

Avaya Solution & Interoperability Test Lab

Application Notes for configuring Avaya Aura® Communication Manager R6.3 and Avaya Aura® Application Enablement Services R6.3 to interoperate with YouCon Cube - Issue 1.0

Abstract

These Application Notes describe the configuration steps for YouCon Cube to successfully interoperate with Avaya Aura® Communication Manager and Avaya Aura® Application Enablement Services. YouCon Cube integrates with Avaya Aura® Application Enablement Services using TSAPI for Computer Telephony Integration.

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 for YouCon Cube to successfully interoperate with Avaya Aura® Communication Manager R6.3 and Avaya Aura® Application Enablement Services R6.3. YouCon Cube integrates with Avaya Aura® Application Enablement Services using TSAPI for Computer Telephony Integration.

YouCon Cube is a Computer Telephony Integration (CTI) middleware that links the Avaya Aura® Communication Manager telephone system with an SAP application. Cube allows the SAP client third-party call control of Communication Manager telephones. This then allows the SAP Client user full CTI capability to make, receive, hold and transfer calls using the SAP Client application.

2. General Test Approach and Test Results

The interoperability compliance testing evaluated the of Cube to integrate correctly with AES and Communication Manager using the TSAPI link on the AES to gain third-party call control of Communication Manager telephones. Tests were carried out using the SAP Client to make, receive, hold and transfer calls.

DevConnect Compliance Testing is conducted jointly by Avaya and DevConnect members. The jointly-defined test plan focuses on exercising APIs and/or standards-based interfaces pertinent to the interoperability of the tested products and their functionalities. DevConnect Compliance Testing is not intended to substitute full product performance or feature testing performed by DevConnect members, nor is it to be construed as an endorsement by Avaya of the suitability or completeness of a DevConnect member's solution.

2.1. Interoperability Compliance Testing

The interoperability compliance test included both feature functionality and serviceability testing. The feature functionality testing focused on placing and recording calls in different call scenarios with good quality audio recordings and accurate call records. The tests included:

- **Agent state change** Make agent Ready/Not Ready using SAP client.
- **Inbound Calls** Answer calls using SAP Client.
- Outbound Calls Make calls using SAP Client.
- Call Hold Place calls on hold and retrieve calls using the SAP Client.
- **Blind Transfer** Transfer callers using SAP Client.
- Consultative Transfer Transfer callers using SAP Client.
- **Inbound Skillset Calls** Answer skillset/VDN calls using the SAP Client.
- **Failover Testing** The serviceability testing focused on verifying the ability of Cube to recover from disconnection and reconnection to the Avaya solution.

2.2. Test Results

All functionality and serviceability test cases were completed successfully. The following observations were noted.

- The SAP Client does not login or logout the agents on Communication Manager. An agent must be logged in manually before the SAP Client takes call control.
- If the agent is make ready/not ready manually on either the Avaya one-X® Agent or the Avaya H.323 telephone this is not reflected on the SAP Client screen.
- If a call is made manually using either the Avaya one-X® Agent or the Avaya H.323 telephone this is not reflected on the SAP Client screen.
- If a caller is placed on hold manually using either the Avaya one-X® Agent or the Avaya H.323 telephone this is not reflected on the SAP Client screen.

2.3. Support

Technical support can be obtained for YouCon as follows:

Website: www.youcon.com
 Phone: +43 (1) 33 44 0 44

3. Reference Configuration

The configuration in **Figure 1** will be used to compliance test YouCon Cube with Communication Manager using a CTI connection through AES to gain call control of the Avaya one-X® Agent softphone and the Avaya H.323 Deskphone.

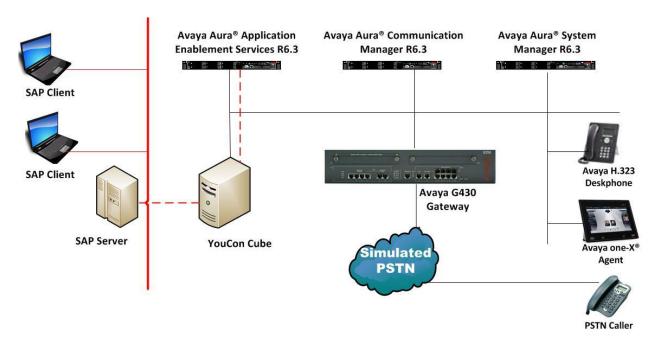


Figure 1: Connection of YouCon Cube with Avaya Aura® Communication Manager R6.3 and Avaya Aura® Application Enablement Services R6.3

4. Equipment and Software Validated

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

Equipment/Software	Release/Version
Avaya Aura® System Manager running on Avaya S8800 Server	System Manager 6.3.0 - FP2 Build No 6.3.0.8.5682-6.3.8.1814 Software Update Revision No: 6.3.3.5.1719
Avaya Aura® Communication Manager running on Avaya S8800 Server	R6.3 SP1 R016x.03.0.124.0
Avaya Aura® Application Enablement Services running on Avaya S8800 Server	R6.3 Build No - 6.3.0.0.212-0
Avaya G430 Gateway	R6.3
Avaya 96xx/96x1Series Deskphone	96xx H.323 Release 3.1 SP2
Avaya one-X® Agent	R2.5
YouCon Cube - SAP Module - Avaya Contact Centre Module	V 1.4.0 V1.0.0
SAP CRM Client	7 EP1

5. Configure Avaya Aura® Communication Manager

The information provided in this section describes the configuration of Communication Manager relevant to this solution. For all other provisioning information such as initial installation and configuration, please refer to the product documentation in **Section 10**.

