

Avaya Solution & Interoperability Test Lab

Application Notes for TASKE Contact with Avaya Aura® Communication Manager using Avaya Aura® Application Enablement Services – Issue 1.0

Abstract

These Application Notes describe the configuration steps required for TASKE Contact to interoperate with Avaya Aura® Communication Manager using Avaya Aura® Application Enablement Services.

In the compliance testing, TASKE Contact used the Telephony Services Application Programming Interface from Avaya Aura® Application Enablement Services to monitor contact center devices on Avaya Aura® Communication Manager, and used the event reports from the monitored devices to produce real-time and historical reports.

Readers should pay attention to **Section 2**, in particular the scope of testing as outlined in **Section 2.1** as well as any observations noted in **Section 2.2**, to ensure that their own use cases are adequately covered by this scope and results.

Information in these Application Notes has been obtained through DevConnect compliance testing and additional technical discussions. Testing was conducted via the DevConnect Program at the Avaya Solution and Interoperability Test Lab.

1. Introduction

These Application Notes describe the configuration steps required for TASKE Contact to interoperate with Avaya Aura® Communication Manager using Avaya Aura® Application Enablement Services.

In the compliance testing, TASKE Contact used the Telephony Services Application Programming Interface (TSAPI) from Avaya Aura® Application Enablement Services to monitor contact center devices on Avaya Aura® Communication Manager, and used the event reports from the monitored devices to produce real-time and historical reports.

2. General Test Approach and Test Results

The feature test cases were performed both automatically and manually. Upon start of the TASKE Contact application, the application automatically queried for device status and requested monitoring.

For the manual part of the testing, incoming and outgoing calls were made involving the contact center devices to enable event reports to be sent to TASKE Contact. Manual call controls from the customer and agent telephones were exercised to verify remaining events reports and reported device status by TASKE Contact.

The serviceability test cases were performed manually by disconnecting and reconnecting the LAN cable to the TASKE Contact server.

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

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

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

For the testing associated with this Application Note, the interface between Avaya systems and TASKE Contact did not include use of any specific encryption features.

2.1. Interoperability Compliance Testing

The interoperability compliance test included feature and serviceability testing.

The feature testing focused on verifying the following on TASKE Contact:

- Handling of TSAPI messages in the areas of event notification and value queries.
- Proper display of monitored device status in the real-time reports.

The serviceability testing focused on verifying the ability of TASKE Contact to recover from adverse conditions, such as disconnecting/reconnecting the Ethernet cable to the TASKE Contact server.

2.2. Test Results

All test cases were executed and passed.

2.3. Support

Technical support on TASKE Contact can be obtained through the following:

- Phone: (877) 778-2753
- Web: <u>http://www.taske.com/forms/form_asksupport.html</u>

3. Reference Configuration

The detailed administration of basic connectivity between Avaya Aura® Communication Manager and Avaya Aura® Application Enablement Services, and of contact center devices are not the focus of these Application Notes and will not be described.

In the compliance testing, the contact center devices consisted of one VDN, one skill group, one supervisor, and two agents shown in the table below. TASKE Contact requested monitoring on the VDN, skill group, and agent telephone extensions.

Device Type	Extension
VDN	56001
Skill Group	56300
Supervisor Telephone	56103
Agent IDs	1001, 1004
Agent Telephone	56104, 56204

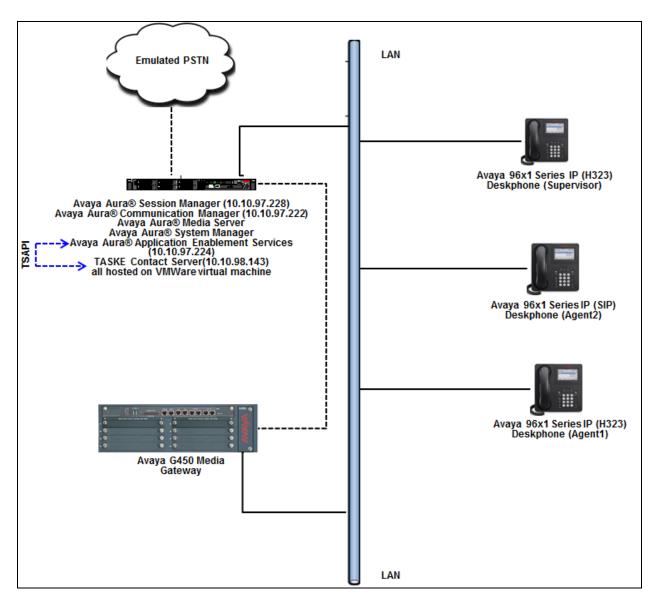


Figure 1: Avaya Network with TASKE Contact Server

4. Equipment and Software Validated

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

Equipment/Software	Release/Version
Avaya Aura® Communication Manager running on virtualized environment	7.1.0.0.532
Avaya Aura® Application Enablement Services running on virtualized environment	7.1.0.0.0.17-0
Avaya Aura® Session Manager running on virtualized environment	7.1.0.0.710028
Avaya Aura® System Manager	7.1.0.0.1125193
Avaya Aura® Media Server	7.8.0.312
Avaya G450 Media Gateway	38.18.0 /1
Avaya 96x1 Series IP Telephone	
• 9611G (H.323)	6.6401
• 9641GS (SIP)	7.0.1.2.9
TASKE Contact on	2017
Windows 2008 R2 Standard Server with Service	
Pack 1	
Avaya TSAPI Windows Client	tsapi-client-win32-7.1.0-67.zip

