

Avaya Solution & Interoperability Test Lab

Application Notes for VXI China VisionWFM 3.0 with Avaya Call Management System Release 16 and Avaya Aura® Application Enablement Services 5.2 – Issue 1.0

Abstract

These Application Notes describe the configuration steps required to integrate VXI China VisionWFM 3.0 with Avaya Call Management System (CMS) Release 16 and Avaya Aura® Application Enablement Services 5.2 to capture real-time call center data from Avaya Aura® Communication Manager. VisionWFM is a workforce management solution for the management of business operation such as improving quality and reduce operating costs. VisionWFM uses the Generic Real Time Adherence (RTA) interface to capture real-time agent work-mode changes from Avaya CMS. This interface is provided by Avaya Professional Services. VisionWFM also uses the Telephony Services Application Programming Interface (TSAPI) to monitor the agent extensions for real-time call information and status.

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 to integrate VXI China VisionWFM 3.0 with Avaya Call Management System (CMS) Release 16 and Avaya Aura® Application Enablement Services 5.2 to capture real-time call center data from Avaya Aura® Communication Manager. VisionWFM is a workforce management solution for the management of business operation such as improving quality and reduce operating costs. VisionWFM uses the Generic Real Time Adherence (Generic-RTA) interface to capture real-time agent work-mode changes from Avaya CMS. This interface is provided by Avaya Professional Services. VisionWFM also uses the Telephony Services Application Programming Interface (TSAPI) interface to Application Enablement Services to monitor the agent extensions for real-time call information and status.

The Generic-RTA interface software on Avaya CMS connects to the VisionWFM server and sends data to the VisionWFM application every 10 seconds (configurable). Avaya Professional Services installs and configures the Generic-RTA interface on Avaya CMS, and provides the TCP port number associated with the Generic-RTA session to VXI China for configuring VisionWFM.

2. General Test Approach and Test Results

The interoperability compliance test included feature and serviceability testing. The feature testing focused on verifying that a Generic-RTA connection can be established between Avaya CMS and VisionWFM server and that VisionWFM can parse and display the real-time agent data in VisionWFM. The feature testing also verifys that VisionWFM can capture call related information such as talk-time, calls abandoned and calls answered using the TSAPI interface.

The serviceability testing focused on verifying the ability of VisionWFM to recover from adverse conditions, such as disrupting the network connection to the VisionWFM server and rebooting the VisionWFM server.

2.1. Interoperability Compliance Testing

The feature test cases were performed manually. Incoming calls were made to the monitored split/skills to generate data streams with agent state changes to be sent to VisionWFM. Manual call controls and work mode changes from agent telephones were exercised as necessary to generate the required real-time data.

The serviceability test cases were performed manually by removing the network connection to the VisionWFM server and rebooting the VisionWFM server.

The verification of all tests included checking the proper display and data accuracy of real-time agent data in VisionWFM.

2.2. Test Results

All test cases were executed and passed.

2.3. Support

For technical support on VisionWFM, contact VXI China as shown below.

• Web: http://www.vxichina.com/about/contact.asp

• **Toll-free hotline:** +86 800 820 2040 (China only)

3. Reference Configuration

Figure 1 illustrates the test configuration used to verify the solution. VXI China VisionWFM was installed on a Microsoft Windows 2003 Server with Service Pack 2, with the client PC using the Microsoft Internet Explorer 7.0 to access the VisionWFM Server. Calls were placed to the Vector Directory Numbers (VDNs) and were answered by the agent telephones connected to Avaya Aura® Communication Manager. Call related information was captured by Avaya Aura® Application Enablement Services and sent to VisionWFM using the TSAPI interface. The Avaya Call Management System was used to capture the agent work mode changes to generate the real-time data used in this testing.

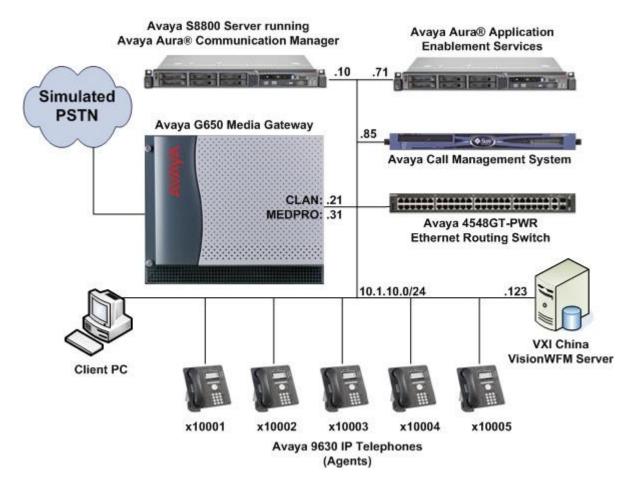


Figure 1: VXI China VisionWFM with Avaya Call Management System

4. Equipment and Software Validated

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

Equipment	Software	
Avaya Call Management System	R16	
	(r16aa.m)	
Avaya S8800 Server	Avaya Aura® Communication Manager	
	6.0	
	(Service Pack 00.0.345.0-18567)	
Avaya Aura® Application Enablement Services	5.2.2 Patch 3	
Avaya G650 Media Gateway	-	
 TN2312BP IP Server Interface 	HW07, FW053	
 TN799DP C-LAN Interface 	HW01, FW039	
TN2302AP IP Media Processor	HW20, FW121	
Avaya 9630 IP Telephones	3.1 Service Pack 1 (H.323)	
Avaya 4548GT-PWR Ethernet Routing Switch	V5.4.0.008	
Microsoft Windows Server 2003 Standard	Service Pack 2	
Edition		
VXI China VisionWFM	3.0	

5. Configure Avaya Aura® Communication Manager

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

- Verify Communication Manager software options
- Administer adjunct CMS release
- Administer IP node name for CMS
- Administer processor interface channel
- Administer measured Skilled Hunt Group
- Configure AES and CTI Links

The detailed administration of contact center devices such as Skilled Hunt Group, VDN, Vector, and Agents are assumed to be in place. These Application Notes will only cover how to enable Skilled Hunt Group and Agent data to be sent to Avaya CMS.