The configuration illustrated in this section was performed using Communication Manager System Administration Terminal (SAT).

5.1. Verify System Features

Use the **display system-parameters customer-options** command to verify that Communication Manager has permissions for features illustrated in these Application Notes. On **Page 3**, ensure that **Computer Telephony Adjunct Links?** is set to **y** as shown below.

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

5.2. Note procr IP Address for Avaya Aura® Application Enablement Services Connectivity

Display the procr IP Address by using the command **display node-names ip** and noting the IP address for the **procr** and AES (aes63vmpg).

display node-names	ip			Page	1 of	2
		IP NODE	NAMES			
Name	IP Address					
SM100	10.10.40.34					
aes63vmpg	10.10.40.30					
default	0.0.0.0					
g430	10.10.40.15					
procr	10.10.40.31					

5.3. Configure Transport Link for Avaya Aura® Application Enablement Services Connectivity

To administer the transport link to AES use the **change ip-services** command. On **Page 1** add an entry with the following values:

- **Service Type:** should be set to **AESVCS**.
- Enabled: set to v.
- Local Node: set to the node name assigned for the procr in Section 5.10.
- Local Port Retain the default value of 8765.

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

Go to **Page 4** of the **ip-services** form and enter the following values:

- AE Services Server: Name obtained from the AES server, in this case aes63vmpg.
- **Password:** Enter a password to be administered on the AES server.
- **Enabled:** Set to y.

Note: The password entered for **Password** field must match the password on the AES server in **Section 6.2**. The **AE Services Server** should match the administered name for the AES server, this is created as part of the AES installation, and can be obtained from the AES server by typing **uname –n** at the Linux command prompt.

change ip-serv	ices			Page	4 of	4
AE Services Administration						
Server ID	AE Services Server	Password	Enabled	Status		
1: 2: 3:	aes63vmpg	*****	У	idle		

5.4. Configure CTI Link for TSAPI Service

Add a CTI link using the **add cti-link n** command. Enter an available extension number in the **Extension** field. Enter **ADJ-IP** in the **Type** field, and a descriptive name in the **Name** field. Default values may be used in the remaining fields.

add cti-link 1

CTI LINK

CTI Link: 1

Extension: 2002

Type: ADJ-IP

COR: 1

Name: aes63vmpg

5.5. Configure Agent Stations

It is assumed that all agent stations are already full configured and that all monitored phones are already in place. Please refer to Appendix A for a printout of the following that were used during compliance testing:

- Avaya 9620 Deskphone
- Avaya one-X Agent Softphone
- Agent 4400

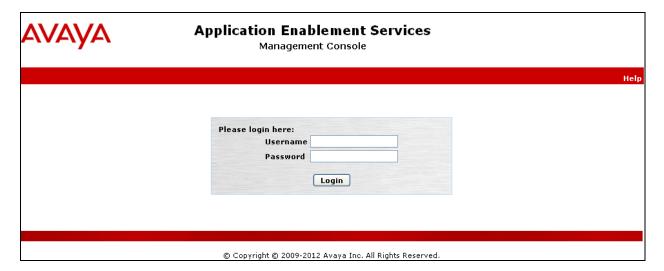
6. Configure Application Enablement Services

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

- Verify Licensing
- Create Switch Connection
- Administer TSAPI link
- Create CTI User
- Enable CTI Link User
- Identify Tlinks
- Enable TSAPI ports

6.1. Verify Licensing

To access the maintenance console, enter **https://<ip-addr>** as the URL in an Internet browser, where <ip-addr> is the active IP address of AES. The login screen is displayed, log in with the appropriate credentials and then select the **Login** button.

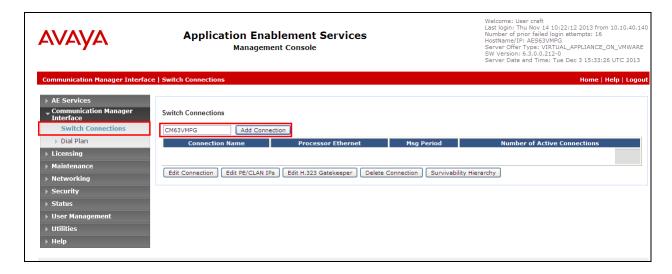


The Application Enablement Services Management Console appears displaying the **Welcome to OAM** screen (not shown). Select **AE Services** and verify that the TSAPI Service is licensed by ensuring that **TSAPI Service** is in the list of services and that the **License Mode** is showing **NORMAL MODE**. If not, contact an Avaya support representative to acquire the proper license for your solution.