5. Configure Avaya Aura® Communication Manager

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

- Verify Communication Manager License
- Administer CTI link

5.1. Verify Communication Manager License

Log in to 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 **Computer Telephony Adjunct Links** customer option is set to "y" on **Page 4**. If this option is not set to "y", then contact the Avaya sales team or business partner for a proper license file.

```
display system-parameters customer-options
                                                                     4 of 12
                                                               Page
                               OPTIONAL FEATURES
                                         Audible Message Waiting? y
Authorization Codes? v
   Abbreviated Dialing Enhanced List? y
       Access Security Gateway (ASG)? y
       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? y
                ARS/AAR Partitioning? y Cvg Of Calls Redirected Off-net? y
         ARS/AAR Dialing without FAC? n
                                                            DCS (Basic)? y
                                                      DCS Call Coverage? y
         ASAI Link Core Capabilities? y
         ASAI Link Plus Capabilities? y
                                                     DCS with Rerouting? y
      Async. Transfer Mode (ATM) PNC? n
 Async. Transfer Mode (ATM) Trunking? n Digital Loss Plan Modification? y
                                                             DS1 MSP? y
             ATM WAN Spare Processor? n
                                ATMS? v
                                                   DS1 Echo Cancellation? y
                 Attendant Vectoring? y
```

5.2. Administer CTI Link

Add a CTI link using the "add cti-link n" command, where "n" is an available CTI link number. Enter an available extension number in the **Extension** field. Note that the CTI link number and extension number may vary. 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		Page	1 of	3
	CTI LINK			
CTI Link: 1				
Extension: 56000				
Type: ADJ-IP				
				COR: 1
Name: DevvmAES				

6. Configure Avaya Aura® Application Enablement Services

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

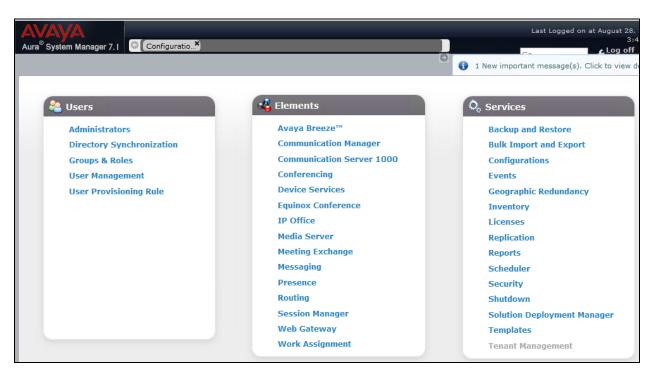
- Verify TSAPI license
- Launch OAM interface
- Administer TSAPI link
- Enable security database
- Restart TSAPI service
- Administer security database
- Obtain Tlink name
- Administer TASKE user

6.1. Verify TSAPI License

Access the Web License Manager interface by using the URL "https://ip-address/WebLM/ index.jsp" in an Internet browser window, where "ip-address" is the IP address of the server hosting the Web License Manager. During compliance testing, the Web License Manager was part of Avaya Aura® System Manager (System Manager).

The Login screen of System Manager is displayed. Log in using the appropriate credentials.

Recommended access to System Manager is via FQDN.	^		
<u>Go to central login for Single Sign-On</u>		User ID:	
If IP address access is your only option, then note that authentication will fail in the following cases:		Password:	
First time login with "admin" account Expired/Reset passwords		Log On Cancel	
Use the "Change Password" hyperlink on this page to change the password manually, and then login.			Change Password
Also note that single sign-on between servers in the same security domain is not supported when accessing via IP address.		• Supported Browsers: Internet Explorer 11.x or Firefox 4	48.0, 49.0 and 50.0.



From the System Manager dashboard, select the service Licenses under the Services column.

The Licenses screen below is displayed next. Select Licensed Products \rightarrow APPL_ENAB \rightarrow Application_Enablement in the left pane, to display the Licensed Features screen in the right pane.

Verify that there are sufficient licenses for **TSAPI Simultaneous Users**, as shown below.

