

Avaya Solution & Interoperability Test Lab

Application Notes for Pegasystems Chordiant Foundation Server with Avaya Aura® Communication Manager Using Avaya Aura® Application Enablement Services – Issue 1.0

Abstract

These Application Notes describe the configuration steps required for Pegasystems Chordiant Foundation Server to interoperate with Avaya Aura® Communication Manager and Avaya Aura® Application Enablement Services. Pegasystems Chordiant Foundation Server is a customer data and processes management solution.

In the compliance testing, Pegasystems Chordiant Foundation Server used the Java Telephony Application Programming Interface from Avaya Aura® Application Enablement Services to monitor contact center devices on Avaya Aura® Communication Manager, and provide screen pops and call control via a thin client web-based agent application.

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 Pegasystems Chordiant Foundation Server to interoperate with Avaya Aura® Communication Manager and Avaya Aura® Application Enablement Services. Pegasystems Chordiant Foundation Server is a customer data and processes management solution.

In the compliance testing, Pegasystems Chordiant Foundation Server used the Java Telephony Application Programming Interface (JTAPI) from Avaya Aura® Application Enablement Services to monitor contact center devices on Avaya Aura® Communication Manager, and provide screen pops and call control via a thin client web-based agent application.

JTAPI is a client-side interface to the Telephony Services Application Programmer Interface (TSAPI) on Avaya Aura® Application Enablement Services. As such, these Application Notes will describe the required configurations for creation and connectivity to the TSAPI service.

The compliance test covered the default out-of-the-box Chordiant Unified Desktop, which is a thin client web-based agent application provided by Pegasystems Chordiant Foundation Server. Note that any customized application developed using Pegasystems Chordiant Foundation Server will require separate compliance test.

2. General Test Approach and Test Results

The feature test cases were performed manually. Incoming calls were placed to the VDNs with available agents running Chordiant Unified Desktop. Manual call controls from the application were exercised to verify proper call handling such as transfer and conference.

The serviceability test cases were performed manually by disconnecting/reconnecting the Ethernet cables to Chordiant Foundation Server and to Chordiant Unified Desktop.

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 feature and serviceability testing.

The feature testing focused on verifying the following on Chordiant Foundation Server:

- Handling of JTAPI/TSAPI messages in the areas of event notifications, value queries, and set agent states.
- Use of JTAPI/TSAPI call control services to support call control actions such as answer and transfer from the agent desktops.
- Proper handling of call scenarios involving inbound, outbound, ACD, non-ACD, drop, transfer, conference, and multiple agents.

The serviceability testing focused on verifying the ability of the Chordiant Foundation Server to recover from adverse conditions, such as disconnecting/reconnecting the Ethernet cables to Chordiant Foundation Server and to Chordiant Unified Desktop.

2.2. Test Results

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

- After dropping from a conference call, the information pertaining to the previous call such as calling and called number may not clear on the agent screen until delivery of the next call, and the timer and customer information may not clear until the end of the next call.
- The application does not support call control actions from the hard phone.
- After the agent transfers an outbound call, the next outbound call can be initiated but will not be reflected on the data screen.
- A separate JTAPI/TSAPI session is established for each agent.
- Negative responses from agent log in attempts, such as agent already logged in and invalid credentials are not reflected on the data screen.
- A TSAPI user credential containing the semicolon character is not supported.
- After a link disruption, agents will receive a pop-up error when trying to use the desktop to control calls established prior to link recovery, and will need to perform a manual recovery. The recovery steps are for the agents to exit from the Chordiant Unified Desktop application manually, use the telephone to log out of the ACD, and to re-launch Chordiant Unified Desktop.

2.3. Support

Technical support on Chordiant Foundation Server can be obtained through the following:

- **Phone:** (617) 374-9600
- Email: support@chordiant.com
- Web: <u>https://mesh.pega.com</u>

3. Reference Configuration

Chordiant Foundation Server can be configured on a single server or with components distributed across multiple servers. The compliance test configuration used a single server configuration.

The detailed administration of basic connectivity between Communication Manager and 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, Chordiant Foundation Server monitored the supervisor and agent station extensions shown in the table below.

Device Type	Extension
VDN	62005, 62006
Skill Group	65555, 65556
Agent Station	65001, 65002
Supervisor Station	65003
Agent ID	65881, 65882, 65883

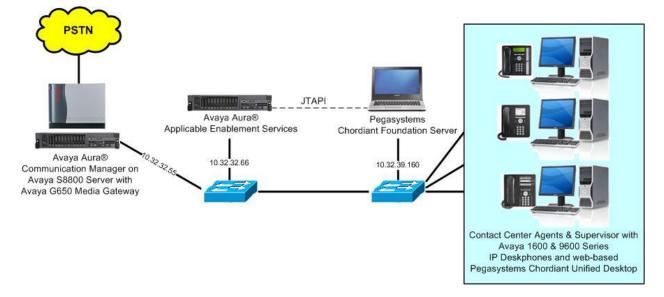


Figure 1: Compliance Testing Configuration

4. Equipment and Software Validated

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

Equipment	Software
Avaya Aura® Communication Manager on Avaya S8800 Server	6.0.1 SP8 (R016x.00.1.510.1-19736)
 Avaya G650 Media Gateway TN799DP C-LAN Circuit Pack TN2302AP IP Media Processor 	HW01 FW040 HW12 FW121
Avaya Aura® Application Enablement Services	6.1.2
Avaya 1616 IP Deskphone (H.323)	1.3028
Avaya 9611G IP Deskphone (H.323)	6.020S
Avaya 9650 IP Deskphone (H.323)	3.1000
 Pegasystems Chordiant Foundation Server on Windows 7 Enterprise Avaya JTAPI Client (ecsjtapia.jar) BEA WebLogic Oracle 	6.7.0 2009 SP1 5.2.0.483 10.3.5 11gR2
Pegasystems Chordiant Unified Desktop	6.7.0

5. Configure Avaya Aura® Communication Manager

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

- Verify license
- Administer CTI link
- Administer system parameters features
- Obtain agent ID passwords

5.1. Verify 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 3**. 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
                                                                     3 of 11
                                                              Page
                               OPTIONAL FEATURES
   Abbreviated Dialing Enhanced List? y
                                                Audible Message Waiting? y
       Access Security Gateway (ASG)? n
                                                Authorization Codes? 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? y
                                                             DCS (Basic)? y
         ASAI Link Core Capabilities? n
                                                      DCS Call Coverage? y
         ASAI Link Plus Capabilities? n
                                                      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? y
                                                   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: 60100
Type: ADJ-IP
COR: 1
Name: TSAPI Link
```

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5.3. Administer System Parameters Features

Use the "change system-parameters features" command to enable **Create Universal Call ID** (UCID), which is located on **Page 5**. For UCID Network Node ID, enter an available node ID.

