

Avaya Solution & Interoperability Test Lab

Application Notes for configuring NICE Interaction Management R4.1 with Avaya Proactive Contact R5.0.1, Avaya Aura® Communication Manager R6.2 and Avaya Aura® Application Enablement Services R6.2 using Service Observe for recording – Issue 1.0

Abstract

These Application Notes describe the configuration steps for provisioning NICE Interaction Management R4.1 with Avaya Proactive Contact R5.0.1 to record calls handled by Avaya Proactive Contact Agents.

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 outline the steps necessary to configure Interaction Management R4.1 from NICE to successfully interoperate with Avaya Proactive Contact R5.0.1 and Avaya Aura® Application Enablement Services R6.2 to record voice calls handled by Avaya Aura® Communication Manager endpoints. NICE Interaction Management is a software-only solution for voice call recording that offers various recording, playback and archiving features and options.

These Application Notes focus on using Service Observe in order to record the RTP from each deskphone on an Avaya Proactive Contact or ACD call. NICE Interaction Management records calls triggered by events received via Avaya Proactive Contact Event Services. When a call is to be recorded, NICE Interaction Manager uses TSAPI provided by Avaya Aura® Application Enablement Services to Service Observe a defined agent endpoint on Avaya Aura® Communication Manager.

2. General Test Approach and Test Results

The interoperability compliance testing evaluates the ability of Interaction Management to record voice using Service Observe by way of events captured by its TSAPI interface with Application Enablement Services (AES) and Agent API interface with Proactive Contact. The feature test cases are performed both automatically and manually. Outbound calls are automatically placed by Proactive Contact, and inbound calls are manually placed and delivered via a simulated PSTN connection on Communication Manager. Agents log into different Proactive Contact Jobs to verify proper generation and handling of events from Proactive Contact Agent Event Services. All test cases were executed.

The compliance testing incorporated both Intelligent Call Blending (ICB) and Proactive Agent Blending (PAB) on Proactive Contact. ICB distributes a blend of inbound and outbound calls to Proactive Contact agents. With ICB, agents handle outbound calls until there are more inbound calls than available inbound agents. ICB passes the excess inbound calls to the blend agents. When the inbound call volume decreases, Proactive Contact returns to passing outbound calls to the blend agent.

Proactive Agent Blending integrates outbound calling activities on Proactive Contact with inbound calling activities on Communication Manager. Agent Blending monitors the activity on the ACD to determine when to move agents between inbound and outbound calling activities. The dialer acquires the agents configured for Agent Blend for outbound calling when the inbound calling activity decreases. The dialer releases the Agent Blend agents to inbound calling when the inbound calling activity increases. The automated movement of agents between inbound and outbound work maximises agent productivity and contributes to keeping the ACD service level within configured prescribed limits.

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

Compliance Testing focuses on verifying events from Proactive Contact Event Services and verifying Recordings for all calls associated with the following jobs on Proactive Contact.

- Outbound
- Preview/Managed
- Inbound
- Intelligent Call Blend
- Proactive Agent Blend

Events and recordings were observed and verified for the following scenarios.

- Proactive Contact Agent Events –Login, Logout, Leave Job, Join Job, Release Line, Finish Work etc
- Proactive Contact Call Events Hold, Retrieve, Call transfer, Conference, Agent drop, Customer drop, Release line/Hang-up, and Finish work
- TSAPI Events Events showing Service Observe and triggers to record inbound calls under PAB scenario
- Recordings of Calls—Test call recording for agent calls on each job type, and under various call scenarios
- Failover testing The behaviour of Interaction Management under different simulated LAN failure conditions
- Verification of accurate call data including time stamp, call parties, business data and call duration
- Verification of recording quality

2.2. Test Results

All compliance test cases passed successfully with the following observations:

An extra 0 second duration call is seen in the scenario where agent1 in a blend job
forwards work to agent2 in an inbound job either unattended or supervised. No call
recording is lost.

2.3. Support

Support from Avaya is available at http://support.avaya.com and support from NICE can be obtained as shown below.

NICE International Corporate Headquarters, Israel

Tel: +972 9 775 3800 Email: support@nice.com

3. Reference Configuration

The diagram below, **Figure 1**, shows the compliance tested configuration which includes Proactive Contact R5.0 using PG230 Hard Dialer connected to an ISDN PRI DS1 board in a G450 Gateway controlled by Communication Manager running on an S8800 Server. NICE Interaction Management obtains events from Avaya Proactive Contact and using Application Enablement Services it records the RTP using the Service Observe method.

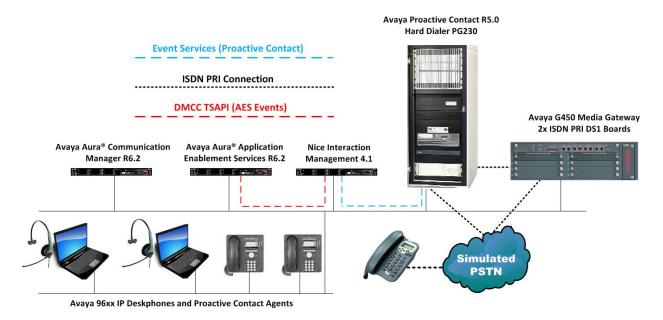


Figure 1: NICE Interaction Management R4.1 interoperability with Avaya Proactive Contact R5.0, Avaya Aura® Communication Manager R6.2 and Avaya Aura® Application Enablement Services R6.2

4. Equipment and Software Validated

The following equipment and software was used for the compliance test.