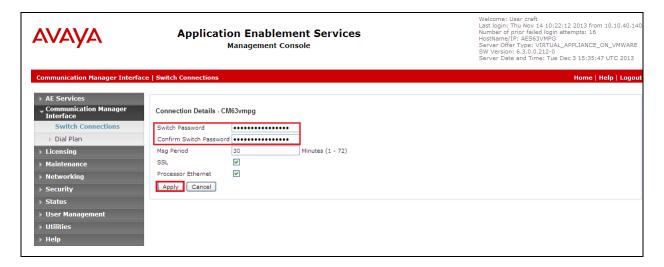


6.2. Create Switch Connection

From the AES Management Console navigate to **Communication Manager Interface Switch Connections** to set up a switch connection. Enter in a name for the Switch Connection to be added and click the **Add Connection** button.



In the resulting screen enter the **Switch Password**, the Switch Password must be the same as that entered into Communication Manager AE Services Administration screen via the **change ipservices** command, described in **Section 5.3**. Default values may be accepted for the remaining fields. Click **Apply** to save changes.

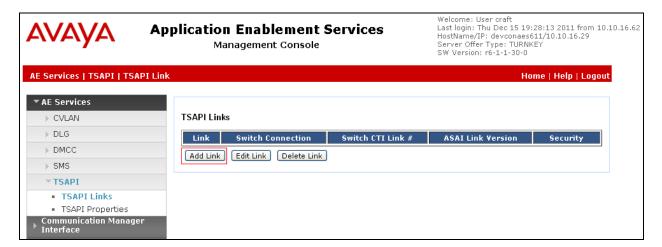


From the **Switch Connections** screen, select the radio button for the recently added switch connection and select the **Edit CLAN IPs** button (not shown). In the resulting screen, enter the IP address of the procr as shown in **Section 5.2** that will be used for the AES connection and select the **Add Name or IP** button.



6.3. Administer TSAPI link

From the Application Enablement Services Management Console, select **AE Services** → **TSAPI** → **TSAPI Links**. Select **Add Link** button as shown in the screen below.



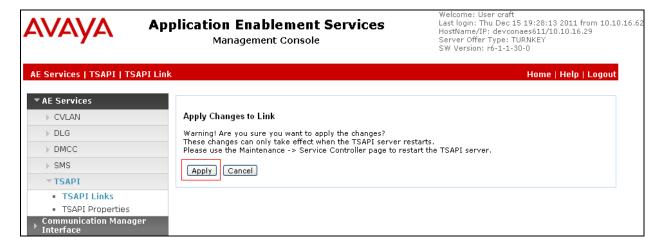
On the **Add TSAPI Links** screen, enter the following values:

- **Link:** Use the drop-down list to select an unused link number.
- **Switch Connection:** Choose the switch connection **CM63VMPG**, which has already been configured in **Section 6.2** from the drop-down list.
- **Switch CTI Link Number:** Corresponding CTI link number configured in **Section 5.12** which is **1**.
- **ASAI Link Version:** This can be left at the default value of 5.
- **Security:** This can be left at the default value of **both**.

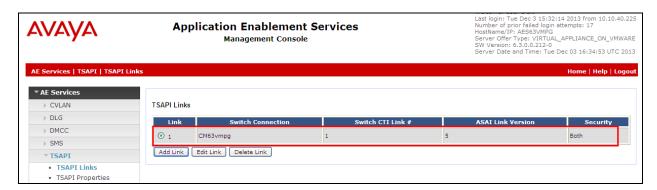
Once completed, select **Apply Changes**.



Another screen appears for confirmation of the changes. Choose **Apply**.



When the TSAPI Link is completed, it should resemble the screen below.

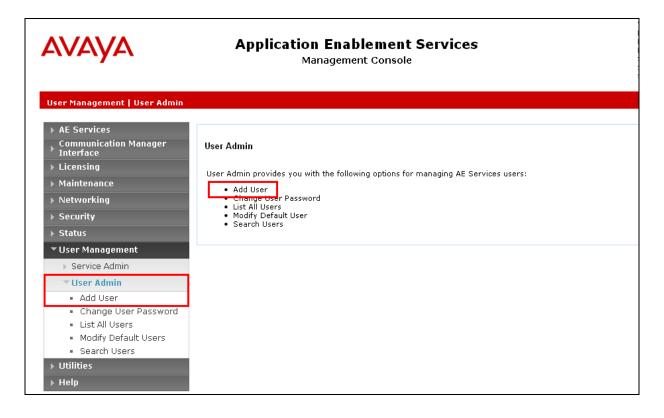


The TSAPI Service must be restarted to effect the changes made in this section. From the Management Console menu, navigate to **Maintenance** → **Service Controller**. On the Service Controller screen, tick the **TSAPI Service** and select **Restart Service**.



6.4. Create Avaya CTI User

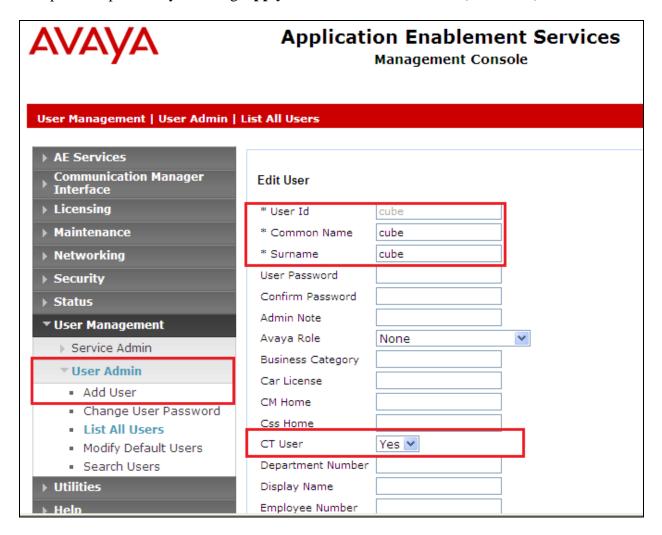
A User ID and password needs to be configured for the Cube server to communicate as a TSAPI client with the Application Enablement Services server. Navigate to the **User Management** \rightarrow **User Admin** screen then choose the **Add User** option.



