

DevConnect Program

Application Notes for OpenMethods Harmony 7.1 with Avaya Aura® Application Enablement Services 10.1 and Avaya Aura® Communication Manager 10.1 - Issue 1.0

Abstract

These Application Notes describe the configuration steps required for OpenMethods Harmony 7.1 to interoperate with Avaya Aura[®] Application Enablement Services (AES) 10.1 and Avaya Aura[®] Communication Manager 10.1.

The Harmony solution consists of Harmony Integration Server (HIS), Harmony Queue Adapter (QA), and with Harmony Media Bar and PopFlow on the Oracle Service Cloud. HIS integrates with AES via JTAPI, and QA integrates with AES via DMCC .Net. The Harmony solution is hosted in the AWS cloud and a site-to-site VPN was used between the solution and the DevConnect lab.

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 Avaya DevConnect Program.

1. Introduction

The Harmony solution consists of Harmony Integration Server (HIS), Harmony Queue Adapter (QA), and with Harmony Media Bar and PopFlow on the Oracle Service Cloud. HIS integrates with AES via JTAPI, and QA integrates with AES via DMCC .Net. The Harmony solution is hosted in the AWS cloud and a site-to-site VPN was used between the solution and the DevConnect lab.

The phantom call capabilities of Communication Manager are used to deliver non-voice work items to agents, including email and chat. Phantom calls for email and chat work items will be initiated by the QA component, with use of AWOH (Administration Without Hardware) stations as calling parties and the email and chat VDN/skills as destinations.

Harmony uses JTAPI/TSAPI to provide screen pop, agent states, and call control for voice work items, and uses DMCC with AWOH stations to provide screen pop and control for email and chat work items.

Harmony can support multiple work items at the agent, which is an optional feature on Harmony, and requires the Multiple Call Handling feature on Communication Manager.

2. General Test Approach and Test Results

The feature test cases were performed manually. Upon an agent log in, HIS used TSAPI to query and request monitoring on the agent station associated with the agent ID.

Incoming ACD calls were placed to available agents that were logged into the OpenMethods Web Portal to verify the usage of the events from TSAPI and Emails and Chats were placed via the OpenMethods Customer Support Portal and the multi-media items were delivered via DMCC with AWOH stations.

All test cases passed successfully but necessary workarounds are noted in Section 2.2.

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 these DevConnect Application Notes 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 these Application Notes, the interface between Avaya systems and Harmony did not include use of any specific encryption features as requested by Open Methods.

2.1. Interoperability Compliance Testing

The interoperability compliance test included feature and serviceability testing.

The feature testing focused on verifying the following on Harmony:

- Use of TSAPI query services to query device information, name, agent state, and call control.
- Use of TSAPI monitoring and event report services to monitor agent stations.
- Use of TSAPI snapshot services to obtain information on agent stations and existing calls.
- Use of DMCC to deliver multi-media work items with the use of AWOH stations.

2.2. Test Results

While all test cases passed, the following observations were noted:

• While changing agent states via the Harmony Agent Portal is successful (i.e., AuxWork, After Call Work, Ready) when an agent logout is imitated via the Harmony Agent Portal the logout event is not sent to from the application to AES/CM. The agent must manually log out on the softphone / desk phone.

2.3. Support

OpenMethods Technical Support can be reached via email or phone.

- E-mail: care@openmethods.com Phone: 1.816.283.8965 (ext. 1)
- Web: www.openmethods.com

3. Reference Configuration

The configuration used for the compliance testing is shown in **Figure 1**. The detailed administration of basic connectivity between Communication Manager and Application Enablement Services, and of call center devices are not the focus of these Application Notes and will not be described.

Device Type	Extension
Agent Station	65001 (H.323), 66006 (SIP)
Agent ID	65881, 65882
Agent Password	65881, 65882
DMCC Stations – Chat	64101, 64102
DMCC Stations – Email	64103, 64104
Skills – Voice	61001
Skills – Chat	61002
Skills – Email	61003
Hunt Groups – Chat	64900
Hunt Groups – Email	63900
VDNs – Voice	44301
VDNs – Chat	44302
VDNs - Email	44303

In the compliance testing, Harmony monitored agent stations associated with the agent IDs shown in the table below.