```
change system-parameters features
                                                             Page
                                                                    5 of 19
                      FEATURE-RELATED SYSTEM PARAMETERS
SYSTEM PRINTER PARAMETERS
 Endpoint: Lines Per Page: 60
SYSTEM-WIDE PARAMETERS
                                   Switch Name: S8500-SAL
           Emergency Extension Forwarding (min): 10
         Enable Inter-Gateway Alternate Routing? n
Enable Dial Plan Transparency in Survivable Mode? n
                            COR to Use for DPT: station
MALICIOUS CALL TRACE PARAMETERS
        Apply MCT Warning Tone? n MCT Voice Recorder Trunk Group:
     Delay Sending RELease (seconds): 0
SEND ALL CALLS OPTIONS
    Send All Calls Applies to: station Auto Inspect on Send All Calls? n
             Preserve previous AUX Work button states after deactivation? n
UNIVERSAL CALL ID
    Create Universal Call ID (UCID)? y
                                         UCID Network Node ID: 1
```

5.4. Obtain Agent ID Passwords

Use the "display agent-loginID n" command, where "n" is the first agent ID extension from **Section 3**. Make a note of the value in the **Password** field, which will be used later to configure Chordiant Foundation Server.

Repeat this section to obtain the agent ID password for all agent ID extensions in Section 3.