5.1. Verify Communication Manager Software Options

Log into the System Access Terminal (SAT) to verify that the Communication Manager license has proper permissions for features illustrated in these Application Notes. Use the **display system-parameters customer-options** command to verify that the **G3 Version** field is set to **V16** on Page 1, as shown below.

```
display system-parameters customer-options
                                                                                          Page
                                                                                                   1 of 11
                                             OPTIONAL FEATURES
      G3 Version: V16
                                                                    Software Package: Enterprise
         Location: 2
                                                                      System ID (SID): 1
         Platform: 28
                                                                      Module ID (MID): 1
                                                                                       USED
                                             Platform Maximum Ports: 65000 280
                                                     Maximum Stations: 1000 166
                                         Maximum XMOBILE Stations: 41000 0
                           Maximum Off-PBX Telephones - EC500: 1000

Maximum Off-PBX Telephones - OPS: 1000

Maximum Off-PBX Telephones - PBFMC: 1000

Maximum Off-PBX Telephones - PVFMC: 1000

Maximum Off-PBX Telephones - SCCAN: 0
                                   Maximum Survivable Processors: 10
           (NOTE: You must logoff & login to effect the permission changes.)
```

Navigate to Page 6, and verify that the **Call Center Release** field is set to 6.0, as shown below.

```
display system-parameters customer-options
                                                               Page
                                                                      6 of 11
                        CALL CENTER OPTIONAL FEATURES
                         Call Center Release: 6.0
                               ACD? y
                                                              Reason Codes? y
                      BCMS (Basic)? y
                                                   Service Level Maximizer? n
                                         Service Observing (Basic)? y
        BCMS/VuStats Service Level? y
  BSR Local Treatment for IP & ISDN? y
                                          Service Observing (Remote/By FAC)? y
                 Business Advocate? n
                                                 Service Observing (VDNs)? y
                   Call Work Codes? y
                                                                  Timed ACW? y
      DTMF Feedback Signals For VRU? y
                                                          Vectoring (Basic)? y
                  Dynamic Advocate? n
                                                      Vectoring (Prompting)? y
                                                  Vectoring (G3V4 Enhanced)? y
      Expert Agent Selection (EAS)? y
                           EAS-PHD? y
                                                   Vectoring (3.0 Enhanced)? y
                  Forced ACD Calls? n
                                          Vectoring (ANI/II-Digits Routing)? y
              Least Occupied Agent? y
                                          Vectoring (G3V4 Advanced Routing)? y
         Lookahead Interflow (LAI)? y
                                                          Vectoring (CINFO)? y
Multiple Call Handling (On Request)? y
                                           Vectoring (Best Service Routing)? y
   Multiple Call Handling (Forced)? y
                                                      Vectoring (Holidays)? y
  PASTE (Display PBX Data on Phone)? y
                                                      Vectoring (Variables)? y
        (NOTE: You must logoff & login to effect the permission changes.)
```

5.2. Administer Adjunct CMS Release

Use the **change system-parameters features** command and navigate to **Page 12**. Set the **CMS** (appl mis) field to the software release of the Avaya CMS. In this case, **R15/R16** is used to correspond to Avaya CMS software release R16.

```
Page 12 of 18
change system-parameters features
                       FEATURE-RELATED SYSTEM PARAMETERS
 AGENT AND CALL SELECTION
                        MIA Across Splits or Skills? n
                         ACW Agents Considered Idle? y
                         Call Selection Measurement: current-wait-time
   Service Level Supervisor Call Selection Override? n
                                Auto Reserve Agents: none
 CALL MANAGEMENT SYSTEM
                          REPORTING ADJUNCT RELEASE
                                     CMS (appl mis): R15/R16
                                     IQ (appl ccr):
                              BCMS/VuStats LoginIDs? y
                  BCMS/VuStats Measurement Interval: hour
          BCMS/VuStats Abandon Call Timer (seconds):
                    Validate BCMS/VuStats Login IDs? n
                           Clear VuStats Shift Data: on-login
                Remove Inactive BCMS/VuStats Agents? n
```

5.3. Administer IP Node Name for CMS

Use the **change node-names ip** command, to add an entry for Avaya CMS. In this case, **cms1** and **10.1.10.85** are entered as **Name** and **IP Address** for the Avaya CMS server. The actual node names and IP addresses may vary. Submit these changes.

change node-names ip Page 1 of 2					2	
		IP NODE	NAMES			
Name	IP Address					
Gateway001	10.1.10.1					
cms1	10.1.10.85					
default	0.0.0.0					
msgserver	10.1.10.20					
procr	10.1.10.10					

5.4. Administer Processor Interface Channel

Assign a new processor interface channel with the **change communication-interface processor-channels** command. Add an entry with the following values, and submit these changes.

Enable: "y".Appl.: "mis".

■ **Mode:** "s" for server mode.

Interface Link: "pv4" for processor ethernet running IP version 4 (IPv4).
 Interface Chan: TCP channel number for Avaya CMS. In this case "5001".

Destination Node: Avaya CMS server node name from Section 5.3.

Destination Port: "0".

Session Local: Corresponding channel number in Proc Chan field. In this case "1".
 Session Remote: Corresponding channel number in Proc Chan field. In this case "1".