Equipment	Software
Avaya Aura® Communication	R6.2 SP3
Manager running on Avaya S8800	R016x.02.0.823.0-20001
Server	
Avaya Aura® Application	R6.2
Enablement Services running on	
Avaya S8800 Server	
G450 Media Gateway	31.22.0
MM710AP Media Module	HW5 FW022
Avaya Proactive Contact running	R5.0.1 with patch 301, 302, 307, 309, 323, 328
on Avaya S8730 Server	
Avaya 9630 H323 IP Telephone	R3.104S
Avaya PG230 Digital Switch	Generic Version 15.3.1
NICE Interaction Management	4.1

5. Configure Avaya Aura® Communication Manager

It is assumed that a fully functioning Communication Manager is present with the necessary licensing and ISDN connection setup to Proactive Contact. It is also assumed that Vectors and Skill Groups are configured for inbound calls. For further information on the configuration of Communication Manager please see **Section 11** of these Application Notes.

The following sections describe the configuration of a CTI link and adding of virtual stations required for Service Observe, as well as configuration of the service observe feature access code.

5.1. Configure TSAPI CTI Link

Enter the **add cti-link x** command, where **x** is a number between 1 and 64, inclusive. Enter a valid **Extension** under the provisioned dial plan. Set the **Type** field to **ADJ-IP** and assign a descriptive **Name** to the CTI link. Default values may be used in the remaining fields.

```
add cti-link 1

CTI Link: 1
Extension: 5899
Type: ADJ-IP

Name: aesserver62

Page 1 of 3

CTI LINK

CTI LINK

CTI LINK

CTI LINK

CTI LINK

CTI LINK
```

Enter the **change node-names ip** command. In the compliance-tested configuration, the **procr** IP address was utilized for registering H.323 and connectivity to the Application Enablement Services server. Note also the AES server name and IP address added, **aesserver62** and **10.10.16.96**.

change node-names	ip			Page	1 of	2
		IP NODE	NAMES			
Name	IP Address					
procr	10.10.16.142					
CM521	10.10.16.23					
Gateway	10.10.16.1					
IPbuffer	10.10.16.184					
Intuition	10.10.16.51					
MedPro	10.10.16.32					
Presence	10.10.16.83					
RDTT	10.10.16.185					
SESMNGR	10.10.16.44					
SM1	10.10.16.43					
SM61	10.10.16.201					
default	0.0.0.0					
aesserver62	10.10.16.96					

Enter the **change ip-services** command. On **Page 1**, configure the **Service Type** field to **AESVCS** and the **Enabled** field to **y**. The **Local Node** field should be pointed to **procr** that was noted previously in the node-name ip form. During the compliance test, the default port was utilized for the **Local Port** field.

change ip-s	services				Page 1 of	4
Service Type	Enabled	Local Node	IP SERVICES Local Port	Remote Node	Remote Port	
AESVCS	У	procr	8765			

On **Page 3**, enter the hostname of the AES server for the AE Services Server field. Enter an alphanumeric password for the **Password** field. Set the **Enabled** field to **y**. The same password will be configured on the Application Enablement Services in **Section 6.1**.

change ip-ser	vices			Page 4 c	of 4
	Ž	AE Services Administ	ration		
Server ID	AE Services Server	Password	Enabled	Status	
1:	aesserver62	Avayapassword1	У	in use	

5.2. Configure Virtual Stations for Service Observe

Add virtual stations to allow Interaction Management to record calls using Single Service Observe. Type **add station x** where x is the extension number of the station to be configured also note this extension number for configuration required in **Section 8.1.** Note the **Security Code** and ensure that **IP SoftPhone** is set to **y**. Note also the **COR** for the stations.

add station 6500		Page	1 of	6	
		STATION			
Extension: 6500		Tools Magazagas 2 n		BCC:	0
		Lock Messages? n			-
Type: 4624		Security Code: 1234		TN:	1
Port: IP		Coverage Path 1:		COR:	1
Name: Recorder		Coverage Path 2:		COS:	1
		Hunt-to Station:			
STATION OPTIONS					
		Time of Day Lock Table:			
Loss Group:	19	Personalized Ringing Pattern:	1		
-		Message Lamp Ext:	6500		
Speakerphone:	2-wav	Mute Button Enabled?	V		
Display Language:	-		_		
Survivable GK Node Name:	Ciigiioii				
Survivable COR:	intornal	Media Complex Ext:			
		<u>*</u>			
Survivable Trunk Dest?	У	IP SoftPhone?	У		
		IP Video Softphone?	n		
	Short/	Prefixed Registration Allowed:	defa	ult	