Figure 1: Test Configuration for Harmony and Avaya Aura® Environment

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 in	10.1.3
Virtual Environment	(10.1.3.0.1.974.27893)
Avaya G430 Media Gateway	42.8.0
Avaya Aura® Media Server in	10.1
Virtual Environment	(10.1.0.154)
Avaya Aura® Application Enablement	10.1
Services in	(10, 1, 3, 0, 0, 11, 0)
Virtual Environment	(10.1.3.0.0.11-0)
Avaya Aura® Session Manager in	10.1.3
Virtual Environment	(10.1.3.0.1013007)
Avaya Aura® System Manager in	10.1.3
Virtual Environment	(10.1.3.0.0715713)
Avaya Session Border Controller in	10.1
Virtual Environment	(10.1.2.0-64-23285)
Avaya Agent for Desktop (H.323 & SIP)	2.0.6.0.10
Avaya 9611G IP Desk phone (H.323)	6.8.5.3.2
Avaya J169 IP Desk phone (SIP)	4.0.13.0.6
Avaya J179 IP Desk phone (H.323)	6.8.5.3.2
Harmony Integration Server	7.1.0.202309291202
Harmony QueueAdapter	7.0.1.202308311538

5. Configure Avaya Aura® Communication Manager

This section contains steps necessary to configure Harmony successfully with Communication Manager.

A 11	f '		$\boldsymbol{\alpha}$	4 ¹ N	/		f	CAT	4
AII	contiguratio	ng in	(ommunia	n non R	//anager w	iere ne	ertormea	$v_{12} \land A \perp$	terminal
1 111	conngarano	110 111	Community	Junon 1	runugor w		nionnou	10 DI 11	winnur.
	0				0	1			

Stations	Туре	Description
65001	J179 H.323	Agent station
66006	J169 SIP	Agent Station
64101, 64102	AWOH X Port stations	Chat phantom call stations
64103, 64104	AWOH X Port stations	Email phantom call stations
Call Center Agents	Skills	
65881, 65882	1, 2, 3	
Vector Directory Numbers	Media	Vector
44301	Voice	101
44302	Chat	102
44303	Email	103
Hunt Groups (Skills)	Extension	Description
1	61001	Voice
2	61002	Chat
3	61003	Email
11	64900	Chat AWOH non-acd group
12	63900	Email AWOH non-acd group

5.1. Verify Feature and License

Enter the **display system-parameters customer-options** command and ensure that the following features are enabled.

One Page 4, verify Computer Telephone Adjunct Links is set to y.

```
display system-parameters customer-options
                                                               Page
                                                                     4 of 12
                               OPTIONAL FEATURES
   Abbreviated Dialing Enhanced List? y
                                                Audible Message Waiting? y
                                                   Authorization Codes? 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? y
                                                             DCS (Basic)? y
         ASAI Link Core Capabilities? y
                                                       DCS Call Coverage? 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
             ATM WAN Spare Processor? n
                                                                  DS1 MSP? y
                                ATMS? y
                                                  DS1 Echo Cancellation? y
                 Attendant Vectoring? y
```

5.2. Configure Stations – Call Center

Add stations for Call Center agents to answer calls. Use **add station** n command to add a station, where n is an available station extension. Configure the station as follows, on **Page 1**:

- In **Name** field, enter a descriptive name
- Set **Type** to the type of the telephones
- Enter a Security Code

Page 1 of add station 65001 5 STATION Lock Messages? n Security Code: 123456 Coverage Path 1: 1 Coverage Path 2: BCC: 0 Extension: 65001 Type: 9611 TN: 1 Port: S000005 COR: 1 Port: SUUUUUS Name: H323 Staff COS: 1 Unicode Name? n Hunt-to Station: Tests? y STATION OPTIONS Time of Day Lock Table: Loss Group: 19 Pers Speakerphone: 2-way Display Language: english Personalized Ringing Pattern: 1 Message Lamp Ext: 30002 Mute Button Enabled? y Button Modules: 0 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

One Page 4, under BUTTON ASSIGNMENTS, add auto-in, after-call, release and aux-work as shown below:

add station 30002	STA	ATION	Page 4 of 5	
SITE DATA Room: Jack: Cable: Floor: Building:		He Sr Mou Cord I Set	eadset? n beaker? n unting: d Length: 0 Color:	
ABBREVIATED DIALING List1:	List2:	I	List3:	
BUTTON ASSIGNMENTS 1: call-appr 2: call-appr 3: call-appr 4: send-calls Ext:		5: after-call 6: release 7: auto-in 8: aux-work RC	Grp: Grp: C: Grp:	

5.3. Configure Stations – CTI

Add CTI stations that will be used to launch Chat and Email phantom calls. Use **add station** n command to add a station, where n is an available station extension. Configure the station as follows, on Page 1:

- In Name field, enter a descriptive name
- Set **Type** to **6408D**+
- Set **Port** to **X**

```
add station 64101
                                                                     Page 1 of 5
                                          STATION
Extension: 64101
                                              Lock Messages? n
                                                                                 BCC: 0
                                            Security Code: *
Coverage Path 1:
     Type: 6408D+
                                                                                 TN: 1
     Port: XCoverage PathName: Harmony Chat StationCoverage PathHunt-to Station:Hunt-to Station:
                                                                                COR: 1
                                           Coverage Path 2:
                                                                                COS: 1
Unicode Name? n
STATION OPTIONS
                                                Time of Day Lock Table:
              Loss Group: 2 Personalized Ringing Pattern: 1
Data Module? n Message Lamp Ext: 30000
        Speakerphone: 2-way
Display Language: english
                                                 Message Lamp Ext: 30000
                                                   Mute Button Enabled? y
           Survivable COR: internal
                                                     Media Complex Ext:
   Survivable Trunk Dest? y
                                                      IP SoftPhone? n
                                                    Remote Office Phone? n
                                                                IP Video? n
IP Video? n
```