```
display agent-loginID 65881
                                                               Page 1 of
                                                                            3
                                AGENT LOGINID
               Login ID: 65881
                                                                AAS? n
                   Name: VPI Agent 65881
                                                              AUDIX? n
                                                     LWC Reception: spe
                     TN: 1
                                           LWC Log External Calls? n
                    COR: 1
          Coverage Path:
                                         AUDIX Name for Messaging:
          Security Code:
                                       LoginID for ISDN/SIP Display? n
                                                          Password: 65881
                                             Password (enter again): 65881
                                                       Auto Answer: none
                                                 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:
    WARNING: Agent must log in again before changes take effect
```

6. Configure Avaya Aura® Application Enablement Services

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

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

6.1. Verify License

Access the Web License Manager interface by using the URL "https://ip-address:52233/ WebLM/ index.jsp" in an Internet browser window, where "ip-address" is the IP address of the license server.

The Web License Manager screen is displayed. Log in using the appropriate credentials.

Αναγα	
Web License Manager (WebLM	l v4.6)
Logon	
User Name:	
Password:	

The Web License Manager screen below is displayed. 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.

AVAYA			Web License Manager (Web		
		-		O Logo	
Install License	Application Enablement (CTI) - Rele	ase: 6 - SII	D: 10503000 (Standard License File)		
Licensed Products APPL_ENAB Application_Enablement Uninstall License Change Password Server Properties	You are here: Licensed products > Application License installed on: Dec 6, 2011 5:02: <u>View Peak Usage</u> Licensed Features		STI)		
Manage Users	Licensed reatures				
Logout	Feature (Keyword)	Expiration Date	Licensed	Acquire	
	CVLAN ASAI (VALUE_AES_CVLAN_ASAI)	2012/12/06	16	0	
	Unified CC API Desktop Edition (VALUE_AES_AEC_UNIFIED_CC_DESKTOP)	2012/12/06	1000	0	
	AES ADVANCED SMALL SWITCH (VALUE_AES_AEC_SMALL_ADVANCED)	2012/12/06	3		
	CVLAN Proprietary Links (VALUE_AES_PROPRIETARY_LINKS)	2012/12/06	16	0	
	Product Notes (VALUE_NOTES)	2012/12/06	SmallServerTypes: s3300cjs6300djicc;premio;tn8400;laptop;CtiSmallServer MediumServerTypes: ibmx306;ibmx306m;dell1950;xen;hs20;hs20_8832_vm;CtiMediumServer LargeServerTypes: isp2100;ibmx305;dl3803;dl38551;dl38552;unknown;CtiLargeServer TrustedApplications: IPS_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; 1XP_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; 1XP_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; 1XP_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; 1XP_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; VP_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; VP_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; SSEC001; BasicUnrestricted, AdvancedUnrestricted, AdvancedUnrestricted, DMCUnrestricted; CSI_11_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; CSI_11_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; CSI_12_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; CSI_12_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; CMCUnrestricted; CT_ELITE_CALL_CTEN_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted, AdvancedUnrestricted, CMCUnrestricted, AdvancedUnrestricted, DMCUnrestricted; CMCUnrestricted, CT_ELITE_CALL_CTEN_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted, AdvancedUnrestricted, CMCUnrestricted, DMCUnrestricted, AdvancedUnrestricted, CMCUnrestricted, DMCUnrestricted, AdvancedUnrestricted, CMCUnrestricted, DMCUnrestricted, AdvancedUnrestricted, CMCUnrestricted, DMCUnrestricted, AdvancedUnrestricted, AdvancedUnrestricted, DMCUnrestricted, AgentEvents;	Not counted	
	AES ADVANCED LARGE SWITCH (VALUE_AES_AEC_LARGE_ADVANCED)	2012/12/06	3	0	
	TSAPI Simultaneous Users (VALUE_AES_TSAPI_USERS)	2012/12/06	1000	0	
	DLG (VALUE_AES_DLG)	2012/12/06	16	0	
	Device Media and Call Control (VALUE_AES_DMCC_DMC)	2012/12/06	1000	1	
	AES ADVANCED MEDIUM SWITCH (VALUE AES AEC MEDIUM ADVANCED)	2012/12/06	3	0	

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 Password Login		
	© Copyright © 2009-2010 Avaya Inc. All Rights Reserved.		

The Welcome to OAM screen is displayed next.

avaya	Appli	cation Enablement Services Management Console	Welcome: User Last login: Wed Aug 8 12:04:10 2012 from 10.32.39.20 HostName/IP: AES2-S8800/10.32.32.66 Server Offer Type: VIRTUAL_APPLIANCE SW Version: r6-1-2-32-0		
Home			Home Help Logout		
AE Services					
Communication Man ▶ Interface	nager	Welcome to OAM			
▶ Licensing					
Maintenance		 The AE Services Operations, Administration, and Management (OAM) Web provides you with tools for managing the AE Server. OAM spans the following administrative domains: AE Services - Use AE Services to manage all AE Services that you are licensed to use on the AE Server. Communication Manager Interface - Use Communication Manager Interface to manage switch connection and dialplan. Licensing - Use Xensing to manage the license server. Maintenance - Use Maintenance to manage the routine maintenance tasks. Networking - Use Networking to manage Linux user accounts, certificate, host authentication and authorization, configure Linux-PAM (Pluggable Authentication Modules for Linux) and so on. Status - Use Status to obtain server status informations. User Management to Use Viser Management to manage AE Services users and AE Services 			
▶ Networking					
▶ Security					
▶ Status					
▶ User Management					
 Utilities Help 					
y noip	and the second sec	 User Management - Use User Management to the user-related resources. Utilities - Use Utilities to carry out basic connecti Help - Use Help to obtain a few tips for using the 	vity tests.		
		Depending on your business requirements, these admir administrator for both domains, or a separate administ			

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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	Application Enablement Services Management Console	Welcome: User Last login: Wed Aug 8 12:04:10 2012 from 10.32.39.20 HostName/IP: AES2-S8800/10.32.32.66 Server Offer Type: VIRTUAL_APPLIANCE SW Version: r6-1-2-32-0
AE Services TSAPI	TSAPI Links	Home Help Logout
▼ AE Services		
▶ CVLAN	TSAPI Links	
▶ DLG	Link Switch Connection Swite	ch CTI Link # ASAI Link Version Security