AVAVA Aura [®] System Manager 7, 1			
Home Licenses X		1 New importar	nt message(s). Click to
WebLM Home	Application Enablement (CTI) - Rele	ease: 7 - SID: 1	
Install license	You are here: Licensed Products > Application	n Enablement > Vie	w License Capacity
Licensed products	······		,
APPL_ENAB	License installed on: May 19, 2017 8:11	1:40 PM +00:00	
- Application_Enablement			
View license capacity	License File Host IDs:		
View peak usage			
CCTR	Licensed Features		
ContactCenter			
CE	10 Items 🍣 Show All 🗸		
► COLLABORATION_ENVIRONMENT	Feature (License Keyword)	Expiration date	Licensed capacity
COMMUNICATION_MANAGER	Unified CC API Desktop Edition	permanent	1000
►Call_Center	VALUE_AES_AEC_UNIFIED_CC_DESKTOP		
Communication_Manager	VALUE_AES_CVLAN_ASAI	permanent	16
Configure Centralized Licensing	Device Media and Call Control	permanent	1000
MESSAGING	VALUE_AES_DMCC_DMC	permanent	
▶Messaging	AES ADVANCED SMALL SWITCH VALUE_AES_AEC_SMALL_ADVANCED	permanent	3
MSR	DLG	permanent	16
►Media_Server	VALUE_AES_DLG	permanent	10
SYSTEM_MANAGER	TSAPI Simultaneous Users VALUE_AES_TSAPI_USERS	permanent	1000

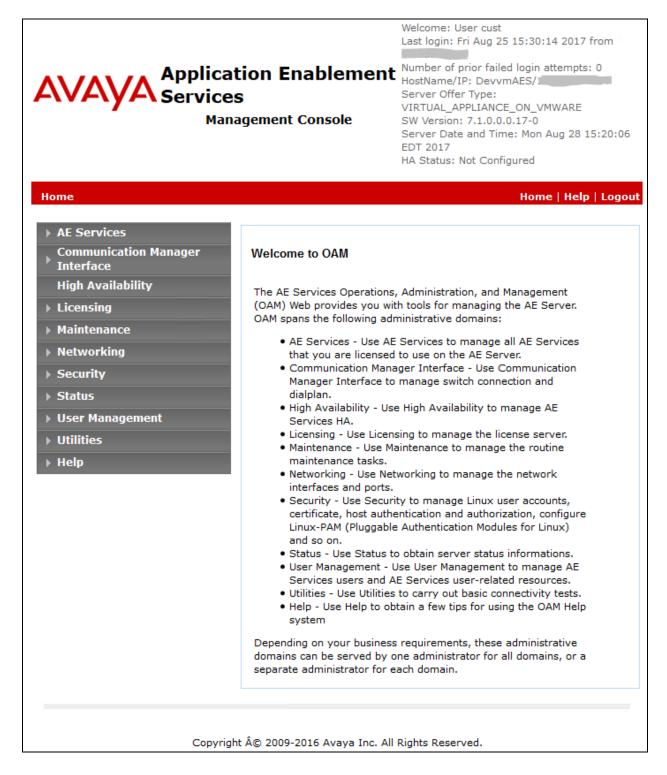
6.2. Launch OAM Interface

Access the OAM web-based interface by using the URL "https://ip-address" in an Internet browser window, where "ip-address" is the IP address of the Application Enablement Services server.

The Please login here screen is displayed. Log in using the appropriate credentials.

AVAYA	Application Enablement Services Management Console
	Please login here: Username Continue
	Copyright © 2009-2016 Avaya Inc. All Rights Reserved.

The Welcome to OAM screen is displayed next.



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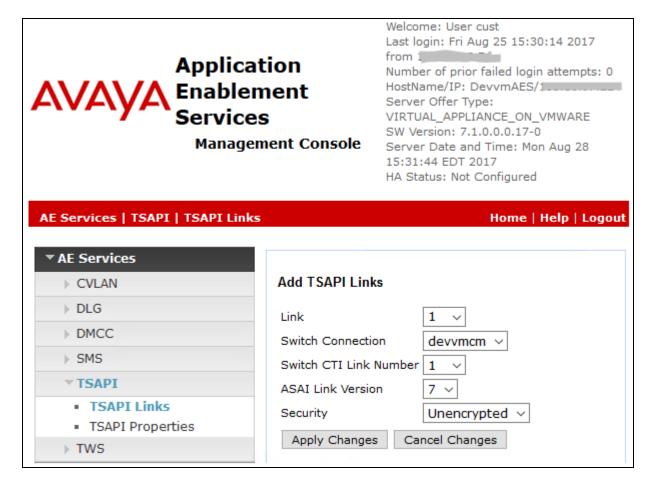
6.3. Administer TSAPI Link

To administer a TSAPI link, select **AE Services** \rightarrow **TSAPI** \rightarrow **TSAPI Links** from the left pane. The **TSAPI Links** screen is displayed, as shown below. Click **Add Link**.