5.4. Configure Hunt Group

Use **add hunt-group** *n* command to add a hunt group, where *n* is an available hunt group. On **Page 1**:

- In the Group Name filed, enter a descriptive name
- Set ACD, Queue, Vector to y
- Enter an available Group Extension

add hunt-group 1	HUNT	GROUP	Page	1 of	4
Group Number: Group Name: Group Extension: Group Type: TN: COR: Security Code: ISDN/SIP Caller Display:	1 CM Voice 61001 ucd-mia 1 1	ACD? Queue? Vector? MM Early Answer? Local Agent Preference?	y y y n n		
Queue Limit: Calls Warning Threshold: Time Warning Threshold:	unlimited Port: Port:				

On Page 2, set Skill to y and Measured to both. Set Multiple Call Handling to either one-perskill or many-forced to enable agents to handle more than one transaction at a time.

```
add hunt-group 1
Page 2 of 4
HUNT GROUP
Skill? y
AAS? n
Measured: both
Supervisor Extension:
Controlling Adjunct: none
Multiple Call Handling: one-per-skill
Timed ACW Interval (sec): After Xfer or Held Call Drops? n
```

Note: During compliance testing, 3 hunt groups were created to route email, chat and voice to agents.

In addition, two non-acd groups were created for Chat and Email AWOH stations to launch calls to the Chat and Email VDNs. These were administered with **ACD**, **Queue**, **and Vector** set to **n**,

and the AWOH stations were assigned to the respective group. The email group setup was similar to the chat group shown below.

add hunt-group 11	HUNT	GROUP	Pa	age	1 of	4
Group Number: Group Name: Group Extension: Group Type: TN:	11 Harmony Chat 64900 ucd-mia 1	АWOH	ACD? Queue? Vector?	n n n		
COR: Security Code: ISDN/SIP Caller Display:	1	Local 2	MM Early Answer? Agent Preference?	n n		
Queue Limit: Calls Warning Threshold: Time Warning Threshold:	unlimited Port: Port:					
add hunt-group 7	HUNT	GROUP	Ι	Page	3 of	60
Group Number: 7 Grou Member Range Allowed: 1 GROUP MEMBER ASSIGNMENTS	up Extension: - 1500	31008 Administ Tota	Group tered Members (min al Administered Me	p Type n/max) embers	e: ucd-): 1 s: 2	mia /2
Ext Name 1: 64101 Ha: 2: 64102 Ha:	(16 character rmony CHAT St rmony CHAT St	s) 1 a 14 a 15	Ext Nar : :	me(16	charac	ters)

5.5. Configure Agents – Call Center

Use **add agent-loginID** *n* to add an agent that will be used by call center agents to log in, where *n* is an available agent id. On **Page 1**:

- In the Name field, type in a descriptive name
- Enter a **Password** and **Password** (enter again)
- Ensure Auto Answer is either acd or all

add agent-loginID 65881 Page 1 of 2 AGENT LOGINID Login ID: 32000 Unicode Name? n AAS? n Name: CM Agent 1 AUDIX? n TN: 1 Check skill TNs to match agent TN? n COR: 1 Coverage Path: LWC Reception: spe Security Code: LWC Log External Calls? n Attribute: AUDIX Name for Messaging: LoginID for ISDN/SIP Display? n Password: Password (enter again): Auto Answer: all AUX Agent Remains in LOA Queue: system MIA Across Skills: system ACW Agent Considered Idle: system Aux Work Reason Code Type: system MIA Across Skills: system AUX Agent Considered Idle (MIA): system Work Mode on Login: 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 WARNING:

On **Page 2**, set skill number and skill level in **SN** and **SL** fields. Skill number is the hunt group that was added in previous section.

```
add agent-loginID 32000
                                                         2 of
                                                                2
                                                    Page
                           AGENT LOGINID
    Direct Agent Skill: 1
                                               Service Objective? n
Call Handling Preference: skill-level
                                          Local Call Preference? n
                SN
   SN RL SL
                       RL SL
               16:
1:1 1
               17:
2: 2
         1
3: 3
        1
               18:
```

5.6. Configure Vectors

Use change vector n to configure a Vector, where n is an available Vector number. These are the steps to route Voice, Email, and Chat transactions to agents.