> DMCC	Add Link Edit Link Delete Link	
> SMS		
TSAPI		
 TSAPI Links TSAPI Properties 	25	

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 "S8800" is selected. For Switch CTI Link Number, select the CTI link number from Section 5.2. Retain the default values in the remaining fields, and click Apply Changes.

AVAYA	Application Enablement Services Management Console	Welcome: User Last login: Wed Aug 8 12:04:10 2012 from 10.32.39.20 HostName/IP: AES2-S8800/10.32.32.66 Server Offer Type: VIRTUAL_APPLIANCE SW Version: r6-1-2-32-0
AE Services TSAPI	TSAPI Links	Home Help Logout
* AE Services		
▶ CVLAN	Add TSAPI Links	
▶ DLG	Link 1	
> DMCC	Switch Connection S8800 V	
▶ SMS	Switch CTI Link Number 1	
TSAPI	ASAI Link Version 4	
TSAPI Links	Security Unencrypted 😪	
 TSAPI Propertie 	S Apply Changes Cancel Changes	
> TWS		
Communication Man	ager	

6.4. Disable Security Database

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. Uncheck both fields below, and click Apply Changes.

AVAYA	Application Enablement Services Management Console	Welcome: User Last login: Wed Aug 8 12:04:10 2012 from 10.32.39.20 HostName/IP: AES2-S8800/10.32.32.66 Server Offer Type: VIRTUAL_APPLIANCE SW Version: r6-1-2-32-0
Security Security Da	tabase Control	Home Help Logout
> AE Services		
Communication Man	SDB Control for DMCC, TSAPI, JTAPI and Teleph	nony Web Services
▶ Licensing	Enable SDB for DMCC Service	
Maintenance	Enable SDB for TSAPI Service, JTAPI and Teleph	ony Web Services
Networking	Apply Changes	
▼ Security		
Account Manager	nent	
Audit		
› Certificate Manag	gement	
Enterprise Directo	ory	
▶ Host AA		
► PAM		
* Security Databa	se	
Control		

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.

AVAYA	Application Enablement Services Management Console	Welcome: User Last login: Wed Aug 8 12:04:10 2012 from 10.32.39.20 HostName/IP: AES2-S8800/10.32.32.66 Server Offer Type: VIRTUAL_APPLIANCE SW Version: r6-1-2-32-0
Maintenance Service C	ontroller	Home Help Logout
AE Services		
Communication Mana Interface	Service Controller	
Licensing	Service Controller Status	
▼ Maintenance	ASAI Link Manager Running	
Date Time/NTP Serv	er 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 Contr	ol
▶ Status	Start Stop Restart Service Restart AE Serve	er Restart Linux Restart Web Server

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6.6. 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 Chordiant Foundation Server.

In this case, the associated Tlink name is "AVAYA#**S8800#CSTA**#AES2-S8800". Note the use of the switch connection "S8800" from **Section 6.3** as part of the Tlink name.

avaya	Application Enablement Services Management Console	Welcome: User Last login: Wed Aug 8 12:04:10 2012 from 10.32.39.20 HostName/IP: AES2-58800/10.32.32.66 Server Offer Type: VIRTUAL_APPLIANCE SW Version: r6-1-2-32-0
Security Security Dat	abase Tlinks	Home Help Logout
AE Services Communication Man Interface Licensing	ager Tlinks	
 Maintenance Networking 	Tlink Name AVAYA#S8800#CSTA#AES2-S8800 Colors Ticlo	
 Security Account Managem 	Delete Tlink	
Audit		
Certificate Manage	ement	
Enterprise Directo	rγ	
▶ Host AA		
▶ PAM		
Security Databas	e	
 Control CTI Users Devices Device Groups Tlinks 		

6.7. Administer Chordiant User

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

Enter desired values for User Id, Common Name, Surname, User Password, and Confirm Password. For CT User, select "Yes" from the drop-down list. Retain the default value in the remaining fields. Click Apply at the bottom of the screen (not shown below).

	cation Enable Management	Welcome: User Last login: Wed Aug 8 12:04:10 2012 from 10.32.39.20 HostName/IP: AES2-S8800/10.32.32.66 Server Offer Type: VIRTUAL_APPLIANCE SW Version: r6-1-2-32-0		
User Management User Admin	Add User			Home Help Logout
AE Services				
Communication Manager Interface	Add User			
▶ Licensing	Fields marked with * can i	not be empty.		
▶ Maintenance	* User Id	chordiant		
Networking	* Common Name	chordiant		
	* Surname	chordiant		
► Security	* User Password		16	
▶ Status	* Confirm Password			
💌 User Management	Admin Note			
▹ Service Admin	Avaya Role	None	~	
TUser Admin	Business Category			
 Add User Change User Password List All Users Modify Default Users Search Users Utilities 	Car License CM Home Css Home CT User Department Number	Yes		
▶ Help	Display Name Employee Number			

7. Configure Pegasystems Chordiant Foundation Server

This section provides the procedures for configuring Chordiant Foundation Server. The procedures include the following areas:

- Administer master.dtd
- Administer TSAPI.PRO
- Administer CTI.xml
- Launch application and web interface
- Administer CTI user accounts
- Administer ACD queues
- Administer station definitions

The configuration of Chordiant Foundation Server is performed by Pegasystems service personnel. The procedural steps are presented in these Application Notes for informational purposes.

Chordiant Foundation Server can be configured on a single server or with components distributed across multiple servers. The solution provides a customizable platform that uses the J2EE framework with either WebSphere or WebLogic as the application server, and either Oracle or DB2 as the database component. For ease of compliance testing, the configuration used a single server hosting all components including WebLogic and Oracle.

The compliance test covered the default out-of-the-box Chordiant Unified Desktop, which is a thin client web-based agent application provided by Pegasystems Chordiant Foundation Server. Note that any customized application developed using Pegasystems Chordiant Foundation Server will require separate compliance test.

The detailed administration of user profiles is not the focus of these Application Notes and will not be described. This section assumes the necessary user profiles have been pre-configured.

7.1. Administer master.dtd

From the Chordiant Foundation Server, navigate to the directory containing the **master.dtd** file, in this case C:\WLS1035\user_projects\domains\FS67\chordiant\config\chordiant.

Organize 🔻 🎒 Open 👻 New	folder			83	- 27 7		?
Organize 🔻 🏼 Open 🔻 New	Tolder	A	(Dec. Symmetry D.C. and				6
🚖 Favorites		Name	Date modified	Туре	Size		
🧮 Desktop		cache.ccf	7/19/2012 10:52 PM	CCF File		5 KB	
🚺 Downloads		🖹 chordiant_env	7/19/2012 9:54 PM	PROPERTIES File		1 KB	
🔚 Recent Places		📄 chordiant_env.properties.template	7/19/2012 10:52 PM	TEMPLATE File		1 KB	
	E	📄 component_links	7/19/2012 10:49 PM	XML Document		2 KB	
🔚 Libraries		ErrorResources_en	7/19/2012 10:52 PM	PROPERTIES File		5 KB	
Documents		🕋 HybridMapping	7/19/2012 10:52 PM	XML Document		3 KB	
→ Music		Hybrid Mapping.xsd	7/19/2012 10:52 PM	XSD File		4 KB	
E Pictures		🔳 log4j	7/19/2012 10:52 PM	PROPERTIES File		2 KB	
Videos		🔳 master	7/26/2012 11:38 AM	DTD File		9 KB	1