Type **display cor x**, where x is the COR number in the screen above, to check the existing Class of Restriction. Ensure that **Can be Service Observed** is set to **y**. If not type **change cor 1** to make a change to Class or Restriction (cor) 1. This needs to be enabled in order for Service Observe to work for recording.

```
CLASS OF RESTRICTION

COR Number: 1
COR Description:

FRL: 0
Can Be Service Observed? y
Calling Party Restriction: none
Can Be A Service Observer? y
Called Party Restriction: none
Time of Day Chart: 1
Priority Queuing? n
Restriction Override: none
Restricted Call List? n

Access to MCT? y
Fully Restricted Service? n
Restricted Call List? n

Access to MCT? y
Fully Restricted Service? n
Send ANI for MFE? n
Add/Remove Agent Skills? n

MF ANI Prefix:
Hear System Music on Hold? y
PASTE (Display PBX Data on Phone)? n
Can Be Picked Up By Directed Call Pickup? n
Can Use Directed Call Pickup? n
Group Controlled Restriction: inactive
```

5.3. Configure Service Observe Feature Access Code

Interaction Management uses the service observe feature access code in order to record the call of a defined endpoint. Interaction Management uses the AES to instigate the service observing of the defined endpoint. Enter the command **change feature-access-codes**, on **Page 5** enter a suitable code next to **Service Observing No Talk Access Code**.

```
change feature-access-codes
                                                                Page 5 of 10
                              FEATURE ACCESS CODE (FAC)
                                Call Center Features
 AGENT WORK MODES
                   After Call Work Access Code: *36
                            Assist Access Code:
                            Auto-In Access Code: *38
                          Aux Work Access Code: *39
                             Login Access Code: *40
                            Logout Access Code: *41
                         Manual-in Access Code: *42
 SERVICE OBSERVING
            Service Observing Listen Only Access Code: *43
            Service Observing Listen/Talk Access Code:
                Service Observing No Talk Access Code: *06
  Service Observing Next Call Listen Only Access Code:
Service Observing by Location Listen Only Access Code:
Service Observing by Location Listen/Talk Access Code:
```

6. Configure Avaya Aura® Application Enablement Services

Application Enablement Services enable Computer Telephony Interface (CTI) applications to control and monitor telephony resources on Communication Manager. Application Enablement Services receive requests from CTI applications, and forwards them to Communication Manager. Conversely, Application Enablement Services receive responses and events from Communication Manager and forwards them to the appropriate CTI applications.

This section assumes that installation and basic administration of the Application Enablement Services server has been performed. The steps in this section describe the configuration of a Switch Connection, creating a CTI link for TSAPI, and a CTI user. For further information on Application Enablement Services please refer to **Section 11** of these Application Notes.

6.1. Configure Switch Connection

Launch a web browser, enter https://<IP address of AES server> in the URL, and log in with the appropriate credentials for accessing the Application Enablement Services Management Console page.

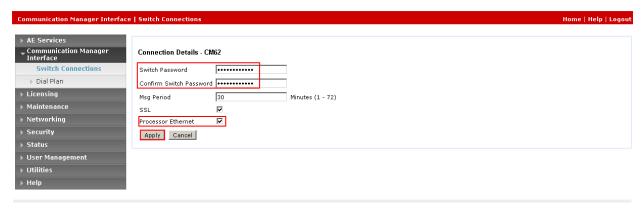


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Click on Communication Manager Interface → Switch Connections in the left pane to invoke the Switch Connections page. A Switch Connection defines a connection between the Application Enablement Services server and Communication Manager. Enter a descriptive name for the switch connection and click on Add Connection.



The next window that appears prompts for the Switch Password. Enter the same password that was administered on Communication Manager in **Section 5.1**. Default values may be used in the remaining fields. Click on **Apply**.



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After returning to the Switch Connections page, select the radio button corresponding to the switch connection added previously, and click on **Edit PE/CLAN IPs**.



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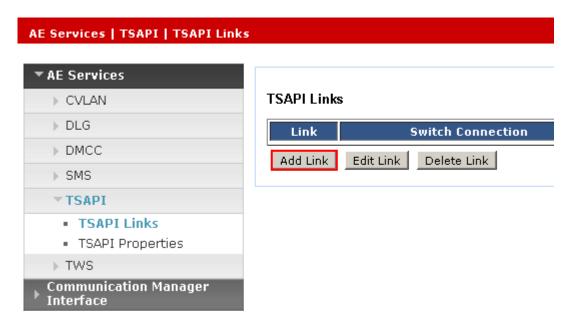
Enter the IP address of clan used for Application Enablement Services connectivity from **Section 5.1**, and click on **Add Name or IP**.



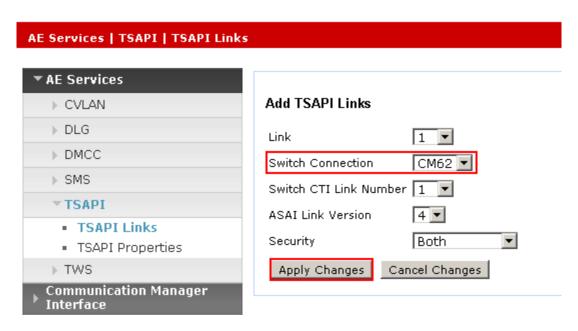
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6.2. Configure TSAPI CTI Link

Navigate to **AE Services** → **TSAPI** → **TSAPI Links** to configure the TSAPI CTI link. Click the **Add Link** button to start configuring the TSAPI link.