The **Interface Chan** field contains the Avaya CMS TCP channel number, which is defined as part of the Avaya CMS installation. For the compliance testing, the default TCP channel number of **5001** was used. Refer to **Section 6.1** to verify the settings on Avaya CMS.

```
change communication-interface processor-channels
PROCESSOR CHANNEL ASSIGNMENT
Proc Gtwy Interface Destination Session Mach
Chan Enable Appl. To Mode Link/Chan Node Port Local/Remote ID

1: y mis s pv4 5001 cms1 0 1 1
```

5.5. Administer Measured Skilled Hunt Group

Use the **change hunt-group n** command, where **n** is the hunt group number to be measured by Avaya CMS. On Page 2, set the **Measured** field to **external** or **both** to enable real-time measurement data on the skilled hunt group and the associated agents to be sent to Avaya CMS. Repeat this step for all skilled hunt groups that will be measured by Avaya CMS.

```
change hunt-group 1

Skill? y

AAS? n

Measured: both

Supervisor Extension:

Controlling Adjunct: none

VuStats Objective:
Timed ACW Interval (sec):

Multiple Call Handling: none
```

5.6. Configure AES and CTI Links

Application Enablement Services forwards CTI requests, responses, and events between VisionWFM server and Communication Manager. Application Enablement Services communicates with Communication Manager over an AES link. Within the AES link, CTI links are configured to provide CTI services to CTI applications such as VisionWFM. The following steps demonstrate the configuration of the Communication Manager side of the AES and CTI links. See **Section 7** for the details of configuring the Application Enablement Services side of the AES and CTI links.

Step	Description					
1.	Enter the display system-parameters customer-options command. On Page 3, verify					
	that Computer Telephony Adjunct Links is set to y. If not, contact an authorized Avaya					
	account representative to obtain the license.					
	display system-parameters customer-options Page 3 of 1 OPTIONAL FEATURES					
	Abbreviated Dialing Enhanced List? n	Audible Message Waiting? n				
	Access Security Gateway (ASG)? n	Authorization Codes? y				
	Analog Trunk Incoming Call ID? n	CAS Branch? n				
	A/D Grp/Sys List Dialing Start at 01? n	CAS Main? n				
	Answer Supervision by Call Classifier? n	Change COR by FAC? n				
	ARS? y	Computer Telephony Adjunct Links? y				
	ARS/AAR Partitioning? y	Cvg Of Calls Redirected Off-net? n				
	ARS/AAR Dialing without FAC? y	DCS (Basic)? n				
	ASAI Link Core Capabilities? n	DCS Call Coverage? n				
	ASAI Link Plus Capabilities? n	DCS with Rerouting? n				
	Async. Transfer Mode (ATM) PNC? n	Divited Tone Dies Medicinstics				
	Async. Transfer Mode (ATM) Trunking? n	Digital Loss Plan Modification? n				
	ATM WAN Spare Processor? n ATMS? n	DS1 MSP? y DS1 Echo Cancellation? y				
	Attendant Vectoring? n	DST ECHO CANCETTACTON: y				
2.	Enter the add cti-link n command, where n is	a number between 1 and 64, inclusive.				
	Enter a valid Extension under the provisioned	dial plan in Avaya Communication				
	Manager, set the Type field to ADJ-IP , and a	ssion a descriptive Name to the CTI link				
	The CTI Link number corresponds to the Swi	ich C11 Link Number in Section 7.4 Step				
	2.					
	add cti-link 1	Page 1 of 3				
	CTI I	INK				
	CTI Link: 1					
	Extension: 10091					
	Type: ADJ-IP					
		COR: 1				
	Name: TSAPI Services					

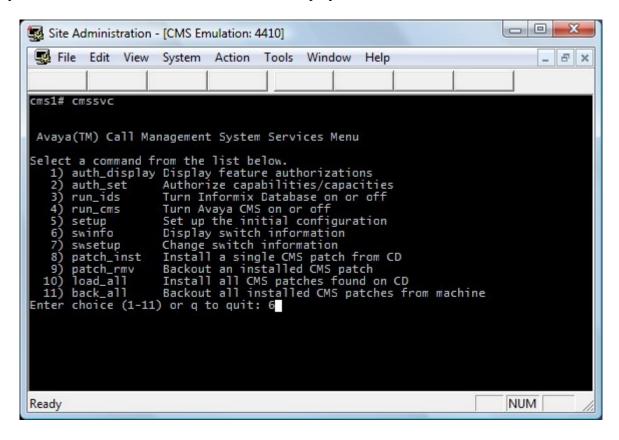
Description Step Enter the **change ip-services** command. On Page 1, configure the **Service Type** field to **AESVCS** and the **Enabled** field to y. During the compliance test, the **Local Node** field is set to the processor Ethernet interface **procr** which is IP address of the S8800 Server as shown in Figure 1. The default port 8765 was utilized for the Local Port field. change ip-services 1 of Page IP SERVICES Service Enabled Local Remote Local Remote Node Port Node Port Type AESVCS 8765 procr On Page 3, enter the hostname of the Application Enablement Services server for the AE **Services Server** field. The server name may be obtained by logging in to the Application Enablement Services server using Secure Shell (SSH), and running the uname -a command. Enter an alpha-numeric password for the Password field and set the Enabled field to y. The same password will be configured on the Application Enablement Services server in Section 7.3 Step 2. change ip-services 3 of Page AE Services Administration Server ID AE Services Enabled Password Status Server 1: aes1 xxxxxxxxxxxxxx 2: 3:

6. Configure Avaya Call Management System

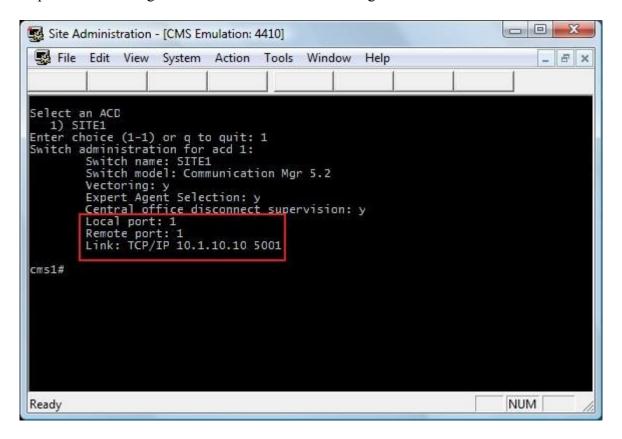
The initial configuration of Avaya Call Management System to interface with Communication Manager is assumed to be in place and thus will not be described in these application notes. Refer to Reference [2] for further information.