		master.dtd.template	7/19/2012 10:52 PM	TEMPLATE File		10 KB	in the second
💻 Computer		🕋 master	7/19/2012 10:52 PM	XML Document		18 KB	
Local Disk (C:)		📄 TSAPI	7/19/2012 10:52 PM	PRO File		3 KB	
A on PC20	-	<	III			1	F

Open the **master.dtd** file with the Notepad application, and scroll down to the **CTI entities** section. Set **CTI_MIDDLEWARE_SERVER** to the Tlink name from **Section 6.6**. Set **NUMBER_OF_CTI_MANAGERS** to the total number of monitored supervisors and agents from **Section 3**.

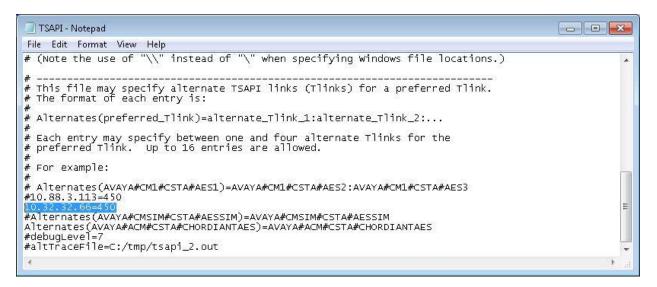
File Edit Format View Help		
rite Eule Format view Help		
CTI entities		
</td <td></td> <td></td>		
	DIR "\$[DEPLOYMENT_DIR]/jxt"> I "true"> : "CTIManagerContainer">	
<pre><!-- CSA entities--></pre>		
</td <td>'aa@aa.com"> xname"></td> <td></td>	'aa@aa.com"> xname">	

7.2. Administer TSAPI.PRO

In the same directory, edit the TSAPI.PRO file shown below.

	,	▶ domains ▶ FS67 ▶ chordiant ▶ co		Search chord		
Organize 🔻 🛛 🧾 Ope	n 🔻	New folder				(
🔛 Recent Places	^	Name	Date modified	Туре	Size	
		🛒 component_links	7/19/2012 10:52 PM	XML Document	2 KB	
🥽 Libraries		ErrorResources_en	7/19/2012 10:52 PM	PROPERTIES File	5 KB	
Documents	=	📄 HybridMapping	7/19/2012 10:52 PM	XML Document	3 KB	
J Music	1946	📋 Hybrid Mapping.xsd	7/19/2012 10:52 PM	XSD File	4 KB	
🔄 Pictures		🔳 log4j	7/19/2012 10:52 PM	PROPERTIES File	2 KB	
🛃 Videos		🧾 master	8/8/2012 7:18 AM	DTD File	9 KB	
		master.dtd.template	7/19/2012 10:52 PM	TEMPLATE File	10 KB	
🜉 Computer		📄 master	7/19/2012 10:52 PM	XML Document	18 KB	
🚢 Local Disk (C:)	-	TSAPI	8/8/2012 9:20 AM	PRO File	3 KB	

Scroll to the bottom of the file, and add a line as shown below, where "10.32.32.66" is the IP address of Application Enablement Services.



7.3. Administer CTI.xml

Navigate to the directory containing the **CTI.xml** file, in this case **C:\WLS1035\user_projects** \domains\FS67\chordiant\config\chordiant\components\master.

				Search maste		
)rganize 🔻 🛛 🧔 Op	en 🔻	New folder			== •	
🔛 Recent Places	*	Name	Date modified	Туре	Size	
		🖭 CreditCardAccountService	7/19/2012 10:52 PM	XML Document	6 KB	
🔰 Libraries		🕑 сп	7/19/2012 10:52 PM	XML Document	20 KB	
Documents	E	🔄 CTI_AES_JTAPI	7/19/2012 10:52 PM	XML Document	12 KB	
👍 Music		🔮 CTI_AvayaIc	7/19/2012 10:52 PM	XML Document	4 KB	
🔄 Pictures		🔄 CTI_Cisco	7/19/2012 10:52 PM	XML Document	6 KB	
🛃 Videos		📄 CTI_Genesys	7/19/2012 10:52 PM	XML Document	6 KB	
		🔮 CTI_Genesys_Interaction	7/19/2012 10:52 PM	XML Document	16 KB	
🖳 Computer		🖭 CTI_Genesys_Platform	7/19/2012 10:52 PM	XML Document	22 KB	
🚢 Local Disk (C:)	-	💼 cwapi	7/19/2012 10:52 PM	XML Document	11 KB	

Open the **CTI.xml** file with the Notepad application, and scroll down to the **AGENT_READY_POLICY** section to set the desired agent availability mode. In the compliance testing, the policy was set to **AGENT_READY_AUTO_IN** shown below.

🗍 CTI - Notepad		
File Edit Format Vie	ew Help	
	Variable: AGENT_READY_POLICY Valid values: AGENT_READY_MANUAL_IN AGENT_READY_MANUAL_IN AGENT_READY_AUTO_IN These values are case sensitive. Enter them in upper case only.	^
#	<pre>Default value: AGENT_READY_MANUAL_IN</pre>	
#	Description: Controls how agents are made available at the end of a phone call. The TSAPI interface allows us to have an agent immediately available (auto-in) when a call ends, or have the agent remain unavailable (ntil they finish after-call work and manually make themselves available (manual-in). Genesys does not expose this level of control through their Desktop Phone API, so we can only use this for TSAPI so far. Values meanings: AGENT_READY_MANUAL_IN - agent is unavailable at call end until an application calls CtiManager.MakeAvailable() AGENT_READY_AUTO_IN - agent is automatically available at call end even if	H
# # _ <	CtiManager.MakeAvailable() is not called CtiManager.MakeAvailable() is not called NOTE: Genesys Platform Connector takes this value from the specific CTI_Genesys_Platform XML file. """"""""""""""""""""""""""""""""""""	
•	III	ب. ان ا

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7.4. Launch Application and Web Interface

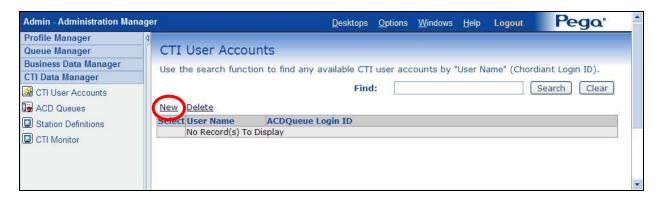
From the Chordiant Foundation Server, navigate to the directory containing the **setChordiantParam.cmd** file, in this case **C:\WLS1035\user_projects\domains\FS67\bin**, and double-click to launch the application.

After launching the application, start the web interface from a PC by using the URL <u>http://ip-address:7001/Advisor/advisor.htm</u>" in an Internet browser window, where "ip-address" is the IP address of Chordiant Foundation Server. Log in using the administrator credentials.

		Peg	a	
		0		
		Chordia ied De		
	onn		Shtop	
		Version 6.	7.0	
	Jser Name			
,	Password			
			4	

7.5. Administer CTI User Accounts

The Admin – Administration Manager screen is displayed. Select CTI Data Manager \rightarrow CTI User Accounts from the left plane, to display the CTI User Accounts screen in the right pane. Click New to add a new user account.



Solution & Interoperability Test Lab Application Notes ©2012 Avaya Inc. All Rights Reserved. 20 of 32 Chordiant-AES6 The screen below is displayed. For User Name, click the flashlight icon and select the appropriate user profile from the subsequent pop-up window (not shown). For the ACDQueue fields, enter the first agent ID credentials from Section 5.4. For the Middleware fields, enter the Chordiant user credentials from Section 6.7.

Admin - Administration Manager		<u>D</u> esktops	<u>O</u> ptions	<u>W</u> indows	<u>H</u> elp	Logout	Pega
Profile Manager 4 Queue Manager Business Data Manager	CTI User Accoun	t:New					
CTI Data Manager	Save Cancel	* ccagent1		_ &			
Station Definitions CTI Monitor	ACDQueue Login ID:	* 65881		%			
	ACD Queue Login Password: Re-Type ACD Queue Password:	•••••					
	Middleware Login ID:	chordiant					
	Middleware Login Password:	•••••					
	Re-Type Middleware Login Password:	•••••					
	Cisco ICM Peripheral ID:						

Repeat this section to create a user account for each monitored supervisor and agent from **Section 3**. Note that if transfer/conference of data screens is desired for supervisors, then Chordiant Foundation Server requires the supervisors to be configured and logged in as agents. In the compliance testing, three user accounts were created as shown below.

Admin - Administration Manage	er			<u>D</u> esktops	<u>O</u> ptions	<u>W</u> indows	<u>H</u> elp	Logout	Pega
Profile Manager 4									
Queue Manager	Infor	mation							
Business Data Manager	-	TI User added s	uccostully						
CTI Data Manager									
🛃 CTI User Accounts	CTI	User Acco	unts						
ACD Queues	Use t	the search func	tion to find an	v available	e CTI use	r accounts	by "Us	ser Name" (Chordiant Login
Station Definitions	ID).			A . STA BROOM			94669 4 () - 5694		
CTI Monitor				Find	:				Search Clear