Select the switch connection using the drop-down menu. Select the switch connection configured in **Section 6.1**. Select the **Switch CTI Link Number** using the drop-down menu. The CTI link number should match with the number configured in the CTI-link in **Section 5.1**. Click **Apply Changes**.

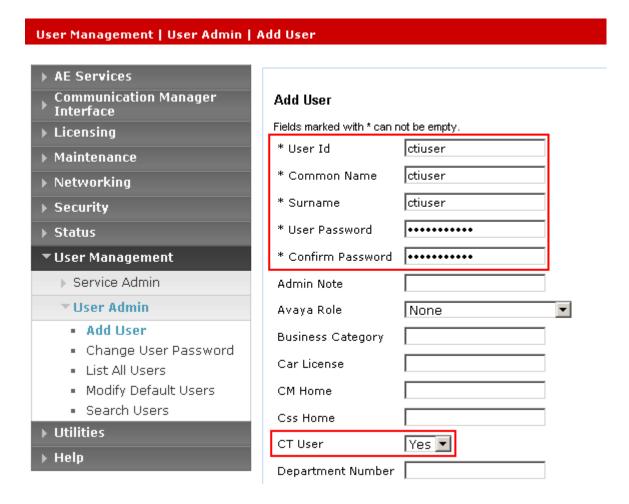


6.3. Configure CTI User

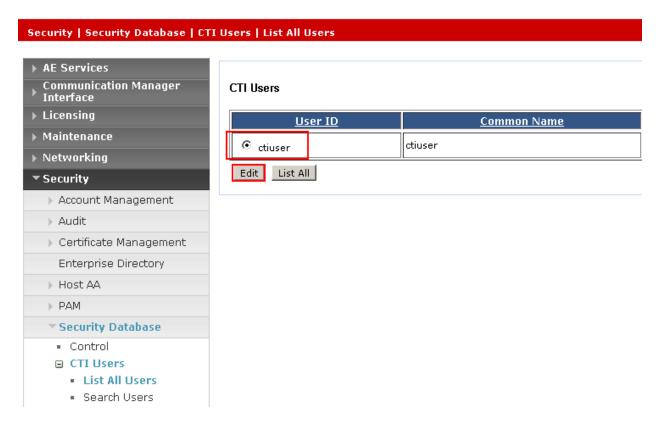
Navigate to **User Management** → **Add User**. On the Add User page, provide the following information:

- User Id
- Common Name
- Surname
- User Password
- Confirm Password

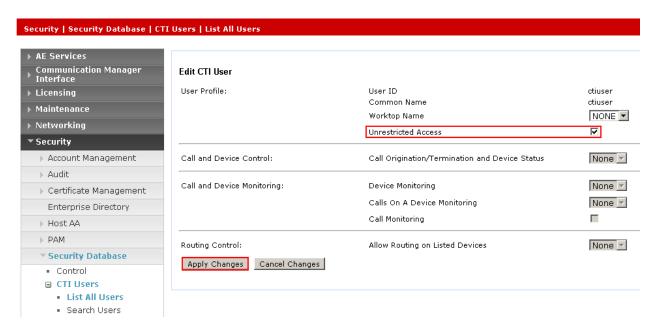
Select **Yes** using the drop-down menu on the **CT User** field. This enables the user as a CTI user. Click the **Apply** button (not shown here) at the bottom of the screen to complete the process. Default values may be used in the remaining fields.



Once the user is created, navigate to the **Security Security Database CTI Users List All Users** page. Select the **User ID** created previously, and click the **Edit** button to set the permission of the user.

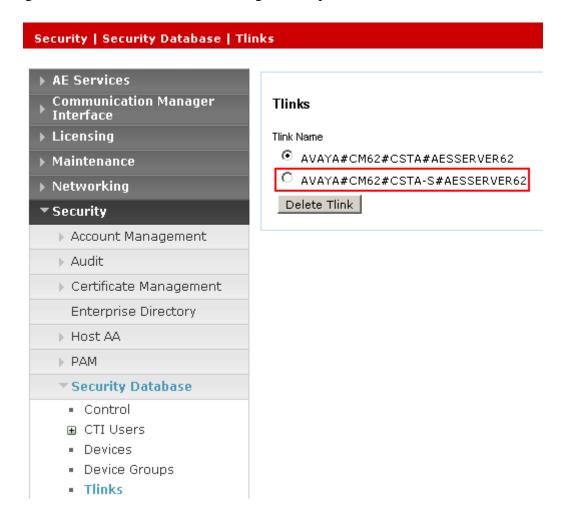


Provide the user with unrestricted access privileges by checking the **Unrestricted Access** check box. Click the **Apply Changes** button.



6.4. Obtain TLink Name

Navigate to the **Security → Security Database → Tlinks** page and verify the Tlink name. The following screen shows the Tlink used during the compliance test.



7. Configure Avaya Proactive Contact

It is assumed that a fully operational Proactive Contact is in place and the connection is made to Communication Manager in order to acquire agents. Documentation on the Installation and Configuration of Proactive Contact may be found in **Section 11** of these Application Notes. In this instance the IP address of the Proactive Contact server is 10.10.16.95 with a hostname of devconhd501.

Proactive Contact is installed with a preconfigured user client1 which was used by Interaction Management to log in and receive events from Event Services.