AVAYA Applica Enabler Manag	tion ment Services gement Console	Number of pr HostName/IP Server Offer VIRTUAL_APP SW Version:	Aug 25 15:30: ior failed login : DevvmAES/11 Type: PLIANCE_ON_V 7.1.0.0.0.17-0 and Time: Mon 5 2017	attempts: 0 MWARE
AE Services TSAPI TSAPI Link	5		Home	Help Logout
▶ CVLAN	TSAPI Links			
DLG DMCC	Link Switch Connection	Switch CTI Link #	ASAI Link Version	Security
▶ SMS				
TSAPI				
TSAPI LinksTSAPI Properties	Add Link Edit Lin	k Delete Lin	k	
▶ TWS				

The Add TSAPI Links screen is displayed next.

The **Link** field is only local to the Application Enablement Services server, and may be set to any available number. For **Switch Connection**, select the relevant switch connection from the drop-down list. In this case, the existing switch connection "devvmcm" is selected. For **Switch CTI Link Number**, select the CTI link number from **Section 5.2**. Retain the default values in the remaining fields.



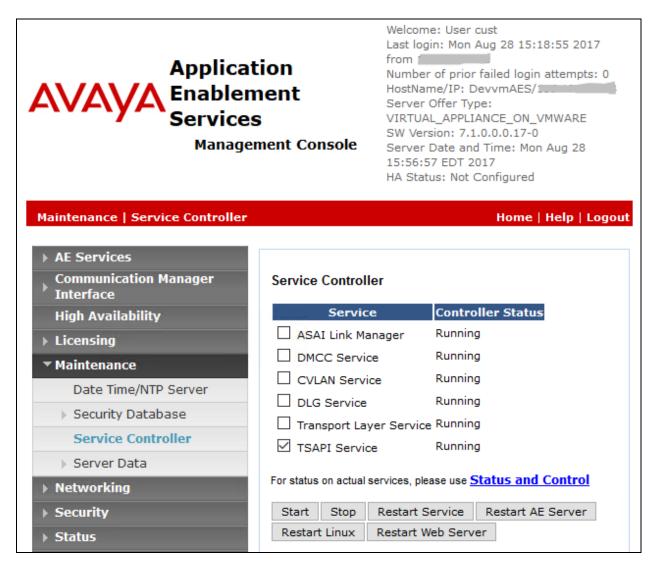
6.4. Enable Security Database

Enable the security database for use by TASKE Contact. Select Security \rightarrow Security Database \rightarrow Control from the left pane, to display the SDB Control for DMCC, TSAPI, JTAPI and Telephony Web Services screen in the right pane. Check Enable SDB TSAPI Service, JTAPI and Telephony Service.



6.5. Restart TSAPI Service

Select Maintenance \rightarrow Service Controller from the left pane, to display the Service Controller screen in the right pane. Check the TSAPI Service, and click Restart Service.



6.6. Administer Security Database

All devices that are monitored by TASKE Contact need to be configured in the security database. Select **Security** \rightarrow **Security Database** \rightarrow **Devices**, and add a device for each VDN, skill group, and agent telephone extensions from Section 3.

In the subsequent Add / Edit Device screen (not shown), select the appropriate Device Type, and select "Any" for Tlink Group.

A listing of the configured devices used for the compliance testing is shown below. Note the **Tlink Group** and **Device Type** settings.

AVAYA Applicat Enabler Mana		Service	Last login Number of HostName Server O VIRTUAL SW Versid Server D EDT 2017	User cust Mon Aug 28 15:18:5 f prior failed login atta /IP: DevvmAES/ fer Type: APPLIANCE_ON_VMW on: 7.1.0.0.0.17-0 ate and Time: Mon Au Not Configured	empts: 0 /ARE
Security Security Database De	vices			Home	Help Logout
 AE Services Communication Manager Interface High Availability Licensing 	Devic	c es bad devices	from file Browse	No file selected.	Upload
▶ Maintenance			Add De	vice	
▶ Networking		Device ID	Tlink Group	Device Type	Location
▼ Security		56001	Any	VDN	
Account Management		56104	Any	PHONE	
▶ Audit		56204	Any	PHONE	
Certificate Management		56300	Any	ACD	
Enterprise Directory		t Device D	elete Device(s)		
▶ Host AA			elete Device(s)		
▶ PAM	0-4 o	f 4			
Security Database	1		Go		
Control					
CTI Users					
Devices					

6.7. Obtain Tlink Name

Select Security \rightarrow Security Database \rightarrow Tlinks from the left pane. The Tlinks screen shows a listing of the Tlink names. A new Tlink name is automatically generated for the TSAPI service. Locate the Tlink name associated with the relevant switch connection, which would use the name of the switch connection as part of the Tlink name. Make a note of the associated Tlink name, to be used later for configuring TASKE.

In this case, the associated Tlink name is "AVAYA#DEVVMCM#CSTA#DEVVMAES". Note the use of the switch connection "devvmcm" from Section 6.3 as part of the Tlink name.