	New	Delete							
	Selec	t All Select No	ne						
	Selec	t User Name	ACDQueue	e Login ID					
		ccagent1	65881						
		ccagent2	65882						
		ccmanager	65883						

7.6. Administer ACD Queues

Select **CTI Data Manager** \rightarrow **ACD Queues** from the left plane, to display the **ACD Queues Search** screen in the right pane. Click **New** to add a new ACD queue.

Admin - Administration Mana	ger <u>D</u> esktops <u>O</u> ptions <u>W</u> indows <u>H</u> elp Logout Pega [*]
Profile Manager Queue Manager	ACD Queues Search
Business Data Manager CTI Data Manager CTI User Accounts	Use the search function to find any available ACD Queue. Find: Search Clear
ACD Queues Station Definitions CTI Monitor	New Delete Select ACDQueue Name No Record(s) To Display

The screen below is displayed next. For **Queue Name**, enter a desired name without blanks. For **Queue Number**, enter the first skill group extension from **Section 3**. For **Language**, select a desired language, in this case "English". Click **Save**.

Admin - Administration Manag	er	<u>D</u> esktops	<u>O</u> ptions	<u>W</u> indows	<u>H</u> elp	Logout	Pega
Profile Manager 4 Queue Manager 4 Business Data Manager 6 CTI Data Manager 6 CTI User Accounts 6 ACD Queues 6 Station Definitions 7 CTI Monitor 7	ACD Queue : N General Save Cancel Queue * [Queue * [Queue *]						

The screen is updated with a new Users tab, as shown below. Click Add to add a user.

Admin - Administration Manag	jer	<u>D</u> esktops	<u>O</u> ptions	<u>W</u> indows	<u>H</u> elp	Logout	Pega
Profile Manager	1						
Queue Manager	Information						
Business Data Manager	1. 0 AcdOUser Associations found						
CTI Data Manager	2. ACD Queue added successfully						
	ACD Queue :Chordiant_ All ACD Queues > Chordiant_Sales General Users	29					
	Add Remove	Find:				Se	earch Clear
	No Record(s) To Display	Je Login IC)				

Solution & Interoperability Test Lab Application Notes ©2012 Avaya Inc. All Rights Reserved. 22 of 32 Chordiant-AES6 In the subsequent screen (not shown), click the flashlight icon followed by **Search** to display a list of available users (not shown), and select the desired user to add to the queue. Repeat these steps to add all desired users to the queue. In the compliance testing, all three users from **Section 7.5** were added to the queue, as shown below.

Admin - Administration Manage	en l	<u>D</u> esktops	<u>O</u> ptions	<u>W</u> indows	<u>H</u> elp	Logout	Pega
Profile Manager 4							
Queue Manager	Information						
Business Data Manager CTI Data Manager	User is successfully	assigned to the acd qu	eue.				
GTI User Accounts	ACD Queue :Ch	ordiant_Sales					
ACD Queues	All ACD Queues > Chor	diant Sales					
 Station Definitions CTI Monitor 	General Users						
		Find:				Se	arch Clear
	Add <u>Remove</u>						
	Select All Select Nor	<u>1e</u>					
	Select Users	ACDQueue Login ID					
	ccagent1	65881					
	ccagent2	65882					
	ccmanager	65883					

Repeat this section to create an ACD queue for each skill group extension from **Section 3**. In the compliance testing, two ACD queues were created as shown below.

Admin - Administration Mana	iger <u>D</u> esktops <u>O</u> ptions <u>W</u> indows <u>H</u> elp Logout Pega [®]	
Profile Manager Queue Manager Business Data Manager CTI Data Manager Image: CTI User Accounts Image: ACD Queues Image: Station Definitions Image: CTI Monitor	ACD Queues Search Use the search function to find any available ACD Queue. Find: Search Clear New Delete Select All Select None Select ACDQueue Name Chordiant Sales Chordiant Support	

7.7. Administer Station Definitions

Select **CTI Data Manager** \rightarrow **Station Definitions** from the left plane, to display the **Station Definitions Search** screen in the right pane. Click **New** to add a new station definition.

Admin - Administration Mana	iger <u>D</u> esktops <u>O</u> ptions <u>W</u> indows <u>H</u> elp Logout Pega [•]	K
Profile Manager	4	
Queue Manager	Station Definitions Search	
Business Data Manager	Use the search function to find any available Station.	
CTI Data Manager		
😹 CTI User Accounts	Find: Search Clear	
ACD Queues	New Delete	
Station Definitions	Select Name	
CTI Monitor	No Record(s) To Display	

The screen below is displayed next. Enter a desired Name and click Save.

Admin - Administration Mana	ger <u>D</u> esktops <u>O</u> ptions <u>W</u> indows <u>H</u> elp Logout	Pega
Profile Manager Queue Manager Business Data Manager CTI Data Manager Image: CTI User Accounts Image: ACD Queues Image: Station Definitions	Station: New General Save Cancel	5
CTI Monitor	Name: * Chordiant agent 1 Effective Date: Expiry Date:	

The screen is updated with a new **Devices** tab, as shown below. Click **New** to add a device.

Profile Manager	4				
Queue Manager	Stati	ion: Chordiant ag	gent 1		
Business Data Manager	All Stat	tions > Chordiant agent	1		
CTI Data Manager		and a chordiane agene	*		
Reference Accounts	Gener	ral Devices			
ACD Queues					
Station Definitions	New				
	Sere	ct Device Name	Device Type	Device ID	
🖳 CTI Monitor		No Record(s) To Displa	y		

The screen below is displayed. For **Device ID**, enter the first agent station extension from **Section 3**. Enter a desired **Device Name**.

Admin - Administration Manage	er		<u>D</u> esktops	<u>O</u> ptions	<u>W</u> indows	<u>H</u> elp	Logout	Pega
Profile Manager d Queue Manager Business Data Manager CTI Data Manager	Devices: New							
CTI User Accounts	General							
Station Definitions	Save Cancel							
CTI Monitor	Device Type:	Telephone		×				
	Device ID: *	65001						
	Device * Name:	agent 1						
	Description:			< 2				
	Primary Middleware Host:							
	Primary Middleware Port:							
	Secondary Middleware Host:							
	Secondary Middleware Port:							

Repeat this section to create a station definition for each agent and supervisor station extension from **Section 3**. In the compliance testing, three station definitions were created as shown below.

Admin - Administration Manag	er <u>D</u> esktops <u>O</u> ptions <u>W</u> indows <u>H</u> elp Logout Pega [•]
Profile Manager 4	
Queue Manager	Information
Business Data Manager	5 Stations found.
CTI Data Manager	
😹 CTI User Accounts	Station Definitions Search
ACD Queues	Use the search function to find any available Station.
Station Definitions	Find: Search Clear
CTI Monitor	
	New Delete
	Select All Select None
	Select Name
	Chordiant agent 1
	Chordiant agent 2
	Chordiant supervisor 1

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8. Verification Steps

This section provides the tests that can be performed to verify proper configuration of Communication Manager, Application Enablement Services, and Chordiant Foundation Server.

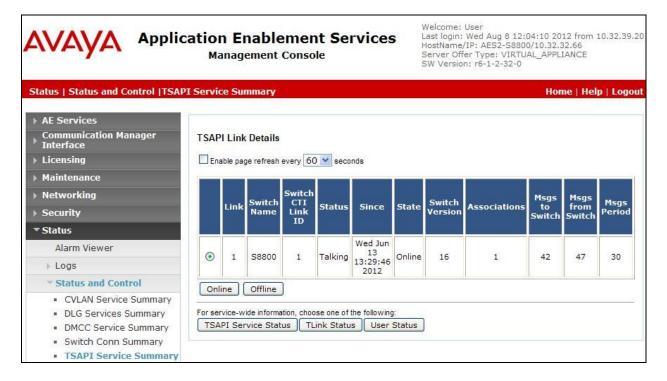
8.1. Verify Avaya Aura® Communication Manager

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.