8. Configure Interaction Management

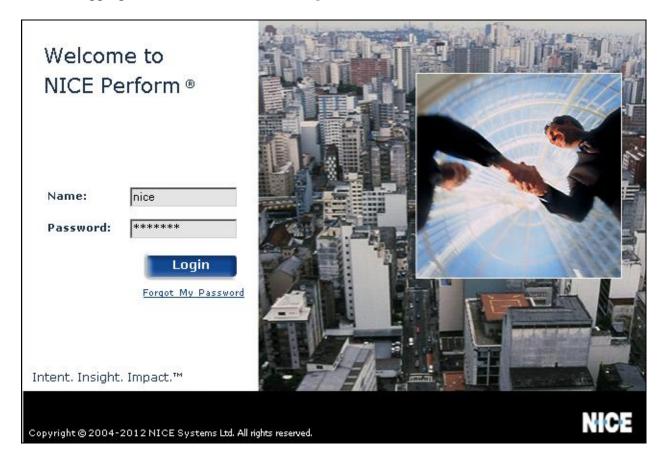
This section outlines the steps necessary to configure Interaction Management to successfully connect to the Avaya Solution outlined in **Section 3** of these Application Notes in order to record voice calls. Interaction Management logs into AES in order to send/receive CTI messages to/from Communication Manager to record voice calls using Service Observe. The Event Services API on Interaction Management allows a configured user to log into Proactive Contact and receive events from Proactive Contact Event Services in order to stop and start the call recording. The following sections show:

- Configuration of Interaction Management to connect to AES for Service Observe based recording
- Configuration of Interaction Management to receive Proactive Contact Events
- Configuration of Interaction Management to drop "Long Call"

8.1. Configuration of Interaction Management to connect to AES for Service Observe

Open a web browser, navigate to:

http://NIM_IP_Addr/NiceApplications/Desktop/WebPage/DeskTopWebForm.aspx. Enter the appropriate credentials and click Login.



Click on **Administration** → **System Administration**.

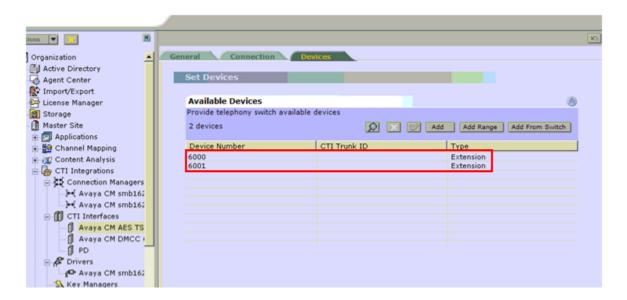


Expand Master Site \rightarrow CTI Integrations \rightarrow CTI Interfaces -> Avaya CM AES TSAPI, click on the Connection tab and enter connection details as follows:

- ServerName enter the TLink information from Section 6.2
- LoginID and Password enter the CTI user credentials configured in Section 6.3

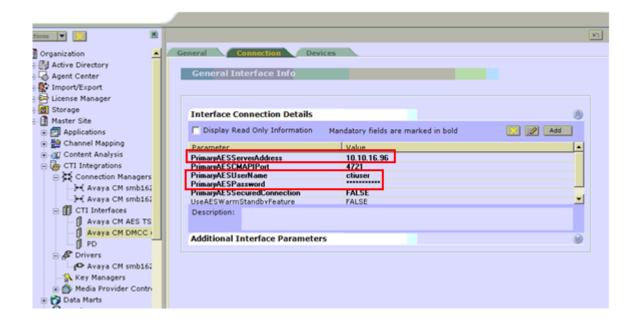


Click the **Devices** tab and add the Communication Manager endpoints which are to be recorded, in this case 6000 and 6001.

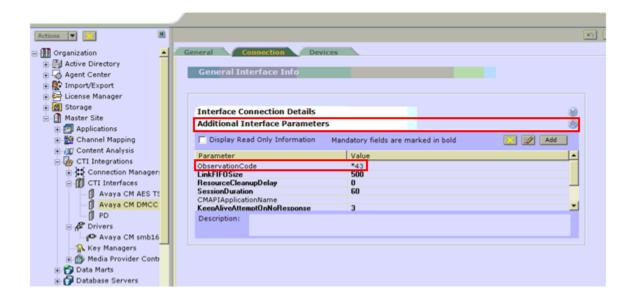


Click on **Avaya CM DMCC** in the left pane and click on the **Connection** tab in the right pane. Enter the information as follows:

- **Primary AESServerAddress** enter the IP address of the AES server
- PrimaryAESUserName and PrimaryAESPassword the CTI user credentials configured in Section 6.3

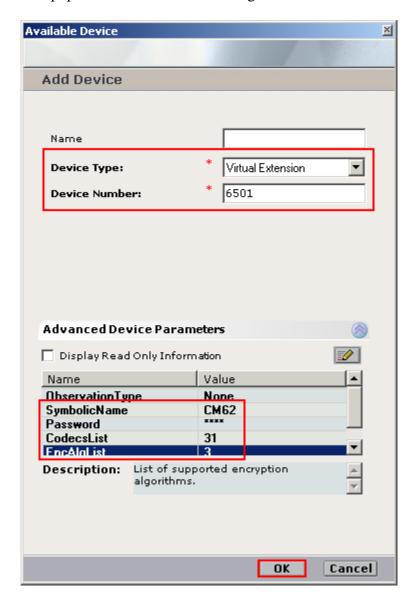


Click on Additional Interface Parameters and enter the Service Observing No Talk Access Code from Section 5.3 next to Observation Code.