Configure a simple vector to queue the call as follows:

```
change vector 101 Page 1 of 6

CALL VECTOR

Number: 1 Name: Harmony Voice
Multimedia? n Attendant Vectoring? n Meet-me Conf? n Lock? n
Basic? y EAS? y G3V4 Enhanced? y ANI/II-Digits? y ASAI Routing? y
Prompting? y LAI? y G3V4 Adv Route? y CINFO? y BSR? y Holidays? y
Variables? y 3.0 Enhanced? y
01 wait-time 0 secs hearing ringback
02 queue-to skill 1 pri m
03 goto step 1 if unconditionally
04
```

Repeat this for Chat and Emails.

5.7. Configure Vector Directory Number (VDN)

Use **add vdn** *n* to add a vdn, where *n* is an available vdn extension. On **Page 1**:

- In the **Name** field, enter a descriptive name
- In the **Destination** field, set **Vector Number** to the vector configured earlier in this document. i.e., Vector Number 101

```
add vdn 44301
                                                                  1 of
                                                                          3
                                                            Page
                           VECTOR DIRECTORY NUMBER
                            Extension: 44301
                                                                Unicode Name? n
                                Name*: Harmony Voice
                          Destination: Vector Number
                                                            101
                  Attendant Vectoring? n
                 Meet-me Conferencing? n
                   Allow VDN Override? y
                                  COR: 1
                                  TN*: 1
                             Measured: none Report Adjunct Calls as ACD*? n
       VDN of Origin Annc. Extension*:
                           1st Skill*:
                           2nd Skill*:
                           3rd Skill*:
SIP URI:
```

Note: During compliance test 3 different VDNs were created to test a Voice, Email and Chat calls.

5.8. Configure AES connection

Use change ip-services command to add an entry for AES. On Page 1,

- In the Service Type field, type AESVCS
- In the **Enabled** field, type **y**
- In the Local Node field, type the Node name procr for the Processor Ethernet Interface
- In the Local Port field, use the default of 8765

change ip-s	services					Page	1 of	3
Service Type AESVCS	Enabled Y P	Local Node procr	IP	SERVICES Local Port 8765	Remote Node	Remote Port		

On **Page 3** of the IP Services form, enter the following values:

- In the **AE Services Server** field, type the name obtained from the Application Enablement Services server.
- In the **Password** field, type a password to be administered on the Application Enablement Services server.
- In the **Enabled** field, type **y**.

change ip-serv	vices	AE Services Adminis	stration	Page	3 of	3
Server ID	AE Services Server	Password	Enabled	Status		
1:	aes	*	У	in use		

5.9. Add CTI Link

Use **add cti-link** *n* command, where *n* is an available CTI link number.

- In the **Extension** field, type **<station extension>**, where **<station extension>** is a valid station extension.
- In the **Type** field, type **ADJ-IP**.
- In the **Name** field, type a descriptive name.



6. Configure Avaya Aura® Application Enablement Services

- Launch OAM interface
- Verify license
- Administer TSAPI link
- Administer Harmony user
- Administer security database
- Restart service
- Obtain Tlink name
- Export CA certificate

6.1. 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	
		Help
	Please login here: Username Continue	

The Welcome to OAM screen is displayed next.

avaya	Application Enablement Services Management Console	Last login: Tue Ot 31 14:14:44 E.S.T. 2023 from 192.168.120. Number of prior failed login attempts: 0 HootName/IV: aes(10.64.101.239 Server Offer Type: VIRTUAL_APPLIANCE_ON_VMWARE SW Version: 10.1.3.0.0.11-0 Server Date and Ture: Wed Nov 01 15:21:03 EDT 2023 HA Status: Not Configured
Home		Home Help Logo
) AE Services		
	Welcome to UAM	
High Availability	The AF Services Operations, Administration, and Management (OAM) Web provides you with tools for managing the J	AF Server, OAM spans the following administrative domains:
▶ Licensing	 AF Services - Lise AF Services to manage all AF Services that you are licensed to use on the AF Services. 	AL Server, OAH spans are following daministrative domains.
Maintenance	 Communication Manager Interface - Use Communication Manager Interface to manage switch connection and Use Availability. Use Manager Interface - Use Communication Manager Interface to manage switch connection and 	l dialplan.
▶ Networking	Initial Availability - Use high Availability to manage the Services HA. Licensing - Use Licensing to manage the license server.	
→ Security	 Maintenance - Use Maintenance to manage the routine maintenance tasks. Networking - Use Networking to manage the network interfaces and ports. 	
→ Status	 Security - Use Security to manage Linux user accounts, certificate, host authentication and authorization, con Status - Use Status to obtain server status informations. 	figure Linux-PAM (Pluggable Authentication Modules for Linux) and so on.
▶ User Management	 User Management - Use User Management to manage AE Services users and AE Services user-related resource Utilities - Use Utilities to carry out basic connectivity tests. 	ces.
> Utilities	Help - Use Help to obtain a few tips for using the OAM Help system	
) Help	Depending on your business requirements, these administrative domains can be served by one administrator for all	domains, or a separate administrator for each domain.