6.1. Verify CMS Setup

Use a terminal emulator to connect to the Avaya CMS server, and log in with the proper credentials. Enter "cmssvc" at the command prompt to display the **Avaya Call Management System Services Menu** screen. Select "6" to display the switch information.



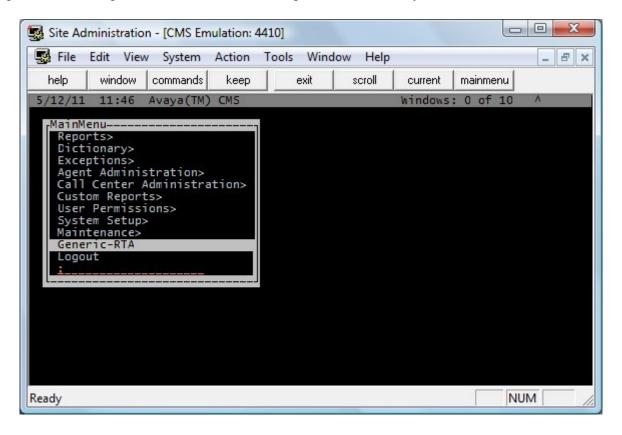
Enter "1" to select the ACD defined. Verify that the **Local port**, **Remote port** and **Link** correspond to the configuration on Communication Manager in **Section 5.4**.



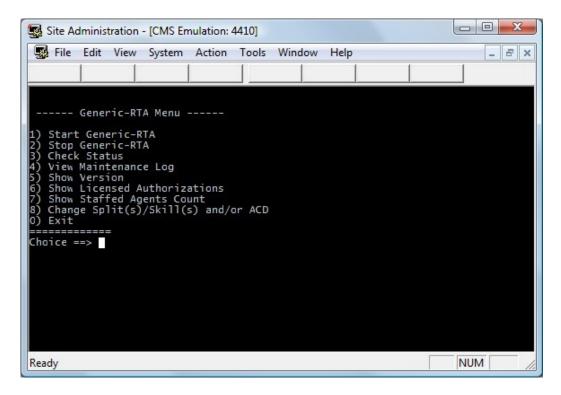
6.2. Configure Generic-RTA Interface

Configuration of the Generic-RTA interface is performed by Avaya Professional Services and is outside the scope of these Application Notes. After the interface is configured, the user can follow the procedure below to start the interface. For this testing, the Generic-RTA interface connects to the VisionWFM server on TCP port 6996. The port number is specified in the configuration file **rta.conf** located in the directory where Generic-RTA is installed.

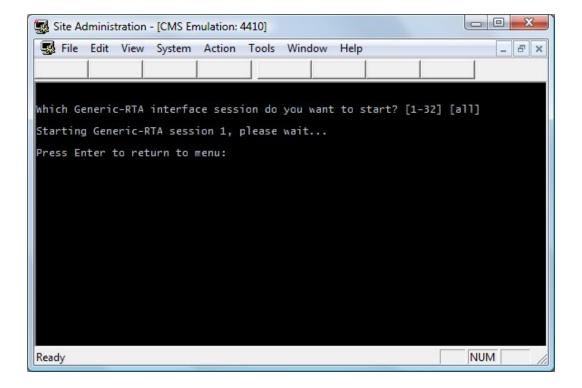
Use a terminal emulator to connect to the Avaya CMS server, and log in with the proper credentials. Enter "cms" at the command prompt to display the **MainMenu** screen. Select the option that corresponds to **Generic-RTA** and press the **Enter** key.



The Generic-RTA Menu is displayed as shown below. Enter "1" to start the interface.



Enter "all" for all sessions.



7. Configure Avaya Aura® Application Enablement Services

This section provides the procedures for configuring Application Enablement Services (AES). The procedures fall into the following areas:

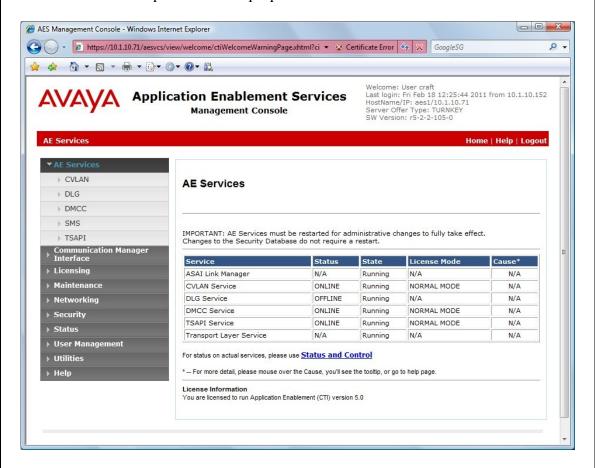
- Verify Application Enablement Services License
- Administer CTI User
- Administer Switch Connection
- Administer TSAPI link
- Administer CTI user permission

7.1. Verify Application Enablement Services License



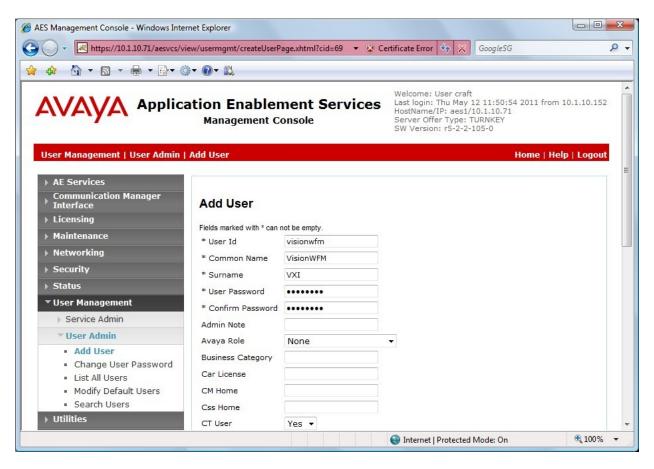
Step | **Description**

2. Select **AE Services** from the left menu. From the Welcome to AE Services page, verify that the Application Enablement Services has proper license for the feature illustrated in these Application Notes by ensuring the **License Mode** for **TSAPI Service** is **NORMAL MODE**, as shown below. If the TSAPI Service is not licensed, then contact the Avaya sales team or business partner for the proper license to install onto the WebLM Server.