```
status aesves eti-linkAE SERVICES CTI LINK STATUSCTI LinkVersion Mnt Busy ServerService StateMsgs SentMsgs Revd14noAES2-S8800established3030
```

8.2. Verify Avaya Aura® Application Enablement Services

Log at least one agent into the ACD as described in Section 8.3. 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, and that the Associations column reflects the number of supervisors and agents logged into the ACD.



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8.3. Verify Pegasystems Chordiant Foundation Server

From the agent PC, follow the procedures in **Section 7.4** to launch the Chordiant web-based interface, and log in using the appropriate user credentials.

	Pega
Uni	Chordiant fied Desktop
	Version 6.7.0
User Name	ccagent1
Password	••••
Copyright	© 1995-2012, Pegasystems Inc. All rights reserved, Protected by US Patent #1178109

The screen below is displayed next. Click on the Login to phone system icon below.

ccagent1 (Unavailable) - Call Center Advisor		Pega
<u>C</u> ustomers <u>A</u> vailability <u>Q</u> ueues <u>T</u> ools <u>D</u> esktops	<u>O</u> ptions <u>W</u> indows <u>H</u> elp Logout	
🦉 🜮 🥵 🍰 🍰)i(🔐 🏠 🍓 🔍		
00:00:00 You are not logged into the phone sys	m 🛛 🖉 🙆 🥺 🖉	● < < > ≤ < ? ▼
Homepage		_ 🗆 ×
Welcome to the Chordian Today is Wednesday, August 8, Company News	: Unified Desktop, ccagent1 012 Queue information gathered on: Wednesday, August 08, 2012 1	1:57:42 AM
- One millionth customer served!	Queue Name	Priority Items
- Company increases market share	🍰 陋 callcenteragent	4
according to latest figures	OutboundMarketing	4
	I≡ IM Email I M CallMe	4
	🚱 Get Next 🚺 Get Queue Item	😂 Open 🛛 🥐 Help
Queue details last refreshed on: We	esday, August 08, 2012 11:57:42 AM	Record 0 to 0 of 0 😤 < 🗲 🗩
Task Custome	Date/Time Title Tim Notes	SLA Date Status
Task Custome	Dater Time The Time Notes	JEA Date Status

The **Phone System Login** pop-up box is displayed. Enter the agent's station extension, in this case "65001".

Customers Availability Queues Tools Desktops Options Windows Help Logout Image: Second Sec	ccagent1 (Unava	ailable) - Call Ce	nter Adviso	or								Pe	ega'	_
00:00:00 You are not logged into the phone system Image: Comparison of the system Image: C	<u>C</u> ustomers <u>A</u> vai	ilability <u>Q</u> ueues	<u>T</u> ools <u>D</u>	esktops	Option	s <u>W</u> ir	ndows	<u>H</u> elp	Logou	t				
Homepage		🎯)ેલ 🍕 🕇	3 🍇 🛛											
Inter your phone extension to login to the system Phone Extension 65001 OK Cancel ueue information gathered on: Wednesday, August 08, 2012 1:17:28 PM - Company increases marker snare Image: CollCenteragent 4 - Company increases marker snare Image: CollCenteragent 4 Image: CollCenteragent 4 4 Image: CollCenteragent 6<	00:00:00 Y	ou are not logged	into the pho	one syster	n						* 0 0	$\Theta ~ \mathcal{C} ~ \prec ~ \Rightarrow$	z 🤄 ? 🗅	V
Phone Extension 65001 OK Cancel ueue information gathered on: Wednesday, August 08, 2012 1:17:28 PM Queue Name Priority Items Callcenteragent 4 Company increases marker snare according to latest figures B Callcenteragent 4 B Callcenteragent 4 B Callcenteragent 4 B Callcenteragent 4 B Callcenteragent 4 Company increases marker snare Company increases marker snare Comp		Homepage			10								_ 🗆	×
Queue Name Priority Items - Company Increases market snare according to latest figures image: callcenteragent 4 Image: callcenteragent according to latest figures Image: callcenteragent according to latest figures 4 Image: callcenteragent according to latest figures Image: callcenteragent according to latest figures 4 Image: callcenteragent according to latest figures Image: callcenteragent accord	Enter your phor	ne extension to log) (The second se		608240	00.52*	8000		A. 1990 - 53	aust 08-2012	1-17-28 PM		-
according to latest figures Image: Construction of the second of the								5					Items	1
Image: Description Image: Descri		- Company Incl	reases mark	(et snare								4		
Queue details last refreshed on: Wednesday, August 08, 2012 1:17:28 PM Record 0 to 0 of 0 R < > >		according to la	test figures		and the second second			dMarket	ing					
Queue details last refreshed on: Wednesday, August 08, 2012 1:17:28 PM Record 0 to 0 of 0 K K S S					10 A.									_
Queue details last refreshed on: Wednesday, August 08, 2012 1:17:28 PM Record 0 to 0 of 0 😤 😤 🖻					9		allivie					4		r.
Record 0 to 0 of 0 🔍 🔍 🔊									🗘 Ge	t Next 🧔 🤅	et Queue Iten	n 🔗 Open	? Help	
		Queue details la	ast refreshed	l on: Wed	nesday,	August	08, 20	012 1:17	:28 PM				- Contraction	
Task Custome Date/Time Title Tim Notes SLA Date Status												Record 0 to 0 of	0 K < > >	į,
		Task	C	ustome	Date/	Time		1	itle	Tim	Notes	SLA Da	ate Status	

Verify that the screen is updated with log in status, as shown below. Select Availability \rightarrow Availability from the top menu.

ccagent1 (U	navailable) - Call Center	Advisor						Pe	ga.
Customers	Availability Queues Too		<u>O</u> ptions <u>\</u>	<u>N</u> indows	<u>H</u> elp Log	out			