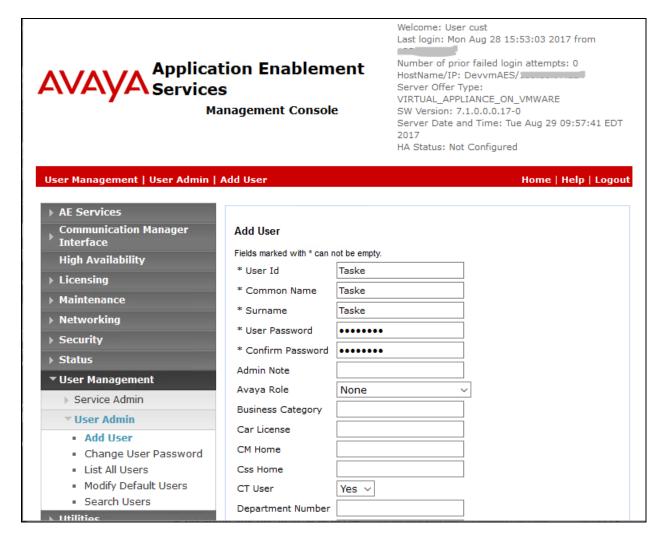


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6.8. Administer TASKE User

Select User Management \rightarrow User Admin \rightarrow Add User from the left pane, to display the Add User screen in the right pane.

Enter desired values for User Id, Common Name, Surname, User Password, and Confirm Password. For CT User, select "Yes" from the drop-down list. Retain the default values in the remaining fields.



Select Security \rightarrow Security Database \rightarrow CTI Users \rightarrow List All Users from the left pane, and select the newly created TASKE user from the listing (not shown).

The Edit CTI User screen is displayed next. Set the permissions as shown below.

Applicat AVAYA Enablen Services Manage	Welcome: User cust Last login: Mon Aug 28 15:53:03 2017 from Number of prior failed login attempts: 0 HostName/IP: DevvmAES/1 Server Offer Type: VIRTUAL_APPLIANCE_ON_VMWARE SW Version: 7.1.0.0.0.17-0 Server Date and Time: Tue Aug 29 10:00:09 EDT 2017 HA Status: Not Configured		
Security Security Database CTI AE Services Communication Manager	Users List All Us Edit CTI User	ers	Home Help Logout
 Interface High Availability Licensing 	User Profile:	User ID Common Name	Taske Taske
 Maintenance Networking 		Worktop Name Unrestricted Access	NONE ~
 Security Account Management 	Call and Device Control:	Call Origination/Terminatio and Device Status	n Any ~
 Audit Certificate Management 	Call and Device Monitoring:	Device Monitoring	Any ~
Enterprise Directory Host AA PAM		Calls On A Device Monitoring Call Monitoring	Any ~
Security Database Control	Routing Control:	Allow Routing on Listed Devices	Any ~
CTI UsersList All Users	Apply Changes	Cancel Changes	

7. Configure TASKE Contact

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

- Administer TASKE Database Update Wizard
- Administer TASKE Collector
- Administer extensions
- Administer agents
- Administer agent groups
- Administer queues
- Administer supervisors
- Restart components

7.1. Administer TASKE Database Update Wizard

At the conclusion of the TASKE Contact installation, the TASKE Database Update Wizard is invoked automatically and displays the **Welcome to the TASKE Database Update Wizard** screen shown below.

TASKE Database	e Update Wizard 🛛 🔀
	Welcome to the TASKE Database Update Wizard.
TECHNOLOGY	This program will automatically collect information about the configuration of your telephone system and use it to populate the TASKE Database. The TASKE Database is used by various TASKE programs to produce reports about the activity of your telephone system.
	< Back. Next > Cancel

Navigate forward to the **Import Communication Manager Information** screen. If Avaya Site Administration is used to obtain the configured contact center devices from Communication Manager, then the path to where the data files reside can be entered in **Folder**.

In the compliance testing, the manual method was used to configure the contact center devices on TASKE, therefore all default values were retained on the TASKE Database Update Wizard.

TASKE Database	e Update Wizard		×
	Import Communication Manager Information	on.	
TASKE	Select the folder which contains the data files exp Avaya Site Administration utility. Folder: Click Import to collect updated information.	borted from the Browse	
,			
		< Back Next > Cancel	

7.2. Administer TASKE Collector

After completing the TASKE Database Update Wizard, the **TASKE Collector** screen is displayed. For **Tlink name**, select the Tlink name from **Section 6.7**.

For User name and Password, enter the TASKE user credentials from Section 6.8. Check Remember password if desired.