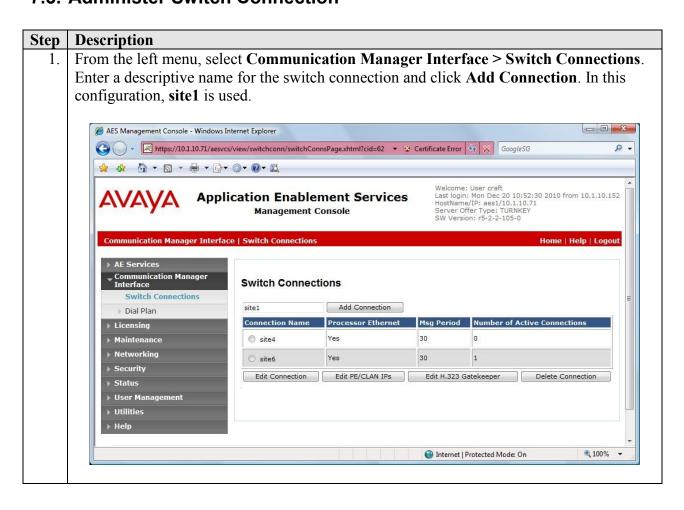


7.2. Administer CTI User

Click User Management, then User Admin > Add User in the left pane. Specify a value for User Id, Common Name, Surname, User Password and Confirm Password. Set CT User to Yes. Use the values for User Id and User Password to configure VisionWFM in Section 8 to access the TSAPI Service on the Application Enablement Services. Scroll down to the bottom of the page and click Apply (not shown).

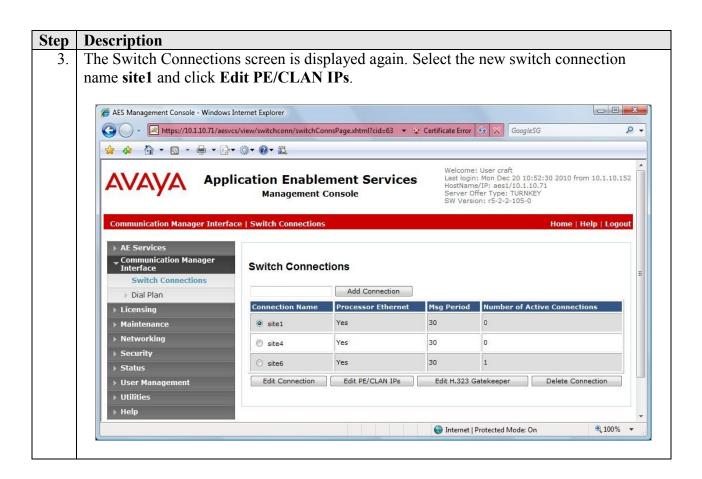


7.3. Administer Switch Connection



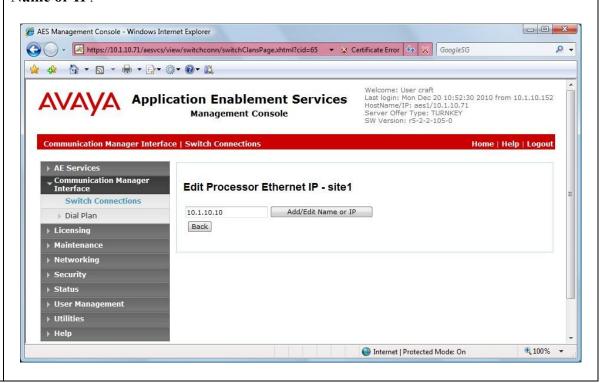
2. The Connection Details – site1 screen is displayed. For the Switch Password and Confirm Switch Password fields, enter the password that was administered in Communication Manager using the IP Services form in Section 5.6 Step 3. Both the SSL and Processor Ethernet fields need to be checked. Click on Apply.



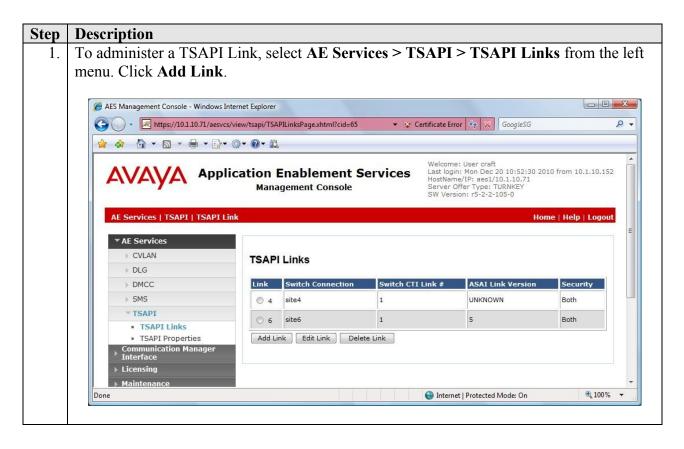


Step | **Description**

4. In the Edit Processor Ethernet IP – site1 screen, enter the host name or IP address of the Communication Manager processor Ethernet. In this case, **10.1.10.10** is used, which corresponds to the IP address of the S8800 Server as shown in **Figure 1**. Click **Add/Edit Name or IP**.



7.4. Administer TSAPI Link



Step | **Description**

2. In the Add TSAPI Links screen, select the following values:

• Link: Select an available Link number from 1 to 16.

• Switch Connection: Select the switch connection in Section 7.3 Step 1.

