** pop-up screen is displayed. Click **Next** (not shown).



The screen below is displayed next. Enter a descriptive **Name**.

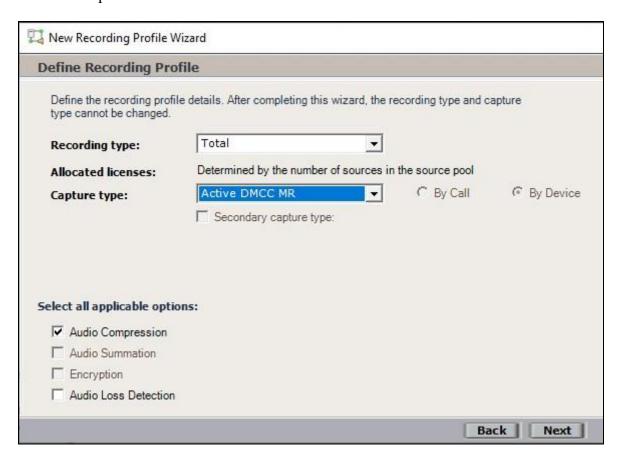


In the next screen, enter the following values for the specified fields and retain the default values for the remaining fields.

• **Recording type:** "Total"

Capture type: "Active DMCC MR"Audio Compression: Check this option.

Proceed to complete the wizard.



## 9.8. Administer Agent Users

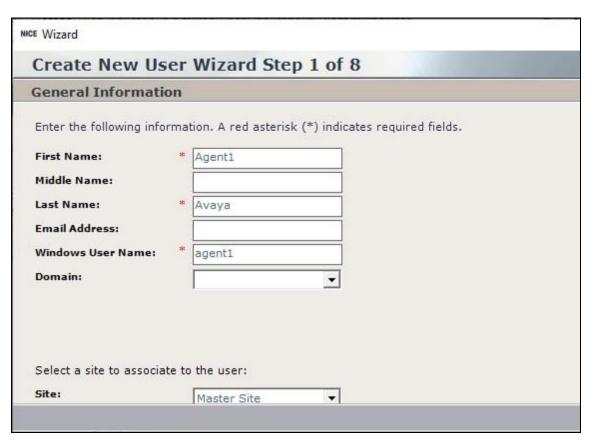
The NICE screen is displayed again. Select Administration → User Administrator from the top menu, followed by New User.



The Create New User Wizard pop-up screen is displayed. Click Next (not shown).



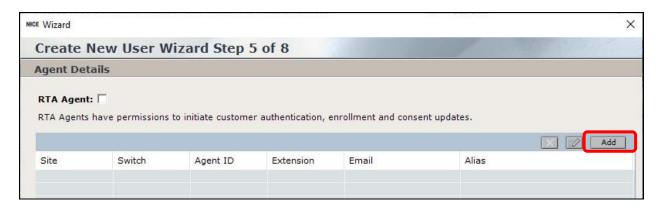
The **Step 1** screen displayed next. Enter pertinent values for **First Name**, **Last Name**, and **Windows User Name** for the first agent user from **Section 3**. Retain the default values in the remaining fields.



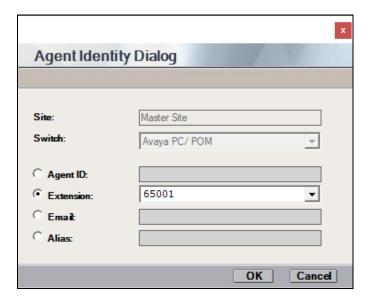
Proceed to **Step 4** and check the **Agent** user type shown below.



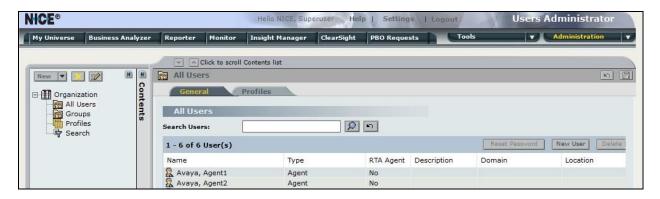
Proceed to **Step 5** and click **Add**.



The **Agent Identity Dialog** pop-up box is displayed. For **Switch**, select the switch name from **Section 9.2**. Select **Extension** and enter the first agent user extension from **Section 3**. Retain the default values in the remaining fields and proceed to complete the Wizard.



Repeat this section to add an agent user for each agent station extension in **Section 3**. In the compliance testing, two agent users were created as shown below.



# 10. Verification Steps

This section provides the tests that can be performed to verify proper configuration of Communication Manager, Application Enablement Services, Proactive Contact, and Engage.