6.2. Verify License

Select Licensing \rightarrow WebLM Server Access in the left pane, to display the applicable WebLM server log in screen (not shown). Log in using the appropriate credentials and navigate to display installed licenses (not shown).

AVAYA	Application Enablement Services Management Console	Welcome: User cruit Last logn: Two Oct 31 11:41:44 E.S.T. 2023 from 192.168.120.35 Number of prior failed login attempts: 0 HostName/IP: asr(J.0.64,101.239 Server Offer Typer VITRULA, APPLIANCE_ON_VMWARE SW Version: 10.1.3.0.11-0 Server Date and Time: Wed Nov 01 15:22:34 EDT 2023 HA Status: Not Configured
Licensing		Home Help Logout
AE Services Communication Manager Interface High Availability Licensing WebLM Server Address WebLM Server Access Reserved Licenses Maintenance Networking Security	Licensing If you are setting up and maintaining the WebLM, you need to use the following: • WebLM Server Address If you are importing, setting up and maintaining the license, you need to use the following: • WebLM Server Access If you want to administer TSAPI Reserved Licenses or DMCC Reserved Licenses, you need to use the following: • Reserved Licenses NOTE: Please disable your pop-up blocker if you are having difficulty with opening this page	
) Status) User Management) Utilities) Help		
	Copyright © 2009-2023 Avaya Inc. All Rights Reserved.	

Avaya DevConnect Application Notes ©2023 Avaya LLC All Rights Reserved. Select Licensed products \rightarrow APPL_ENAB \rightarrow Application_Enablement in the left pane, to display the Application Enablement (CTI) screen in the right pane.

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

AVA Aura® System	n Manager 10.1	Users 🗸 🎤 Elements 🗸 💠 Services 🗸	│ Widgets ∨ Shortcuts ∨		Search	🜲 🗮 admin
Home	Licenses					
Licenses	^		Application Enablement (CTI) - Reis	aco: 10 - S	ID: 10502000/Enterprice licence file)	
		WebLM Home	Application Enablement (CTT) - Rele	ase, 10 - 3.	10. 10505000(Enterprise incense inter	
		Install license	You are here: Licensed Products > Application_Er	ablement > Vie	ew by Feature	
		Licensed products	License installed on: June 10, 2022 9:09	9:46 PM -04:	:00	
		APPL_ENAB				
		Application_Enablement	License File Host IDs: V5-E1-B3-74-2B-9E-01			
		View by feature	Feature	Expiration		Currently
		View by local WebLM	(License Keyword)	date	License Capacity	available
		Enterprise configuration	Unified CC API Desktop Edition (VALUE AES AEC UNIFIED CC DESKTOP)	permanent	1000	1000
		Local WebLM Configuration	CVLAN ASAI	nermanent	16	16
		► Usages	(VALUE_AES_CVLAN_ASAI)	permanent	10	10
		Allocations	(VALUE_AES_DMCC_DMC)	permanent	1000	1000
	Periodic status	AES ADVANCED SMALL SWITCH	permanent	3	3	
	APS_CMS_Connectors	DLG				
		APS_CMS_Connectors	(VALUE_AES_DLG)	permanent	16	16
		Configure Centralized Licensing	TSAPI Simultaneous Users (VALUE_AES_TSAPI_USERS)	permanent	1000	1000
		ASBCE	AES ADVANCED LARGE SWITCH	3	3	
		Session_Border_Controller_E_AE	(VALUE_AES_AEC_LARGE_ADVANCED)			
		CCTR	(VALUE_AES_PROPRIETARY_LINKS)	permanent	16	16
		ContactCenter			SmallServerTypes: s8300c;s8300d;icc;premio;tn8400;laptop;CtiSmallServer	
		CMS			MediumServerTypes: ibmx306:ibmx306m:dell1950:xen:hs20:hs20_8832_vm:CtiMediumServer	,
		► CMS			LargeServerTypes: iso2100:ibmx305:dl380o3:dl385o1:dl385o2:upkpown:Ctil argeServer	
		Configure Centralized Licensing			TrustedApplications: IPS_001, BasicUnrestricted, AdvancedUnrestricted, DMCINrestricted, 1XP_001, BasicUnrestricted, AdvancedUnrestricted	
		COMMUNICATION_MANAGER			DMCUnrestricted; 1XM_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; 1XM_001, BasicUnrestricted, AdvancedUnrestricted,	
		Call_Center			DMCUnrestricted; CIE_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; CIE_001, BasicUnrestricted, AdvancedUnrestricted,	
		Communication_Manager			DMCUnrestricted; OSPC_201, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; VP_201, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; VP_201, BasicUnrestricted, DMCUnrestricted; OSI_T1_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; CSI_T2_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; DMCUnrestricted; CCI_EUTE_CALL_CTRL_001, BasicUnrestricted; DMCUnrestricted; CCI_EUTE_CALL_CTRL_001, BasicUnrestricted; DMCUnrestricted; AdvancedUnrestricted, AdvancedUnrestricted; DMCUnrestricted; CCI_EUTE_CALL_CTRL_001, BasicUnrestricted; BasicUnrestricted, AdvancedUnrestricted, AdvancedUnrestricted; BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted; BasicUnrestricted, AdvancedUnrestricted; BasicUnrestricted, AdvancedUnrestricted; BasicUnrestricted; AdvancedUnrestricted; BasicU	
		FE				
		AvayaWorkplace				
		MSR				
		 Media_Server 	Product Notes	permanent		Not
	<	OL	(VALUE_NUTES)		UNIFIED_DESKTOP_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted, AgentEvents; AACC_001, BasicUnrestricted.	counted
		► OL			AdvancedUnrestricted, DMCUnrestricted; CE_AGENT_STATES_001, BasicUnrestricted, AdvancedUnrestricted, DMCUnrestricted, AmentFrents;	
		POM			TP_CLIENT_001, BasicUnrestricted, , , AgentEvents; EXT_CLIENT_001, ,	