TASKE Information Server	_ 🗆 🗙
File Configure Help	
Clients CTI License Summary General	
The TASKE Collector connects to the Avaya Aura Application Enablement Services TSAPI Service to monitor telephone system activity. The connection is made through a Tlink, which represents a specific service.	
Primary Tlink: AVAYA#DEVVMCM#CSTA#DEVVMAES	
Secondary Tlink:	
The Application Enablement Services can be configured to use a Security Database to control access. The connection requires a CTI User which must exist in the Security Database and must have permission to monitor all devices.	nis
Connect to the Application Enablement Services as:	
User name: Taske Password: *****	
Remember password	
ОК	

The **TASKE Console** screen is displayed next. Select **Tools** \rightarrow **Administrator** from the top menu.

Component	Status	Startup	Category
TASKE Collector	Started	Automatic	TASKE Contact
Marke Information Server	Started	Automatic	TASKE Contact
🗃 TASKE Upgrade Server	Started	Automatic	TASKE Contact
<u> T</u> ASKE Add-On Server	Started	Automatic	TASKE Add-On
街 TASKE Integration Server	Started	Manual	TASKE Add-On
街 TASKE Widget Server	Started	Automatic	TASKE Web
街 TASKE Web Server	Started	Automatic	TASKE Web
🗑 World Wide Web Publishing	Started	Automatic	Microsoft IIS

7.3. Administer Extensions

The **TASKE Administrator** screen is displayed. Select **Extensions** from the left pane, followed by **New** in the right pane to create an extension record.

In the lower right pane, enter the first agent telephone extension from **Section 3** in the **ID** field. Enter a desired **Name**. For **Extension Type**, select "Normal" for agent telephone extensions and "VDN" for VDN extensions.

🚰 TASKE Administrator		_ 🗆 🗵
File View Tools Help		
	List Of Extensions (Total = 0)	_
	ID Name Nickname Extension Type	
Trunks		
Trunk Groups		
Extensions		
Extension Groups		
Agents		
Agent Groups		
Queues		
Queue Groups		
DNIS		
DNIS Groups		
Spectrums	Extension Record Details: New Durlicate Lodate	
Report Options	Extension Record Details: New Duplicate Update	Delete
Range	ID 56104 Name x56104 Nickname	
Users	Is a Member Of:	
	ID Name Nickname Extension Type Normal	-
	GoTo	
	•	

Repeat this procedure for all agent telephone and VDN extensions from **Section 3**. In the compliance testing, three extension records were created as shown below.

🚰 TASKE Administrator			_ 🗆 🗵
File View Tools Help			
	List Of Extensions (Tot	al = 3)	^
	ID Name Nicknam	ne Extension Type	
	56001 v56001	VDN	
	56104 x56104	Normal	
Trunks	56204 x56204	Normal	
Trunk Groups			
Extensions			

7.4. Administer Agents

Select **Agents** from the left pane, followed by **New** in the right pane to create an agent record.

In the lower right pane, enter the first agent ID from **Section 3** in the **ID** field. Enter a desired **Name**.

🚰 TASKE Administrator	
File View Tools Help	
	List Of Agents (Total = 0)
9	ID Name Nickname
Trunks	
Trunk Groups	
Extensions	
Extension Groups	
Agents	
Agent Groups	
Queues	
Queue Groups	
DNIS	
DNIS Groups	
Spectrums	Agent Record Details: New Duplicate Update Delete
Report Options	
Range	ID 1001 Name Agent 1001 Nickname
Users	Is a Member of:
	ID Name Nickname
	Go To

Solution & Interoperability Test Lab Application Notes ©2017 Avaya Inc. All Rights Reserved. 25 of 36 TASKE-CM_AES-71 Repeat this procedure for all agent IDs from **Section 3**. In the compliance testing, two agent records were created as shown below.

TASKE Administrator		_ 🗆 🗵
File View Tools Help		
	List Of Agents (Total = 2)	-
	ID Name Nickname	
	1001 Agent 1001	
	1004 Agent 1004	
Trunks		
Trunk Groups		
Extensions		
Extension Groups		
Agents		

7.5. Administer Agent Groups

Select **Agent Groups** from the left pane, followed by **New** in the right pane to create an agent group record.

In the lower right pane, enter the first skill group extension from **Section 3** in the **ID** field. Enter a desired **Name**. Under **Available Agents**, select all agents and click the **Add All** button to move under **Agent Members**.

TASKE Administrator		
File View Tools Help		
	List Of Agent Groups (Total = 0)	
	ID Name Nickname	
Trunks		
Trunk Groups		
Extensions		
Extension Groups		
Agents		
Agent Groups		
Queues		
Queue Groups		
DNIS		
DNIS Groups		
Spectrums	Agent Group Record Details:	New Duplicate Update Delete
Report Options		New Dupicate Opuate Delete
Range	ID 56300 Name Group 56300	Nickname
Users	Available Agents	Agent Members
	ID Name Nickname	ID Name
	1001 Agent 1001	Add All
	1004 Agent 1004	Add
		Remove
		Remove All
		T
		Go To