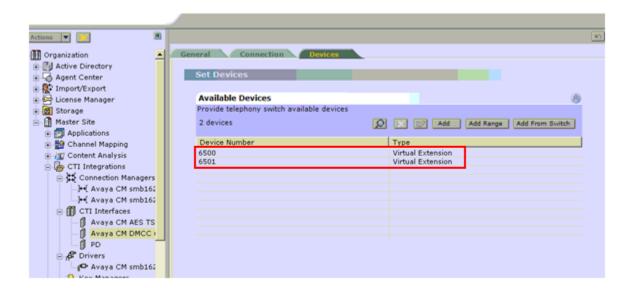


Click the **Devices** tab and add the Communication Manager virtual stations which are to act as recorders as configured in **Section 5.2**, in this case 6500 and 6501 as follows:

- **Device Type** select **Virtual Extension** from the drop down list
- **Device Number** enter a recorder extension number from **Section 5.2**
- Symbolic Name enter the Switch Connection Name from Section 6.1
- **Password** enter the password assigned to the recorder extension
- **CodecsList** and **EncAlgList** double click on each of these and place a tick in every box shown, this will populate the value field with figure shown.



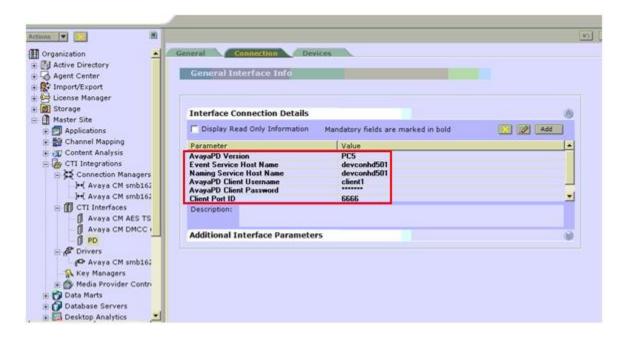
Newly added recorder devices.



8.2. Configuration of Interaction Manager to receive Proactive Contact Events

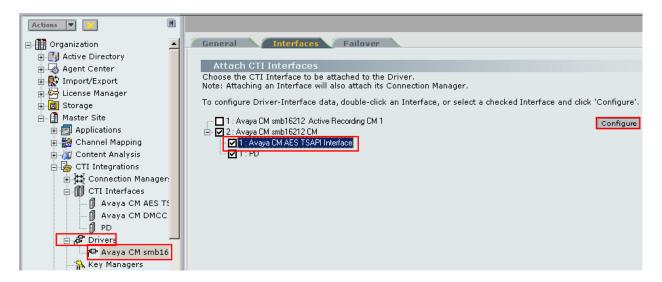
Expand Master Site \rightarrow CTI Integrations \rightarrow CTI Interfaces \rightarrow PD, click on the Connection tab and enter connection details as follows:

- AvayaPD Version set to PC5
- Event Service Host Name and Naming Service Host Name configure as the Proactive Contact hostname, in this case devconhd501
- AvayaPD Client Username and AvayaPD Client Password configure as the default user of client1 and client1 respectively
- Client Port ID set to 6666

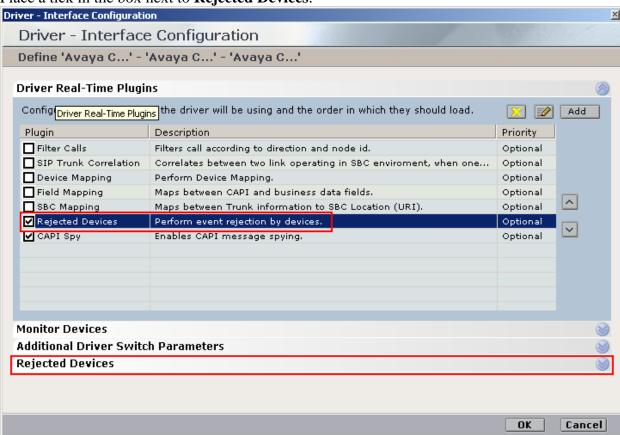


8.3. Configuration of Interaction Management to drop "Long Call"

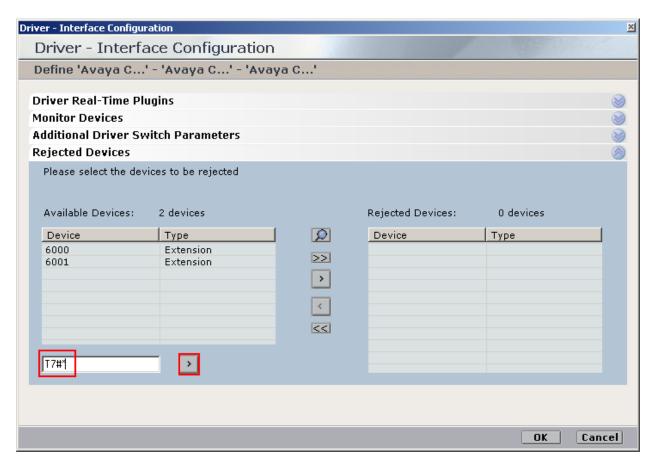
When a Proactive Contact agent logs into Proactive Contact, an ISDN channel is dedicated and permanently active for the entire duration that the agent is logged in. This results in one constant or "long call". In order to prevent recording this "long call" click **Master Site** → **CTI**Integrations → Drivers. Select the Avaya CM Driver configured, in this case Avaya CM smb16212 Driver, and click the Interfaces tab. Select the Avaya CM AES TSAPI Interface and click Configure.