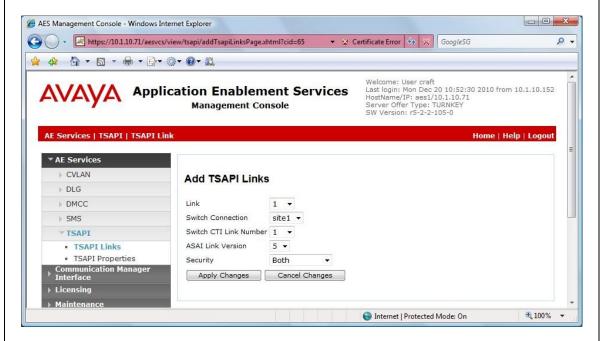
• Switch CTI Link Number: Corresponding CTI link number in Section 5.6 Step 2.

• **ASAI Link Version:** Set to 5.

• **Security:** Set to **Both** so that both encrypted and unencrypted

TSAPI Links can be used.

Note that the actual values may vary. Click **Apply Changes**.

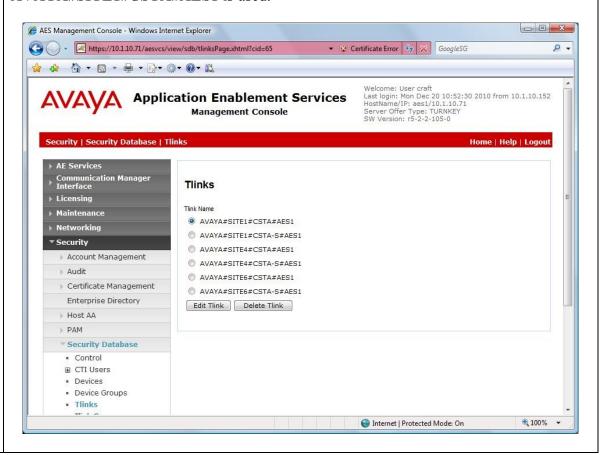


In the next page, click **Apply** to confirm the changes (not shown).

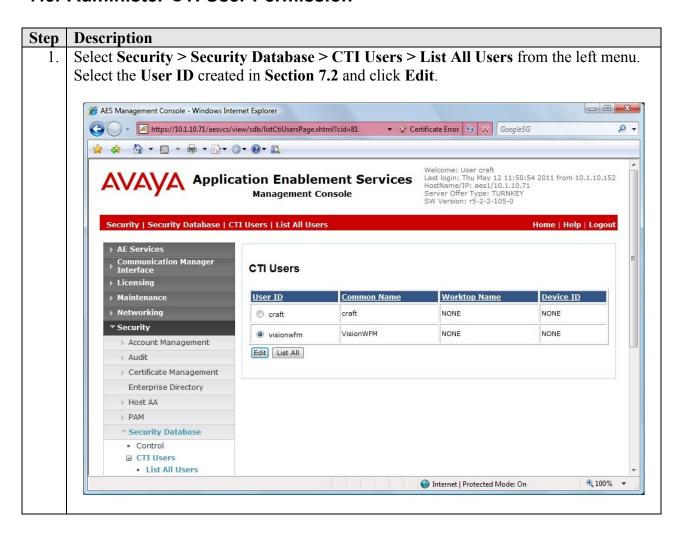
Description Step To restart the TSAPI Service, select Maintenance > Service Controller from the left menu. Check the TSAPI Service checkbox and click Restart Service. In the next page, click **Restart** to confirm the restart (not shown). AES Management Console - Windows Internet Explorer https://10.1.10.71/aesvcs/view/maint/serviceController.xhtml?cid=66 ▼ 😵 Certificate Error 🍫 💢 GoogleSG P -🙀 🎄 🤚 + 🕤 + 🖶 + 📴+ 🚳+ 🔞+ 🛍 weicome: User craft Last login: Mon Dec 20 10:52:30 2010 from 10.1.10.152 HostName/IP: aes1/10.1.10.71 Server Offer Type: TURKEY SW Version: r5-2-2-105-0 **Application Enablement Services Management Console** Maintenance | Service Controller Home | Help | Logout AE Services **Service Controller** Controller Status ASAI Link Manager Running Date Time/NTP Server DMCC Service Running Security Database CVLAN Service Running Service Controller DLG Service Running Server Data Transport Layer Service Running ▶ Networking ▼ TSAPI Service Running Security For status on actual services, please use Status and Control Start | Stop | Restart Service | Restart AE Server | Restart Linux | Restart Web Server User Management **100%** Internet | Protected Mode: On

Step Description

4. Navigate to the Tlinks screen by selecting **Security > Security Database > Tlinks** from the left menu. Note the value of the **Tlink Name**, as this will be needed to configure VisionWFM in **Section 8**. In this configuration, the unencrypted **Tlink Name AVAYA#SITE1#CSTA#AES1** is used.

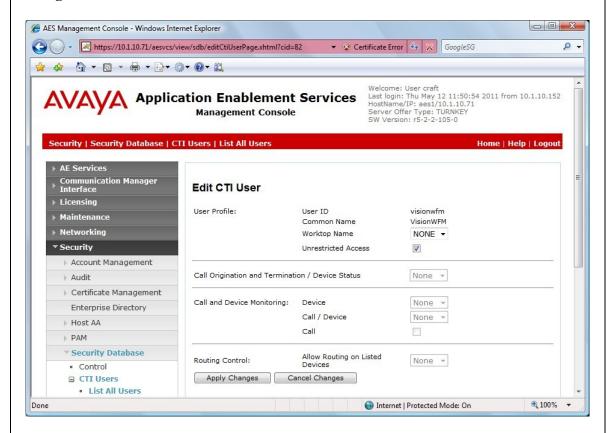


7.5. Administer CTI User Permission



Step | **Description**

2. Assign access rights and call/device privileges according to customer requirements. For simplicity in configuration, **Unrestricted Access** was enabled during compliance testing. If **Unrestricted Access** is not desired, then consult Reference [4] for guidance on configuring the call/device privileges as well as devices and device groups. Click **Apply Changes**.



In the next page, click **Apply** to confirm the changes (not shown).