6.3. Administer TSAPI Link

Select **AE Services** \rightarrow **TSAPI** \rightarrow **TSAPI Links** from the left pane of the **Management Console**, to administer a TSAPI link. The **TSAPI Links** screen is displayed, as shown below. Click **Add Link**.

AVAYA	Applicatio N	on Enablement Ser Management Console	vices	Welcome: User cust Last login: Fri Oct 27 14:14:39 E.S.T. 2 Number of prior failed login attempts: 1 HostName/IP: aes/10.64.101.239 Server Offer Type: VIRTUAL_APPLIANCI SW Version: 10.1.3.0.0.11-0 Server Date and Time: Mon Oct 30 17: HA Status: Not Configured	023 from 192.168.120.19 E_ON_VMWARE 01:14 EDT 2023
AE Services TSAPI TSAPI AE Services CVLAN	TSAPI Links				Home Help Logout
▶ DLG	Link	Switch Connection	Switch CTI Link #	ASAI Link Version	Security
▶ DMCC	• 1	cm	1	12	Both
▶ SMS	Add Link	lit Link Delete Link		15	
* TSAPI					
 TSAPI Links 					
 TSAPI Properties 					

The **Add TSAPI Links** screen is displayed next. Set the following values for the specified fields and retain the default values for the remaining fields.

- Link: An available link number.
- Switch Connection: The relevant switch connection, in this case "cm."
- Switch CTI Link Number: The CTI link number from Section Error! Reference source not found..
- ASAI Link Version: 12
- Security:

"Encrypted" or "Both" to allow for encrypted connection.

AVAYA	Application Enablement Services Management Console	Welcome: User cust Last login: Fir Oct 27 14:14:39 E.S.T. 2023 from 192.168.120.19 Number of prior failed login attempts: 1 HostName/(IP: ase/10.64.101.239 Server Offer Type: VIRTUAL_APPLIANCE_ON_VMWARE SW Version: 10.1.3.0.0.11-0 Server Date and Time: Mon Oct 30 17:02:41 EDT 2023 HA Status: Not Configured
AE Services TSAPI TSAPI Link	ks	Home Help Logout
AE Services CVLAN DLG DMCC SMS TSAPI TSAPI Links TSAPI Properties TWS Communication Manager	Edit TSAPI Links	
High Availability		

6.4. Configure User

A user was created for Harmony to communicate with AES. Navigate to User Management \rightarrow User Admin \rightarrow Add User.

Fill in User Id, Common Name, Surname, User Password and Confirm Password. Set the CT User to Yes, and Apply.

avaya	Applic	ation Enableme Management Cons	ent Services ^{sole}	Welcome: User cust Last login: Tue Oct 31 13:19:34 E.S.T. 2023 from 192.168.120.35 Number of prior failed login attempts: 0 HostName/IP: aes/10.64.101.239 Server Offer Type: VIRUAL_APPLIANCE_ON_VMWARE SW Version: 10.1.3.0.0.11-0 Server Date and Time: Tue Oct 31 14:15:26 EDT 2023 HA Status: Not Configured
User Management User Admin	List All Users			Home Help Logout
) AE Services Communication Manager Interface	Edit User			
High Availability	* User Id	harmony		
▶ Licensing	* Common Name	harmony		
Maintenance	* Surname	harmony		
▶ Networking	User Password			
Security	Confirm Password			
▶ Status	Admin Note			
▼ Ilser Management	Avaya Role	None 🗸		
	Business Category			
F Service Aufmin	Car License			
Vser Admin	CM Home			
 Add User Change User Decemend 	Css Home	Verte		
List All Users	CT User	res 🗸		
 Modify Default Users 	Display Name			
 Search Users 	Employee Number			

6.5. Administer 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. Make certain that both parameters are unchecked, as shown below.