00:00:00	Logged in. No calls active.		>			Ext: 65001	× 0 0		≥ ∲? ⊽
	Ношераус								_ 🗆 X
	Welcome to th	e Chordian	t Unified	Deskto	op, ccage	nt1			
	Today is Wednesd	lay, August 8, 2	012						
	Company News		Queue ir	nformation	gathered on:	Wednesday, A	ugust 08, 2012 1	:17:28 PM	-
	- One millionth cust					ueue Name		Priority	Items
	- Company increase according to latest f			callcente Outbound	ragent dMarketing			4	
	decording to latest i	gures		Email				4	
				CallMe				4	*
			-		÷.	Get Next 📀	Get Queue Item	🔗 Open	? Help
	Queue details last ret	reshed on: Wedr	nesday, Aug	ust 08, 20	12 1:17:28 PI	И		Record 0 to 0 of 0	8389
	Task	Custome	Date/Tim	е	Title	Tim	Notes	SLA Dat	
		1							

Verify the agent mode changes to **Available**, as shown below.

ccagen 1 (Available) - Call Center Advisor					Peg	ja.
<u>C</u> ustomers <u>Availability</u> <u>Queues</u> <u>T</u> ools <u>D</u> esktops	Options Windows	Help Logout				
🦉 🜮 🔗 🏂 🍰 ji 🦓 🦓 🦾 🔯						
00:00:00 Logged in. No calls active. All lines are free		Ext	: 65001	×0000	< + z	<i>∲</i> ? ⊽
Homepage						_ 🗆 🗙
Welcome to the Chordiant Today is Wednesday, August 8, 2	012	gathered on: Wedr	aesday Augus	+ 08 2012 1-10-08	PM	
- One millionth customer served!	Quede information	Queue			Priority	Items
- Company increases market share	🌛 🕨 callcente	ragent			4	
according to latest figures		dMarketing			4	
	🔳 🗭 Email				4	
	Image: Second				4	*
		Cet N	ext 🚺 Get	Queue Item 🔗 O	pen 🧧	9 Help
Queue details last refreshed on: Wedr	iesuay, August 06, 20	112 1.11.20 PM		Record	1 0 to 0 of 0 🖡	REFS
Task Custome	Date/Time	Title	Tim	Notes	SLA Date	Status

Make an incoming ACD call from the PSTN. Verify the call is ringing at the agent's telephone, and that the agent screen is updated to reflect the incoming call.

Click on **Answer** or the icon corresponding to the ringing call appearance.

ccagent1 (Ava	ilable) - Call Center Ad	visor								Pe	ga'
<u>C</u> ustomers <u>A</u>	<u>vailability Q</u> ueues <u>T</u> o	iols <u>D</u> esktops	Options	s <u>W</u> i	ndows	<u>H</u> elp	Logout				
S 8	3 181 181 🔂	<u>a</u> [2]									
00:00:00	Incoming call on line 1.	Answer >>					Ext:	65001	× 🚺 🥹		\$ ∲ ? ▼
	Homepage										_ 🗆 🗙
	Welcome to t	he Chordian	t Unifi	ed D	eskto	op, cc	agent1				
	Today is Wednes						0				
	Today is weares	uay, August 0, 2	2012								
	Company News		Que	ue info	rmation	gathere	d on: Wedne	esday, Augu	ust 08, 2012 1	1:22:28 PM	-
	- One millionth cust	tomer served!					Queue I			Priority	Items
	- Company increas	es market share	2		allcente					4	
	according to latest	figures	Ø			dMarket	ing			4	
					mail					4	
			Ø	₩ C	allMe					4	*
			_				🗘 Get Ne	ext 🚺 🗘 Ge	et Queue Item	🔗 Open	? Help
	Queue details last re	freshed on: Wed	nesday,	Augus	t 08, 20	12 1:17.	28 PM				
										Record 0 to 0 of 0	RAPS
	Task	Custome	Date/	Time		Т	itle	Tim	Notes	SLA Dat	e Status

Verify the agent is connected to the PSTN with two-way talk path, and that the agent screen is updated with the calling and called party information, as shown below.

ccagent1 (Available) - C	all Center Advisor						P	ega [,]
<u>C</u> ustomers <u>A</u> vailability	Queues Tools CaseMa	nagemen <u>t</u> <u>D</u> esk	tops <u>O</u> ptions <u>W</u> in	dows <u>H</u> elp I	Logout			
\$\$ \$* \$* 👌 🗳 }*	🔐 🟠 🍪 🖸							
00:00:20 🖉 Unkn	own ?a 9088445002	G 73288620	05		Ext: 65001	< 🔨 😧	● < ≺ →	2 ? ?)
	Homepage							_ 🗆 X
	Welcome to t Today is Thursda		t Unified Deskt	op, ccagent	:1			
	Company News			Queue information gathered on: Thursday, July 05, 2012 9:57:54 AM				-
		 One millionth customer served! Company increases market share according to latest figures 		Que ragent	ue Name		Priority 4	Items
				dMarketing			4	
			🔳 🕪 Email	2			4	
			CallMe				4	*
				🦸 Ge	et Next 🧳 Ger	Queue Item	Open	? Help
	Queue details last r	Queue details last refreshed on: Thursday, July 05, 2012 9:54:32 AM Reco						8388
	Task	Task Custome		Date/Time Title Tim Notes			SLA Dat	and the second

9. Conclusion

These Application Notes describe the configuration steps required for Pegasystems Chordiant Foundation Server to successfully interoperate with Avaya Aura® Communication Manager and Avaya Aura® Application Enablement Services. All feature and serviceability test cases were completed with observations noted in **Section 2.2**.

10. Additional References

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

- **1.** Administering Avaya AuraTM Communication Manager, Document 03-300509, Issue 6.0, Release 6.0, June 2010, available at <u>http://support.avaya.com</u>.
- **2.** Avaya Aura® Application Enablement Services Administration and Maintenance Guide, Release 6.1, Issue 2, February 2011, available at http://support.avaya.com.
- **3.** *Chordiant Foundation Server Telephony Integration Guide*, Release 6.7, May 2012, available at <u>https://mesh.pega.com</u>.

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