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🗃 TASKE Administrator	
File View Tools Help	
	List Of Agent Groups (Total = 1) ID Name 56300 Group 56300
Trunks	
Trunk Groups	
Extensions	
Extension Groups	
Agents	
Agent Groups	
Queues	
Queue Groups	
DNIS	
DNIS Groups	
Spectrums	Agent Group Record Details: New Duplicate Update Delete
Report Options	
Range	ID 56300 Name Group 56300 Nickname
Users	Available Agent Members
	ID Name Nickname ID Name
	Add All 1001 Agent 1001 Add 1004 Agent 1004 Add Remove Remove All
	Image: Control in the second

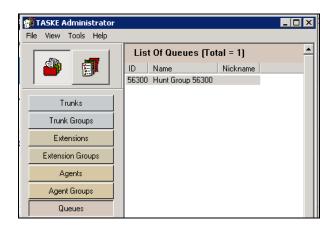
7.6. Administer Queues

Select **Queues** from the left pane, followed by **New** in the right pane to create a queue record.

In the lower right pane, enter the first skill group extension from **Section 3** in the **ID** field. Enter a desired **Name**. For **Agent Group**, select the appropriate agent group ID from **Section 7.5**.

File View Tools Help		×
		-
	ID Name Nickname	
Trunks		
Trunk Groups		
Extensions		
Extension Groups		
Agents		
Agent Groups		
Queues		
Queue Groups		
DNIS		
DNIS Groups		
Spectrums	Queue Record Details: New Duplicate Undate Datate	
Report Options	Queue Record Details: New Duplicate Update Delete	
Range	ID 56300 Name Hunt Group 56300 Nickname TSF Time 30	
Users	Is a Member Of:	
	ID Name Nickname ✓ Interflow Diverted Calls	
	Agent Group	
	Go To	

Repeat this procedure for all skill groups from **Section 3**. In the compliance testing, one queue record was created.



7.7. Administer Supervisors

Select Users from the left pane, followed by New in the right pane to create a user record.

In the lower right pane, enter the desired **User name**, **Full name**, **Password**, and **Confirm password**. For **Type**, select "Supervisor" from the drop-down list.

🚰 TASKE Administrator		
File View Tools Help		
	List of Users (Total = <mark>0</mark>)	
	ID Name Nickname Type	
Trunks		
Trunk Groups		
Extensions		
Extension Groups		
Agents		
Agent Groups		
Queues		
Queue Groups		
DNIS		
DNIS Groups		
Spectrums	User Record Details:	New Duplicate Update Delete
Report Options		
Range	User name avaya	Iype Supervisor
Users	Full name Avaya	Agent ID Browse
	Password	Extension Browse
	Confirm password	Permissions Select the access you want to grant this user.
	Passwords must be a minimum of 6 characters, are case sensitive, and may contain any combination of alphanumeric	
	characters, spaces, and punctuation. Leading and trailing spaces are stripped from the entered password.	Restrict user's resource access
	spaces are supped from the entered password.	Besource Permissions
	And Andrewicz Turner	Allow user to access Administrator
	Application Types	ortal DisplayCentral Designer
	🗖 With Advanced Options 🗖 With	Enterprise
	With Agent Skill Management	

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TASKE Administrator	
File View Tools Help	
	List of Users (Total = 1) ID Name Nickname Type avaya Avaya Supervisor
Trunks Trunk Groups	
Extensions	
Extension Groups	
Agents	
Agent Groups	
Queues	
Queue Groups	
DNIS	
DNIS Groups	
Spectrums	User Record Details:
Report Options	
Range	User name
Users	Full name

Select File \rightarrow Exit from the top menu to close the TASKE Administrator screen.

7.8. Restart Components

The TASKE Console screen is displayed next. Restart all components by selecting Action \rightarrow Stop All TASKE Servers from the top menu, followed by Action \rightarrow Start All TASKE Servers.

👲 TASKE Console	🕸 TASKE Console 💦 💈 👌					
File Action View Tools Help						
📽 😰 🕨 = 🍽 🗮 🗊						
Component	Status	Startup	Category			
TASKE Collector	Started	Automatic	TASKE Contact			
TASKE Information Server	Started	Automatic	TASKE Contact			
🛛 🏄 TASKE Upgrade Server	Started	Automatic	TASKE Contact			
🖄 TASKE Add-On Server	Started	Automatic	TASKE Add-On			
🛃 TASKE Integration Server	Started	Manual	TASKE Add-On			
🛃 TASKE Widget Server	Started	Automatic	TASKE Web			
🛃 TASKE Web Server	Started	Automatic	TASKE Web			
🛛 🍕 World Wide Web Publishing	Started	Automatic	Microsoft IIS			

8. Verification Steps

This section provides the tests that can be performed to verify proper configuration of Avaya Aura® Communication Manager, Avaya Aura® Application Enablement Services, and TASKE Contact.