In the case that the security database is used by the customer with parameters already enabled, then follow **reference** [2] to configure access privileges for the Harmony user from **Section Error! Reference source not found.**

avaya	Application Enablement Services Management Console	Weicome: User cust Last login: Fri Oct 27 14:14:39 E.S.T. 2023 from 192.168.120.19 Number of prior failed login attempts: 1 HostName/IP: aes/10.64.101.239 Server Offer Type: VIRTUAL_APPLIANCE_ON_VMWARE SW Version: 10.1.3.0.0.11-0 Server Date and Time: Mon Oct 30 17:07:15 EDT 2023 HA Status: Not Configured
Security Security Database	Control	Home Help Logout
AE Services		
Communication Manager Interface	SDB Control for DMCC, WTI, TSAPI, JTAPI and Telephony Web Servic	ces
High Availability	Enable SDB for DMCC and WTI Service	
Licensing	Enable SDB for TSAPI Service, JTAPI and Telephony Web Services	
▶ Maintenance	Apply Changes	
▶ Networking		
▼ Security		
Account Management		
▶ Audit		
Certificate Management		
Enterprise Directory		
▶ Host AA		
▶ PAM		
Security Database		
Control		

6.6. Restart Service

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

AVAYA	Application En Manage	ablement Services ment Console	Welcome: User cust Last login: FT Oct 27 14:14:39 E.S.T. 2023 from 192.168.120.19 Number of prior failed login attempts: 1 HostName/IP: aes/10.64.101.239 Server Offer Type: VIRTUAL_APPLIANCE_ON_VMWARE SW Version: 10.1.3.0.0.11-0 Server Date and Time: Mon Oct 30 17:08:27 EDT 2023 HA Status: Not Configured
Maintenance Service Controller	r		Home Help Logout
 AE Services Communication Manager Interface 	Service Controller		
High Availability	Service	Controller Status	
▶ Licensing	ASAI Link Manager	Running	
▼ Maintenance	DMCC Service	Running	
Date Time/NTP Server	CVLAN Service	Running	
Security Database	DLG Service	Running	
Service Controller	Transport Layer Serv	ice Running	
Conver Date	TSAPI Service	Running	
Server Data	U WTI Service	Stopped	
	Note: DMCC Service m	ust be restarted for WTI service changes to t	ake effect.
▹ Security	For status on actual services,	please use Status and Control	
) Status	Start Stop Restart S	ervice Restart AE Server Restart Linux Rest	art Web Server
User Management			
▶ Utilities			
) Help			

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 pertinent Tlink name, to be used later to share with Event Intelligence. In this case, the pertinent Tlink name for encrypted connection is "AVAYA#CM#CSTA-S#AES" as shown below.

AVAYA	Application Enablement Services Management Console	Welcomie: User Cust Last login: Fin Oct 27 14:14:39 E.S.T. 2023 from 192.168.120.19 Number of prior failed login attempts: 1 HostName/[P]: ast/10.64.101.239 Server Offer Type: VIRTUAL_APPLIANCE_ON_VMWARE SW Version: 10.1.3.0.0.11-0 Server Date and Time: Mon Oct 30 17:10:26 EDT 2023 HA Status: Not Configured
Security Security Database T	links	Home Help Logout
 > AE Services > Communication Manager Interface High Availability > Licensing > Maintenance > Networking > Security > Account Management > Audit > Certificate Management Enterprise Directory > Host AA > PAM > Security Database - Control 	Tlinks Tink Name AVAYA#CM#CSTA+SAES @ AVAYA#CM#CSTA-S#AES Delete Tlink	
 CTI Users Devices Device Groups Tlinks 		

7. Configure Harmony

There are multiple OpenMethods components used in the integration with Avaya.

- Harmony Client Browser UI Extension– An Add-In into Oracle Service Cloud. Provides a GUI toolbar for call control functionality.
- **PopFlow** These are Cloud Edge Services that are provided by OM and is utilized with the Oracle API(s). This includes Experience Designer (Workflow editor) and ScreenPop execution engine components.
- **Experience Cloud** Cloud browser application that allows for the configuration of resources to be utilized for the integration with OM with Avaya
- Harmony Integration Server Service that provides CTI connectivity to Avaya and communicates back to Harmony Client Add-In.
- Harmony Queue Adapter Services that communicates with Oracle Service Cloud to detect new Chat and Email requests, and then submits these requests back to Avaya for routing to agents.