In the **Add User** screen shown below, enter the following values:

- User Id This will be used by the Cube Server in Section 7.2.
- Common Name and Surname Descriptive names need to be entered.
- User Password and Confirm Password This will be used with the User Id in Section 7.2.
- **CT User -** Select **Yes** from the drop-down menu.

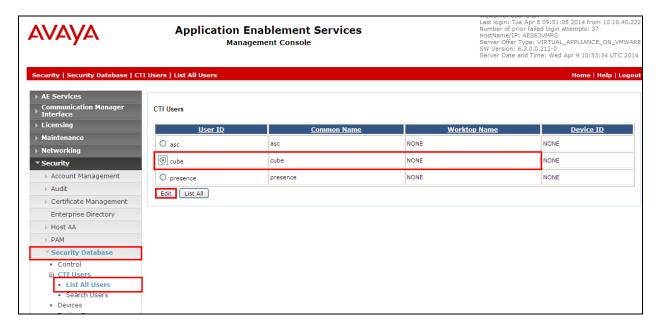
Complete the process by choosing **Apply** at the bottom of the screen (not shown).



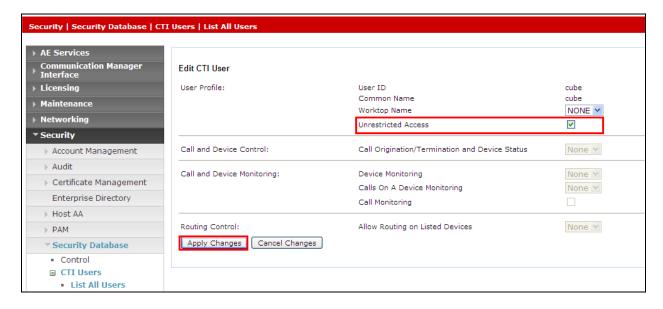
The next screen will show a message indicating that the user was created successfully (not shown).

6.5. Enable Unrestricted Access for CTI User

Navigate to the CTI Users screen by selecting Security → Security Database → CTI Users → List All Users. Select the user that was created in Section 6.4 and select the Edit option.



The **Edit CTI User** screen appears. Check the **Unrestricted Access** box and **Apply Changes** at the bottom of the screen.



A screen (not shown) appears to confirm applied changes to **CTI User**, choose **Apply**. This CTI user should now be enabled.

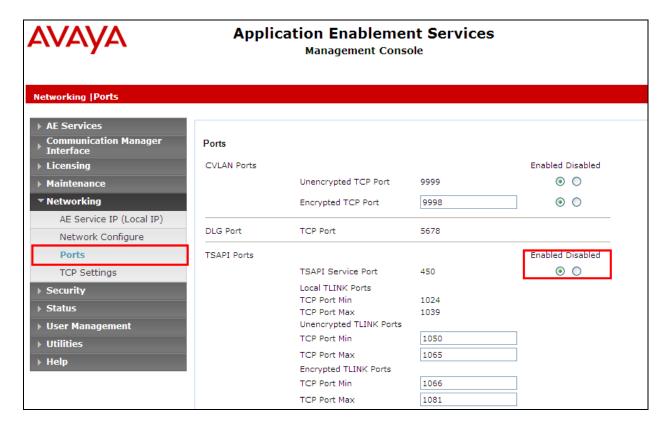
6.6. Identify Tlinks

Navigate to **Security** → **Security Database** → **Tlinks**. Verify the value of the **Tlink Name**. This will be needed to configure the Cube server in **Section 7.4**.



6.7. TSAPI Ports enabled

To ensure that TSAPI ports are enabled navigate to **Networking >Ports >TSAPI Ports**. Ensure these are set to **Enabled** as shown below.



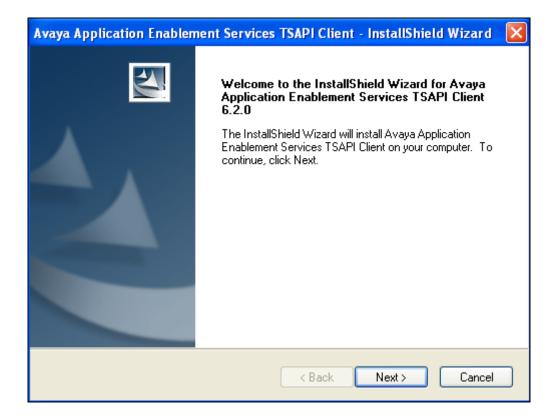
7. Configure YouCon Cube

The installation of YouCon Cube is always carried out by an engineer from YouCon either on site or remotely. The installation and configuration of Cube is therefore outside the scope of these Application Notes. The following sections will outline the process involved in connecting the Avaya Contact Centre module of Cube to the AES.