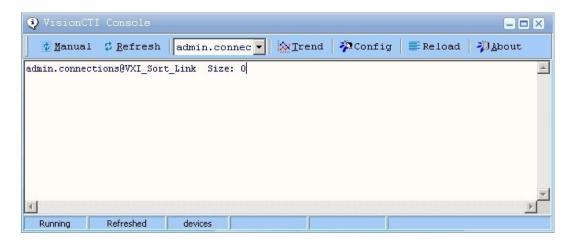
8. Configure VXI China VisionWFM

This section provides the procedures for installing and configuring VisionWFM. The procedures include the following areas:

- Configure VisionCTI Service
- Configure devices to be monitored

8.1. Configure VisionCTI Service

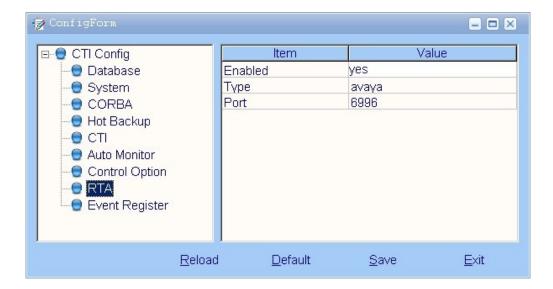
Log in to the VisionWFM server using an administrator account and click **Start > All Programs** > **Vision-X > VisionCTI > VisionCTI**. From the VisionCTI Console, click **Config**.



Select **RTA** from the left menu and configure the following for the Generic-RTA interface.

Enabled: "yes"Type: "avaya"

• **Port:** "6996". This must match the port configured on Avaya CMS in **Section 6**.

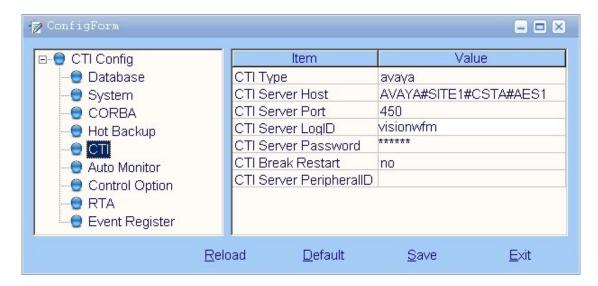


Select **CTI** from the left menu and configure the following for the TSAPI interface. Use the default values for all other fields.

• CTI Type: "avaya"

CTI Server Host: Enter the Tlink Name in Section 7.4 Step 4.
 CTI Server Port: "450". This is the default port for TSAPI.
 CTI Server LogID: Enter the User Id created in Section 7.2.

• CTI Server Password: Enter the User Password created in Section 7.2.



8.2. Configure Devices to be Monitored

In this compliance testing, the management platform VisionONE was not installed. As such, the configuration of the devices (extensions, skilled hunt groups and agent-IDs) to be monitored by VisionWFM was done using an SQL script. A sample SQL script is shown below.

```
-- add devices
insert into vxi_sys..devices(device, sortid, devname, devtype, enabled)
    select 10001,20100000, 'Ext.10001',1,1

-- add skills
insert into vxi_sys..skill(skill, sortid, skillname, skilltype, prjid, enabled)
    select '13001',20100000,'13001',1,0,1

-- add agents
insert into vxi_sys..agent(agent, sortid, agentname, regdate, state, enabled)
    select '11001',20100000,'11001',getdate(),1,1

-- sync into to database vxi_ucd
exec vxi ucd..sp syn device setup
```

9. Verification Steps

This section provides the tests that can be performed to verify proper configuration of Communication Manager, Avaya Call Management System, Application Enablement Services and VXI China VisionWFM.

9.1. Verify Communication Manager

Verify the status of the processor interface channel by using the **status processor-channels n** command, where **n** is the processor channel number from **Section 5.4**. Verify that the **Session Layer Status** is **In Service**, and that the **Socket Status** is **TCP connected**, as shown below.

```
status processor-channels 1
PROCESSOR-CHANNEL STATUS

Channel Number: 1
Session Layer Status: In Service
Socket Status: TCP connected
Link Number: pv4
Link Type: processor ethernet
Message Buffer Number: 0

Last Failure: None
At: 04/12/11 12:24
```

Verify the status of the processor ethernet link by using the **status link procr** command. Verify that the **Link Status** is **inservice** as shown below.

```
Link Status: inservice
Link Type: processor

Service Port Location: eth0

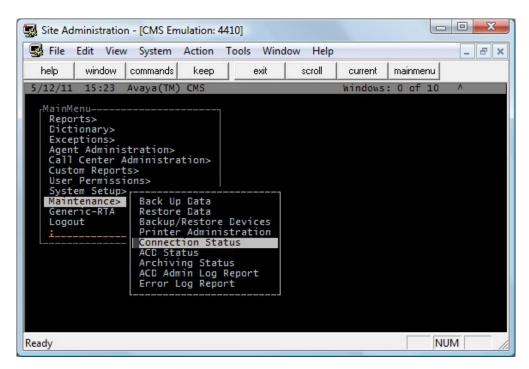
V4 Parameters
Node Name: procr
Source IP Address: 10.1.10.10/24

Broadcast Address: 10.1.10.255

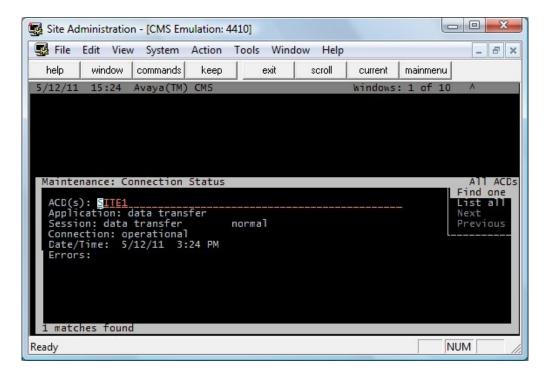
Enabled? yes
Maintenance Busy? no
Active Channels: 1
```

9.2. Verify Call Management System

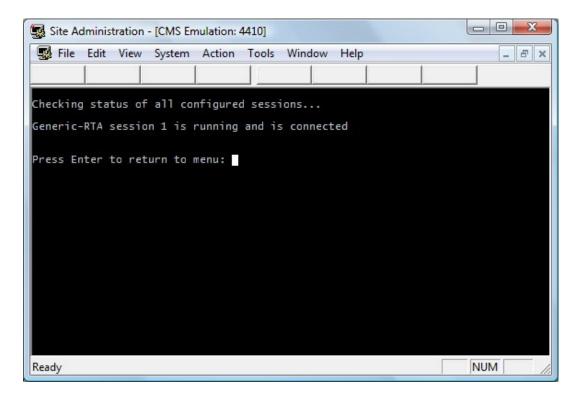
From the **MainMenu**, verify the status of the connection to Communication Manager by selecting **Maintenance** \rightarrow **Connection Status**, as shown below.