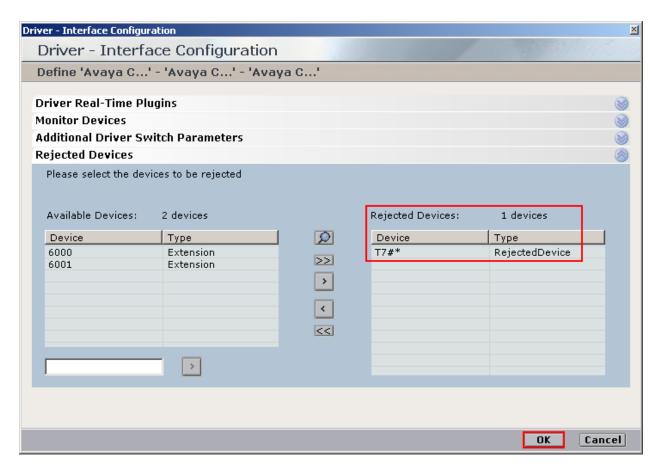
Place a tick in the box next to **Rejected Devices**.



Click **Rejected Devices** at the bottom of the screen shown above. For the purpose of the compliance test, Communication Manager was configured with trunk 7 as the Proactive Contact headset trunk group, in the field at the bottom left of the screen enter **T7**#* and click.



The following screen will appear showing **T7**#* in the rejected devices area on the right of the screen. Click **OK** when done.



9. Verification Steps

The following steps can be taken to ensure that connections between Communication Manager, AES, Proactive Contact and Interaction Management are configured correctly.

9.1. Verify Avaya Aura® Communication Manager CTI link

Verify the status of the administered CTI link by using the **status aesvcs cti-link** command. Verify the Service State is **established** for the CTI link number administered in **Section 5.1**, as shown below.

statu	s aesvcs	cti-li	nk				
			AE SERVICES	CTI LINK STA	rus		
CTI Link	Version	Mnt Busy	AE Services Server	Service State	Msgs Sent	Msgs Rcvd	
1	4	no	aesserver62	established	18	18	

9.2. Verify Avaya Aura® Communication Manager Trunks

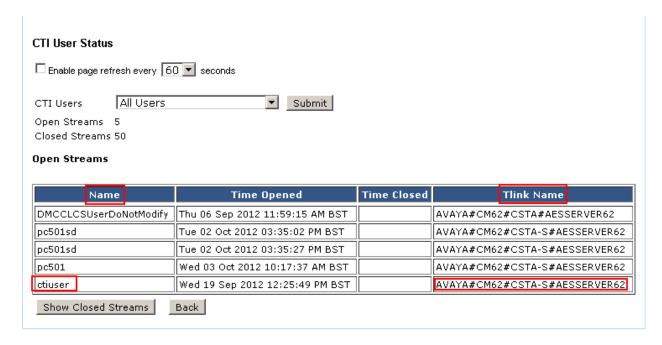
Verify the status of the ISDN trunks between Communication Manager and Proactive Contact. In this example, the command **status trunk-group 7** is used. Verify each channel is either in-service/idle or **in-service/active** in the case when an agent is logged in to Proactive Contact using a Communication Manager endpoint.

9.3. Verify Avaya Aura® Application Enablement Services TSAPI link

From the Application Enablement Services Management Console web pages click **Status** → **Status and Control** → **TSAPI Service Summary** and verify the TSAPI Link Status is **Talking**.



Click **User Status** and verify that the configured CTI user **Name** has an active stream using the configured **Tlink Name**.



9.4. Verify Proactive Contact services are running correctly

Using putty open an SSH connection to Proactive Contact and **login** using the appropriate credentials as shown below.

login as: admin

*** WARNING NOTICE ***

This system is restricted solely to Avaya authorized users for legitimate business purposes only. The actual or attempted unauthorized access, use, or modification of this system is strictly prohibited by Avaya. Unauthorized users are subject to Company disciplinary proceedings and/or criminal and civil penalties under state, federal, or other applicable domestic and foreign laws. The use of this system may be monitored and recorded for administrative and security reasons. Anyone accessing this system expressly consents to such monitoring and is advised that if monitoring reveals possible evidence of criminal activity, Avaya may provide the evidence of such activity to law enforcement officials. All users must comply with Avaya Security Instructions regarding the protection of Avaya's information assets.

Using keyboard-interactive authentication.
Password:

Once logged in correctly type **check_pds** as shown below.