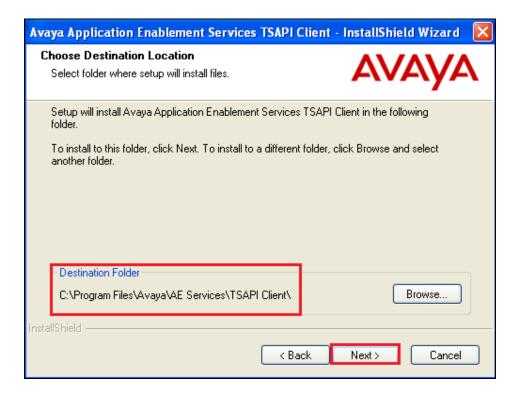
7.1. Installation of Avaya TSAPI Client

The TSAPI client is required by Cube and allows third-party call control of devices on Communication Manager through Avaya Aura® Application Enablement Services (AES). This software may be included by YouCon as part of the installation but it is available as a free download from the Avaya DevConnect website.

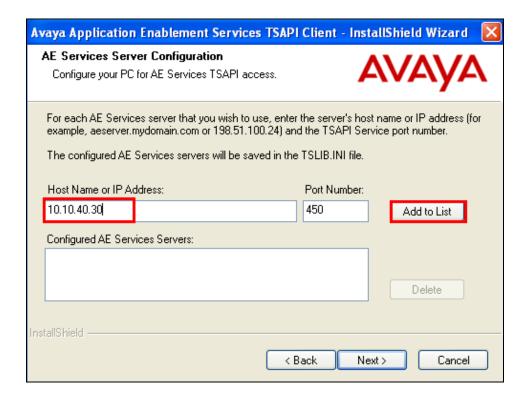
Run the TSAPI Client Install.exe on the Cube server (not shown), the following window appears, click on **Next** to continue.



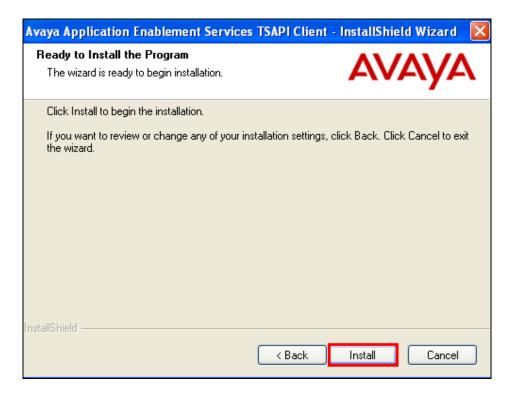
Choose a suitable **Destination Folder** and click on **Next** to continue.



Enter the **IP address** of the AES and use the default **Port Number**, click on **Add to List** and then **Next** to continue.



Finally click on **Install** to complete the installation.



7.2. Configure YouCon Cube Avaya Contact Center Configuration File

Navigate to **Program files** (x86) \rightarrow **YouCon** \rightarrow **AvayaContactCenter**. Open the **AvayaContactCenter.exe.config** using notepad (If the Avaya Contact Center has been installed as a Windows service, the path and file name will be different. The YouCon engineer that has performed the installation of Cube will provide the correct path and name of the configuration file).

```
File Edit Format View Help

<p
```

Make changes to the highlighted section as shown below, inserting the username and password of the CTI User created in **Section 6.4**. Enter the tsapi link as shown in **Section 6.6**.

```
<add key="tsapi_username" value="cube"/>
<add key="tsapi_password" value="cube1"/>
<add key="tsapi_link" value="AVAYA#CM63VMPG#CSTA#AES63VMPG"/>
```

Once this is completed the connection to the AES should be fully established and can be tested by following the steps outlined in **Section 8**.

8. Verification Steps

This section provides the steps that can be taken to verify a correct configuration of the Avaya Aura® Application Enablement Services and YouCon Cube.

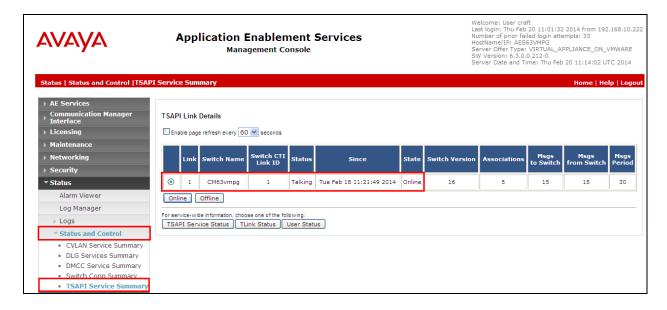
8.1. Verify Avaya Aura® Communication Manager CTI Service State

The following steps can validate that the communication between Communication Manager and AES is functioning correctly. Check the AESVCS link status by using the command **status aesvcs cti-link**. Verify the **Service State** of the CTI link is **established**.

statu	s aesvcs ct	i-link				
			AE SERVICES	CTI LINK STATUS		
CTI Link	Version	Mnt Busy	AE Services Server	Service State	Msgs Sent	Msgs Rcvd
1	4	no	aes63vmpg	established	18	18

8.2. Verify TSAPI Link

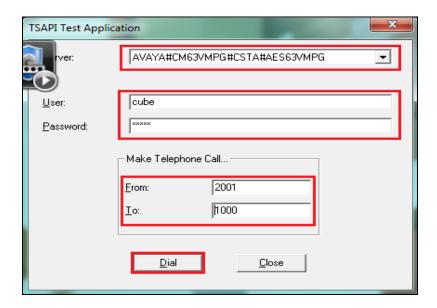
On the AES Management Console verify the status of the TSAPI link by selecting **Status Status and Control TSAPI Service Summary** to display the **TSAPI Link Details** screen. Verify the status of the TSAPI link by checking that the **Status** is **Talking** and the **State** is **Online**.