Tab over to **Find one** and press **Enter**. The switch connection status is displayed. Check the status in the **Session** and **Connection** fields, as shown below.

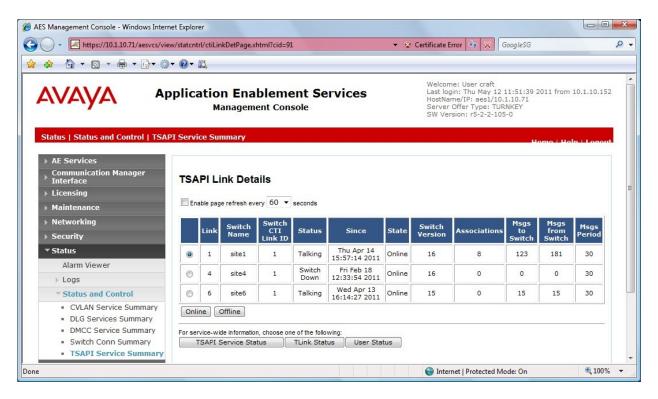


From the Generic-RTA menu, select option '3' to check the status of the Generic-RTA interface. The Generic-RTA session should be **running** and **connected** as shown below.



9.3. Verify Application Enablement Services

From the Application Enablement Services Management Console web page, verify the status of the TSAPI Link by selecting **Status > Status and Control > TSAPI Service Summary** from the left pane. The **Status** field for the **Switch Name** "site1" should display **Talking**.

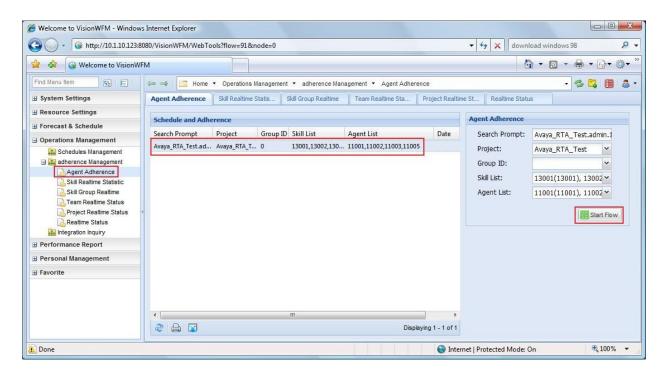


8.1 Verify VXI China VisionWFM

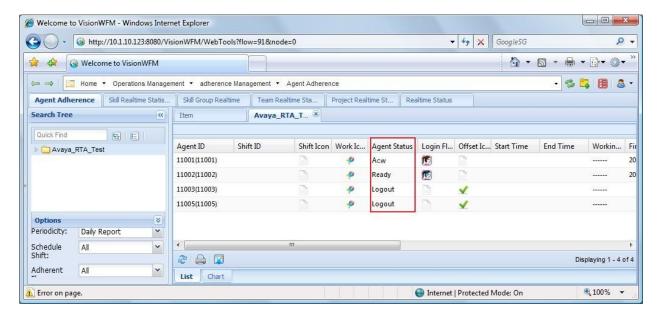
Using Internet Explorer, browse to <a href="http://<ip_addr>:8080/VisionWFM">http://<ip_addr>:8080/VisionWFM, where ip_addr is the IP address of the VisionWFM server. Log in using an account with administrative privileges.



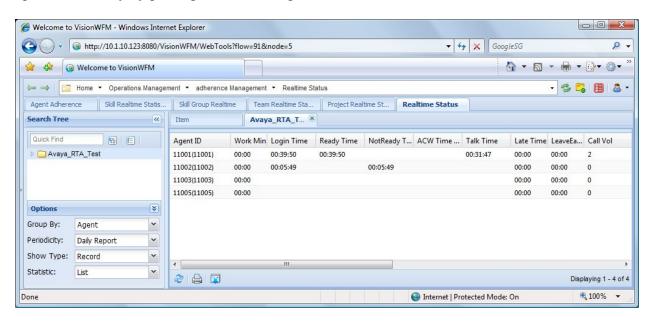
Select Adherence Management > Agent Adherence from the left, then click the appropriate row in Schedule and Adherence (e.g. for the hunt groups and agent-IDs used in the testing) and click Start Flow.



In the **Agent Adherence** tab, verify that the **Agent Status** field correctly indicates the agent state by comparing with the real-time report in Avaya CMS.



In the **Realtime Status** tab, verify that the call details such as **Talk Time** and **Call Vol** are updated correctly by placing a call to the agents.



10. Conclusion

These Application Notes describe the configuration steps required for VXI China VisionWFM 3.0 to successfully interoperate with Avaya Call Management System Release 16 and Avaya Aura® Application Enablement Services 5.2. All feature and serviceability test cases were completed successfully.

11. Additional References

The following documents are available at http://support.avaya.com.

- [1] *Administering Avaya Aura*™ *Communication Manager*, Release 6.0, Document No. 03-300509, August 2010.
- [2] Avaya Call Management System Release 16 Switch Connections, Administration, and Troubleshooting, November 2009.
- [3] Avaya Call Management System Release 16 Database Items and Calculations, November 2009.
- [4] Avaya AuraTM Application Enablement Services Administration and Maintenance Guide, Release 5.2, Document ID 02-300357, Issue 11, November 2009.

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