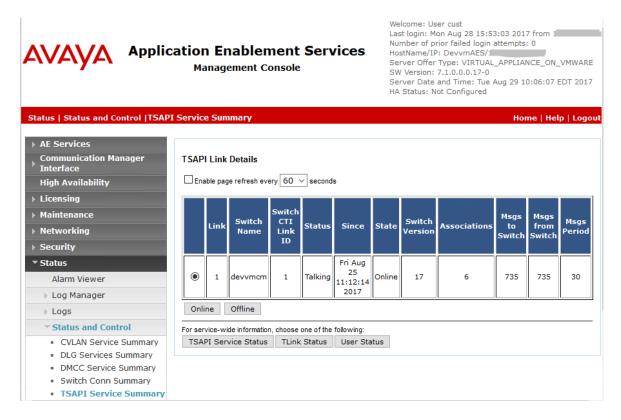
8.1. Verify Avaya Aura® Communication Manager

On Communication Manager, verify the status of the administered CTI link by using the "status aesvcs cti-link" command. Verify that the **Service State** is "established" for the CTI link number administered in **Section 5.2**, as shown below.

statu	status aesvcs cti-link						
			AE SERVICES	CTI LINK STAT	TUS		
CTI Link	Version	Mnt Busy	AE Services Server	Service State	Msgs Sent	Msgs Rcvd	
1	5	no	DevvmAES	established	1083	1083	

8.2. Verify Avaya Aura® Application Enablement Services

On Application Enablement Services, verify the status of the TSAPI link by selecting Status \rightarrow Status and Control \rightarrow TSAPI Service Summary from the left pane. The TSAPI Link Details screen is displayed. Verify the Status is "Talking" for the TSAPI link administered in Section 6.3, as shown below.



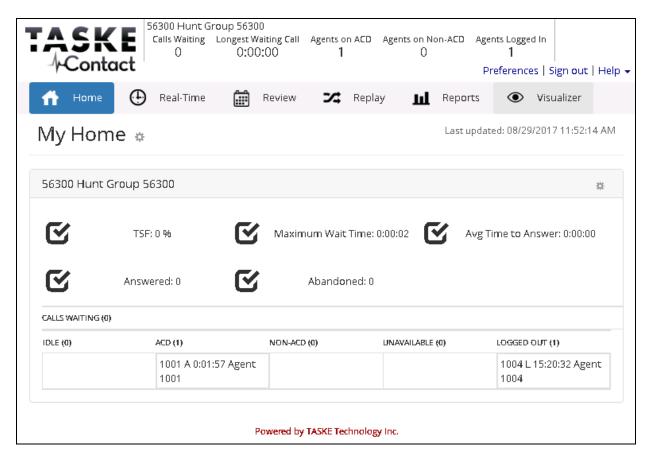
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8.3. Verify TASKE Contact

Access the supervisor web-based interface by using the URL "http://ip-address/taske/login.htm" in an Internet browser window, where "ip-address" is the IP address of TASKE Contact server. The **Sign In** screen is displayed. Log in using the appropriate credentials from **Section 7.7**.

	Troubleshoot
ASKE Contact	
Sign In	
Welcome back!	
Please enter your user name and password. User name	
avaya	
Password	
•••••	
	Sign In
Powered by TASKE Technology Inc.	
Copyright ©2001-2017 TASKE Technology Inc. All rights reserved	

The **My Home** screen is displayed next. Log an agent in and answer an ACD call. Verify that the screen is automatically updated with the proper status, as shown below.



9. Conclusion

These Application Notes describe the configuration steps required for TASKE Contact to successfully interoperate with Avaya Aura® Communication Manager using Avaya Aura® Application Enablement Services. All feature and serviceability test cases were completed with observations if any noted in **Section 2.2**.

10. Additional References

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

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

- 1. Administering Avaya Aura® Session Manager, Release 7.1, Issue 1 May 2017
- 2. Deploying Avaya Aura® System Manager, Release 7.1, Issue 1 May 2017
- 3. Administering Avaya Aura® System Manager for Release 7.1, Release 7.1, Issue 2 May 2017
- 4. Avaya Aura® Communication Manager Feature Description and Implementation, Release 7.1, Issue 1 May 2017
- 5. Deploying Avaya Aura® Application Enablement Services in Virtualized Environment, Release 7.1, Issue 1 May 2017
- 6. Administering and Maintaining Avaya Aura® Application Enablement Services, Release 7.1, Issue 1 May 2017

Product documentation for TASKE Contact may be found at <u>http://www.taske.com/support/documentation.php</u>.

- 1. TASKE Installation Guide for Avaya Aura® Communication Manager with Aura® Application Enablement Services.
- 2. Administration Guide for TASKE Contact for Avaya Aura® Communication Manager with Aura® Application Enablement Services.
- 3. TASKE Contact Web Portal Report Reference Guide for Avaya Aura® Communication Manager with Aura® Application Enablement Services.
- 4. TASKE Contact Web Portal User Guide for Avaya Aura® Communication Manager with Aura® Application Enablement Services.

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