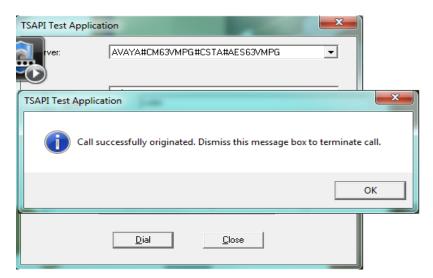
8.3. Verify connection to Avaya Aura® Application Enablement Services from YouCon Cube

A TSAPI Test Application comes with the installation of the TSAPI Client which was outlined in **Section 7.1**. This application can be used to make a call from one deskphone to another on Communication Manager, this will confirm that 3rd Party Call Control is possible and therefore the connection from the Cube server to the AES is setup correctly.

Open the **TSAPI Test Application** (not shown), the following window appears. The server information will be populated automatically. Enter the **User** and **Password** for the CTI User that was created in **Section 6.4**. Enter the **From** and **To** extension number for the call and click **Dial**.



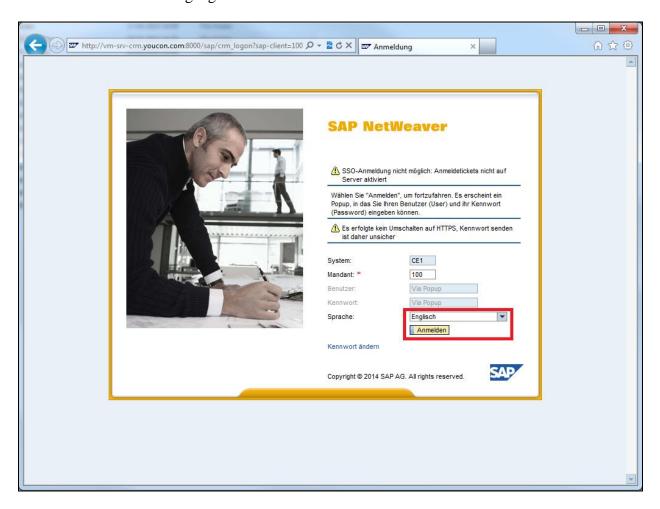
If the connection is setup correctly deskphone 2001 will have initiated a call to deskphone 1000 and the following message will have appeared.



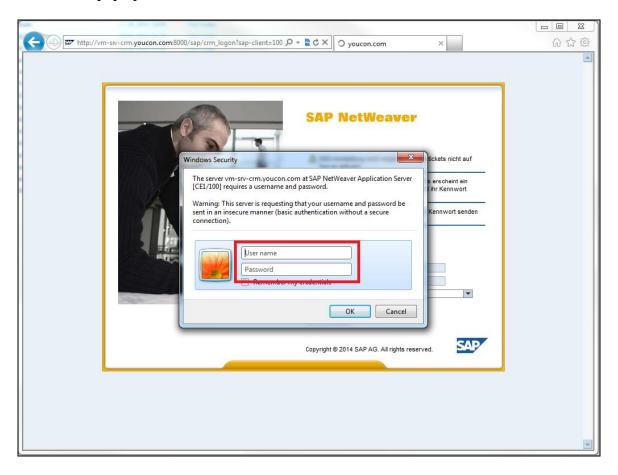
8.4. Verify SAP Client has 3rd – Party Call Control

From an agent workstation (Client PC) open a web browser to the Cube server. Log in to the SAP Client application as shown below.

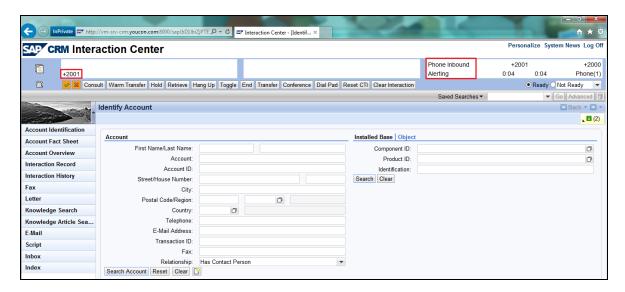
Open a browser and enter the URL of the SAP-CRM Web-Client as supplied by the SAP administrator. Select a language and click on **Anmelden**.