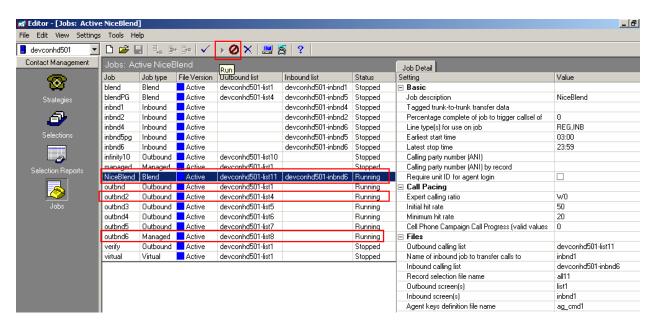
# ID Sev Shor Last Instance Count Stat		abled	First Instance
3 QPC000D0001 Info 10:22:20 2012-10-03 10:22:20		Yes	2012-10-03
4 QPC000D0002 Info 11:04:45 2012-09-19 11:04:45		Yes	2012-09-19
5 QPC000D0003 Info 11:03:28 2012-09-19 11:03:28		Yes	2012-09-19
15 QPC000D0013 Info 10:53:28 2012-09-04 11:02:28	Dyanamic logging log-level modif 6 ACTIVE	Yes	2012-09-04
25 QPC000D0023 Warning 18:48:20 2012-10-04 15:38:02		Yes	2011-05-24
Found '5' ACTIVE or RETIRED	======================================		

The following screen should show **All processes running!**.

```
root 24733 1 0 0ct03 ? 00:00:00 agentcount
root 25194 1 0 0ct03 ? 00:00:00 agent -d
admin 25204 1 0 0ct03 ? 00:00:00 agent -d
admin 25200 1 0 0ct03 ? 00:00:00 recall_rmp
admin 25190 1 0 0ct03 ? 00:00:00 listserver
admin 24864 1 0 0ct03 ? 00:00:00 opmon
root 24888 1 0 0ct03 ? 00:00:00 epmon
root 24827 24814 0 0ct03 ? 00:00:00 bridgeSmEnf -ORBSvcConf /opt/ava
admin 24781 1 0 0ct03 ? 00:00:00 bridgeSmEnf -ORBSvcConf /opt/ava
admin 24781 1 0 0ct03 ? 00:00:00 switcher
root 24733 1 0 0ct03 ? 00:00:00 job_strter
root 24733 1 0 0ct03 ? 00:00:00 job_strter
root 24718 1 0 0ct03 ? 00:00:00 agentcount
root 24718 1 0 0ct03 ? 00:01:107 enserver -ORBSvcConf /opt/avaya/
root 25228 1 1 0ct03 ? 00:00:54 datamgr
admin 24725 1 0 0ct03 ? 00:00:55 datamgr
admin 24704 1 0 0ct03 ? 00:00:00 soe_routed
admin 24704 1 0 0ct03 ? 00:00:00 soe_routed
root 24741 1 0 0ct03 ? 00:00:00 soe_routed
root 25234 1 0 0ct03 ? 00:00:00 soe_routed
root 25234 1 0 0ct03 ? 00:00:00 con_mgr
root 25234 1 0 0ct03 ? 00:00:2:38 hdsc -ORBSvcConf /opt/avaya/pds/
```

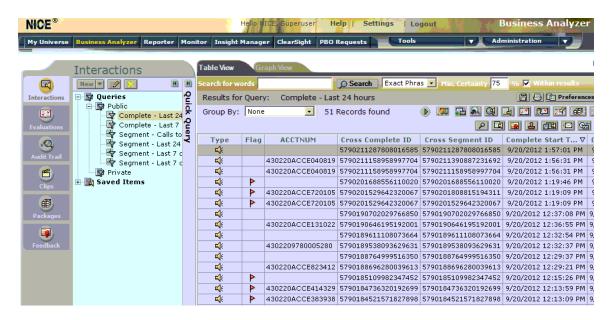
9.5. Verify Proactive Contact jobs are running

Before an agent is logged into a job verify that the appropriate jobs are running. Open Proactive Contact Editor (not shown) once logged in click on jobs as shown below and ensure that the correct jobs are up and running. Jobs can be started and stopped using the icons highlighted in the screen shot below.



9.6. Verify Interaction Management is Recording Calls

Log into the Interaction Manager web interface. Click **Business Analyser** → **Queries** → **Public** → **Complete** – **Last 24 hours** and verify recordings have been captured. Right click on the file to be listened to and use the intuitive onscreen application to playback the recording and verify audio quality. Verify associated call details accurately represents the handled call.



10. Conclusion

These Application Notes describe the configuration steps required for NICE Interaction Management to successfully interoperate with Avaya Proactive Contact, Avaya Aura® Application Enablement Services and Avaya Aura® Communication Manager using Service Observe. All test cases were completed successfully. Please refer to **Section 2.2** for test results and observations.

11. Additional References

This section references documentation relevant to these Application Notes. The Avaya product documentation is available at http://support.avaya.com where the following documents can be obtained.

- [1] Administering Avaya Aura® Communication Manager, Release 6.2, Issue 7.0, July 2012 Document ID 03-300509
- [2] Avaya Aura® Application Enablement Services Administration and Maintenance Guide Release 6.2 Issue 1, July 2012
- [3] Implementing Avaya Proactive Contact 5.0

All information on product installation and configuration for NICE Interaction Management can be obtained by visiting http://www.nice.com

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