## 10.1. Verify Avaya Aura® Communication Manager

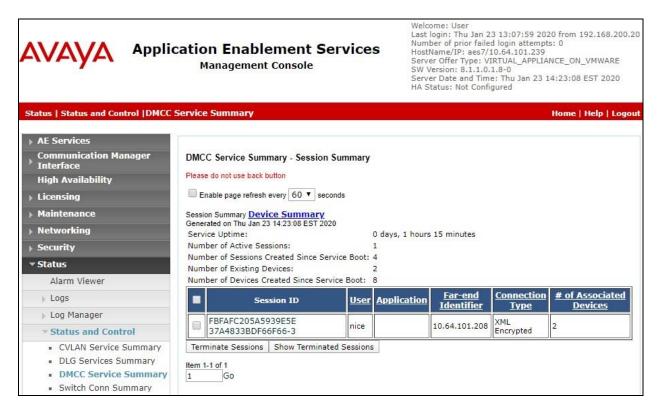
On Communication Manager, verify the registration status of virtual IP softphones by using the "list registered-ip-stations" command. Verify that there is an entry for each agent station extension from **Section 3** along with the IP address of the Application Enablement Services server, as shown below.

list registered-ip-stations					
		REGISTERED	IP STATIONS		
Station Ext or Orig Port Socket	Set Type/ Net Rgn		Station IP Address/ Gatekeeper IP Address		
65001 tls	9611 1		192.168.200.217 10.64.101.236		
65001 tcp	9611 1	IP_API_A 3.2040	10.64.101.239 10.64.101.236		
66006	9641SIPCC	IP_API_A	10.64.101.239		
tep	1	3.2040	10.64.101.236		

## 10.2. Verify Avaya Aura® Application Enablement Services

On Application Enablement Services, verify 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 NICE user name from **Section 6.4**, and that the # **of Associated Devices** column reflects the number of agent users in **Section 3**, in this case "2".



# 10.3. Verify Avaya Proactive Contact

Log in to the Linux shell of Proactive Contact and issue the "netstat | grep enserver" command. Verify that there is an entry showing an **ESTABLISHED** connection with the IP address of the Engage server running the Interactions Center component, in this case "10.64.101.207", as shown below.

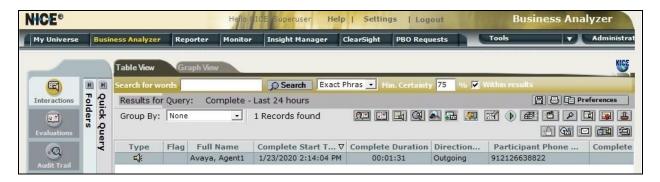
tcp	0	<pre>0 lzpds4b:enserver_ssl</pre>	10.64.101.207:51104	ESTABLISHED
tcp	0	0 lzpds4b:enserver ssl	lzpds4b:31478	ESTABLISHED
tcp	0	0 lzpds4b:31478	lzpds4b:enserver_ssl	ESTABLISHED

## 10.4. Verify NICE Engage Platform

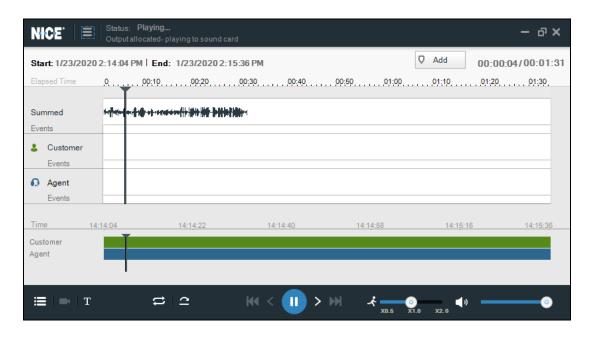
Start a job on Proactive Contact and log an agent in to handle and complete an outbound call. From the **NICE** screen, select **Business Analyzer** from the top menu to display the screen below. Select **Queries**  $\rightarrow$  **Public**  $\rightarrow$  **Complete** – **Last 2 hours** from the left pane.



Verify that there is an entry in the right pane reflecting the last call, with proper values in the relevant fields. Double click on the entry.



Verify that the pop-up screen below is displayed and that the recording can be played back.



### 11. Conclusion

These Application Notes describe the configuration steps required for NICE Engage Platform 6.15 to successfully interoperate with Avaya Proactive Contact 5.2 with PG230 and Avaya Aura® Application Enablement Services 8.1. All feature and serviceability test cases were completed with observations noted in **Section 2.2**.

### 12. Additional References

This section references the product documentation relevant to these Application Notes.

- **1.** *Administering Avaya Aura*® *Communication Manager*, Release 8.1.x, Issue 5, November 2019, available at <a href="http://support.avaya.com">http://support.avaya.com</a>.
- **2.** Administering Aura® Application Enablement Services, Release 8.1.x, Issue 3, October 2019, available at http://support.avaya.com.
- **3.** Administering Avaya Aura® Session Manager, Release 8.1.1, Issue 2, October 2019, available at http://support.avaya.com.
- **4.** Administering Avaya Proactive Contact, Release 5.2, Issue 1, July 2018, available at <a href="http://support.avaya.com">http://support.avaya.com</a>.
- **5.** System Administrator Configuration Guide, NICE Engage Platform 6.x, Revision A4, September 2018, available at <a href="http://www.extranice.com">http://www.extranice.com</a>.
- **6.** Avaya PC Active-Passive Connectivity Guide, NICE Engage Platform 6.x, Revision C8, January 2018, available at http://www.extranice.com.
- **7.** Avaya CM Active Connectivity Guide, NICE Engage Platform 6.x, Revision B3, October 2019, available at <a href="http://www.extranice.com">http://www.extranice.com</a>.

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