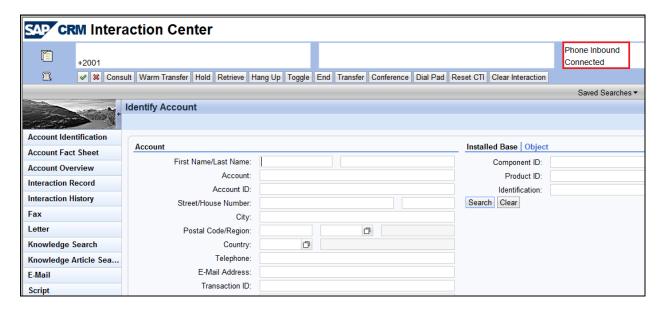
A window will pop up, enter valid SAP-CRM credentials.



Once logged in to the SAP Client make a call into the agent's extension number. The following screen will show an incoming call and the agent in an **Alerting** state. The CLID of the caller should also get displayed.



Once the call is answered the state will have changed from **Alerting** to **Connected**.



9. Conclusion

These Application Notes describe the configuration steps required for YouCon Cube to successfully interoperate with Avaya Aura® Communication Manager R6.3 using Avaya Aura® Application Enablement Services R6.3. All feature functionality and serviceability test cases were completed successfully with some observations noted in **Section 2.2**.

10. Additional References

This section references the Avaya and Cube product documentation that are relevant to these Application Notes.

Product documentation for Avaya products may be found at http://support.avaya.com.

- [1] Administering Avaya Aura® Communication Manager, Document ID 03-300509
- [2] Avaya Aura® Communication Manager Feature Description and Implementation, Document ID 555-245-205
- [3] Avaya Aura® Application Enablement Services Administration and Maintenance Guide Release 6.3

Technical documentation can be obtained for Cube as follows:

Website: www.youcon.com
 Phone: +43 (1) 33 44 0 44

Appendix

Avaya one-X® Agent Softphone

This is a printout of the Avaya one-X® Agent softphone used during compliance testing.

```
display station 2100
                                                                                Page 1 of
                                              STATION
     nsion: 2100

Type: 9630

Port: S00031

Name: one-X Agent1

Lock Messages? n

Security Code: *

Coverage Path 1:

Coverage Path 2:

Hunt-to Station:
Extension: 2100
                                                                                        BCC: 0
                                                                                         TN: 1
                                                                                       COR: 1
                                                                                         cos: 1
                                                                                     Tests? y
STATION OPTIONS
                 Location: Time of Day Lock Table:
Loss Group: 19 Personalized Ringing Pattern: 1
         Speakerphone: 2-way Mute Button Enabled? y
Display Language: english Button Modules: 0
able GK Node Name:
                                                           Message Lamp Ext: 2100
 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
```

```
display station 2100
                                                                                Page 2 of
                                           STATION
FEATURE OPTIONS
           LWC Reception: spe Auto Select Any Idle Appearance? n
LWC Activation? y Coverage Msg Retrieval? y
External Calls? n Auto Answer: nc
CDR Privacy? n Data Restriction? n
  LWC Log External Calls? n
                                                                              Auto Answer: none
Redirect Notification? y
Per Button Ring Control? n
Bridged Call Alerting? n
Active Station Pingin
              CDR Privacy? n
                                                                        Data Restriction? n
                                                     Idle Appearance Frederice? n
Bridged Idle Line Preference? n
  Active Station Ringing: single
                                                                      EMU Login Allowed? n
         H.320 Conversion? n Per Station CPN - Send Calling Number?
    Service Link Mode: as-needed
Multimedia Mode: enhanced
MWI Served User Type:
                                                                     EC500 State: enabled
                                                              Audible Message Waiting? n
                                                          Display Client Redirection? n
                AUDIX Name:
                                                          Select Last Used Appearance? n
                                                            Coverage After Forwarding? s
                                                              Multimedia Early Answer? n
 Remote Softphone Emergency Calls: as-on-local Direct IP-IP Audio Connections? y
  Emergency Location Ext: 2100 Always Use? n IP Audio Hairpinning? n
```

```
display station 2100
                                                               Page
                                                                      3 of 5
                                    STATION
            Conf/Trans on Primary Appearance? n
  Bridged Appearance Origination Restriction? n
              Call Appearance Display Format: disp-param-default
                           IP Phone Group ID:
Enhanced Callr-Info Display for 1-Line Phones? n
                             ENHANCED CALL FORWARDING
                                      Forwarded Destination
                                                                   Active
Unconditional For Internal Calls To: 1000
                                                                       n
                  External Calls To: 1000
                                                                       n
         Busy For Internal Calls To:
                                                                       n
                  External Calls To:
     No Reply For Internal Calls To:
                                                                       n
                  External Calls To:
           SAC/CF Override: n
```

```
display station 2100
                                                              Page
                                                                     4 of
                                    STATION
 SITE DATA
     Room:
                                                      Headset? n
      Jack:
                                                      Speaker? n
                                                     Mounting: d
     Cable:
     Floor:
                                                  Cord Length: 0
  Building:
                                                    Set Color:
ABBREVIATED DIALING
    List1:
                             List2:
                                                       List3:
BUTTON ASSIGNMENTS
1: call-appr
                                        5: manual-in
                                                             Grp:
2: call-appr
                                        6: after-call
                                                             Grp:
                                       7: aux-work RC: Grp:
3: call-appr
4: auto-in
                      Grp:
                                       8:
    voice-mail
```

Avaya 9620 H.323 Deskphone

This is a printout of the Avaya 9620 H.323 Deskphone used during compliance testing.

```
display station 2000
                                                                    Page
                                                                           1 of
                                       STATION
                                        Lock Messages? n
Security Code: *
Coverage Path 1: 2
Extension: 2000
                                                                           BCC: 0
     Type: 9620
                                                                            TN: 1
                                                                          COR: 1
     Port: S00000
     Name: Paul 2000
                                        Coverage Path 2:
                                       Hunt-to Station:
                                                                        Tests? y
STATION OPTIONS
              Location: Time of Day Lock Table:
Loss Group: 19 Personalized Ringing Pattern: 1
                                                   Message Lamp Ext: 2000
       Speakerphone: 2-way
Display Language: english
                                               Mute Button Enabled? y
 Survivable GK Node Name:
          Survivable COR: internal
                                                 Media Complex Ext:
   Survivable Trunk Dest? v
                                                        IP SoftPhone? n
                                                            IP Video? n
                               Short/Prefixed Registration Allowed: default
                                                Customizable Labels? y
```

```
display station 2000
                                                                 Page
                                                                        2 of
                                                                               5
                                    STATION
FEATURE OPTIONS
          LWC Reception: spe Auto Select Any Idle Appearance? n
         LWC Activation? y
                                                    Coverage Msg Retrieval? y
 LWC Log External Calls? n
 CDR Privacy? n
Redirect Notification? y
er Button Ring Control? n
Bridged Call Alerting? n
Active Station
                                                              Auto Answer: none
                                                          Data Restriction? n
                                               Idle Appearance Preference? n
                                            Bridged Idle Line Preference? n
Per Button Ring Control? n
                                                  Restrict Last Appearance? y
 Active Station Ringing: single
                                                         EMU Login Allowed? n
                              Per Station CPN - Send Calling Number? y
       H.320 Conversion? n
       Service Link Mode: as-needed
                                                        EC500 State: enabled
        Multimedia Mode: enhanced
                                                   Audible Message Waiting? n
   MWI Served User Type:
                                                Display Client Redirection? n
             AUDIX Name:
                                               Select Last Used Appearance? n
                                                 Coverage After Forwarding? s
                                                   Multimedia Early Answer? n
                                               Direct IP-IP Audio Connections? y
 Emergency Location Ext: 2000 Always Use? n IP Audio Hairpinning? n
```

```
display station 2000
                                                                Page
                                                                       3 of
                                     STATION
            Conf/Trans on Primary Appearance? n
   Bridged Appearance Origination Restriction? n
               Call Appearance Display Format: inter-location
                           IP Phone Group ID:
Enhanced Callr-Info Display for 1-Line Phones? n
                             ENHANCED CALL FORWARDING
                                      Forwarded Destination
                                                                    Active
 Unconditional For Internal Calls To: 4000
                                                                       n
                  External Calls To: 4000
                                                                        n
         Busy For Internal Calls To: 4202
                                                                        n
                  External Calls To: 4202
                                                                        n
     No Reply For Internal Calls To: 2101
                                                                        У
                  External Calls To: 2101
                                                                        У
            SAC/CF Override: n
```

display station 2000			Page	4 of	5
		STATION			
SITE DATA					
Room:			Headset? n		
Jack:			Speaker? n		
Cable:			Mounting: d		
Floor:			rd Length: 0		
Building:		Š	Set Color:		
ABBREVIATED DIALING					
List1:	List2		List3:		
LISCI.	шъсг	•	птрсэ.		
BUTTON ASSIGNMENTS					
1: call-appr		4: manual-in	Grp:		
2: call-appr		5: after-call	Grp:		
3: auto-in	Grp:	6: aux-work	RC: Grp:		
voice-mail					

Avaya Agent LoginID

This is a printout of one of the agents used during compliance testing.

```
display agent-loginID 4400
                                                               Page 1 of
                                AGENT LOGINID
               Login ID: 4400
                                                               AAS? n
                  Name: Paul
                                                             AUDIX? n
                     TN: 1
                                                     LWC Reception: spe
                    COR: 1
                                           LWC Log External Calls? n
          Coverage Path:
                                          AUDIX Name for Messaging:
          Security Code:
                                       LoginID for ISDN/SIP Display? n
                                                          Password:
                                             Password (enter again):
                                                       Auto Answer: station
                                                 MIA Across Skills: system
                                          ACW Agent Considered Idle: system
                                          Aux Work Reason Code Type: system
                                            Logout Reason Code Type: system
                      Maximum time agent in ACW before logout (sec): system
                                           Forced Agent Logout Time:
```

display agent-loginID		Page 2 of	3				
AGENT LOGINID							
Direct Agent Ski		Service Objective?					
Call Handling Preferen	ce: skill-level	Local Call Preference?	n				
SN RL SL	SN RL SL SN						
1: 33 1 16	31:	46:					
2: 34 1 17	': 32:	47:					
3: 18	33:	48:					
4: 19	34:	49:					
5: 20	35:	50:					
6: 21	: 36:	51:					
7: 22	37:	52 :					
8: 23	38:	53 :					
9: 24	: 39:	54:					
10: 25	40:	55 :					
11: 26	5: 41:	56 :					
12:		57:					
13:		58:					
14:		59 :					
15: 30		60:					
±3.	•	• •					

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