7.1. Harmony Client Browser UI Extension

The Harmony Client Browser UI Extension is configured and uploaded into Oracle Service Cloud. The extension allows the client to connect to the correct site in Experience Cloud and utilize the BUI Media Bar for OpenMethods. This is something the integrator would set up in advance for the entire site.

Save Sa Save	we & Close New Refresh Close Actions	Download Details Profile Access Show	Audit Log Profile Access	Apply Restore Update					
>	-🙀 Add-In Manager 🧧 🛛								<
tion	Add-In Manager	(in Details - Edit							Inc
Naviga	Agent Desktop Add-Ins Agent Browser UI Extensions	*Kame Awaya, Compliance_BUI Created 12/6/2022 B02:41 AM Updated 12/19/2022 1:52:17 PM Nates *Extension Type Console *	API Veri 1.0.00 Created By Craig Klepper Updated By Flint Lockwood						idents
		File Name	File Type	File Path	Actions	Init File	Configuration		
		OM_Web_BUI_Client.html	application/html	OM_Web_BUI_Client.html	X				
	Search								
								Logged in as: Craig Klepper 100% 🕤	+

7.1.1. Harmony Client - Agent Settings

For compliance testing, two users were created using the Experience Cloud application to interact with the OpenMethods Configuration Server.

Below is the setup for an Oracle Service Cloud User "ACAgent1", repeat for additional agents. Normally, the "Agents Available to this User" would only associate one ACD Agent ID rather than both as shown below.



⇒	Config Server > Deployments			ljgizzi@avaya.com ▼
P	Avaya_Compliance	Settings User Groups and Users CRM User and CTL	Agent Mappings	
۲۵۴ IIII	CRM Instances	ORACLE_SERVICE_CLOUD > User Groups and Users		ADVANCED USER SEARCH
	Oracle_Service_Cloud v	CRM USER GROUPS		Search CRM User Groups
	T. Consistent DO	User Grou	ip Name 👻	Actions
	Version: 22C		no items	
	+ Add CRM Instance	Total: 0		
	CRM/CTI Mapping	CRM USERS		Q Search CRM Users
	Cracle_Service_Cloud	Username 👻	Full Name 👻	Actions
		ACAgent1	AC Agent 1	
	📲 User Groups	ACAgent2	AC Agent 2	
Need Help	None	Total: 2 Add User Add User Group Import Users	Export Users	Image: Non-State Image: Non-State
		"Bulk Delete Users" will delete all the CRM Users from th download the template csv file.	e list provided in the csv file. Click here to	Bulk Delete Users

7.1.2. Harmony PopFlow – Voice

The Harmony PopFlow Workflow for voice is configured via the OpenMethods Experience Designer.

The PopFlow workflow needs to be configured and mapped to a profile against Oracle Service Cloud. For this certification, we used the "Avaya Compliance Agent" profile and the "Basic Voice Workflow" PopFlow workflow. Here is the PopFlow script published and the profiles that utilize it.

📙 🗋 🔊 🔮	Print 🗣 Download 📑 💼 🗐 💦	<u>_</u> Q, 😱	
Experience Designer			
Ginstances / Oracle_Service	Cloud		🖘 CRM linked account as - admin1 🔞
Events 🕀	Workflows ♀ + ⊥ Sort by name ▼ ↑	Basic Voice Wor	rkflow 🖍 🖉 🕹
Con Ring	Basic Voice Workflow	Description	,
On Answer	No description provided		
On Hold		Profiles	Admin, Avaya Compliance Agent
		Number of Executions	0
Chat Ring		Status	Published
Chat Accept		Created	10/23/2023 2:09 PM
Chat Reject		Constant has	
On Chat End		Created by	
Email Ring		Updated	10/23/2023 2:09 PM
Email Accept		Updated by	
Email Reject			
Email Close			
	Experience Designer rigstances / Oracle_Service_ Events \textcircled{O} TELEPHONY On Ring On Answer On Hold On End CHAT Chat Ring Chat Accept Chat Reject On Chat End Email Ring Email Accept Email Close	Experience Designer	Experience Designer ristances On Ring On Ring On Answer On Hold On End CHAT Chat Ring Chat Reject On At Lend Email Ring Email Ring Email Close

The "Basic Voice Workflow" workflow configuration is below.

n Answer UN-PUBLISH 🗸	LOGGING	
locaing	Initial Activity	
Get contacts data		
Create Incident		
	Then	
Deep Search and Select		
After Load	Get contacts data	
Create Incident		
Create meldent	Single Match	
Filon 'Cancel'	Create Incident 🖍 🌣	
Create Contact		
C On Open	Multiple Match	
	🗛 🔯 Pop Search and Select 🖌 🌶	
	No Match	
	Create Contact	
	ON OPEN	
	+ ADD STEP AFTER COMPLETION	

7.1.3. Harmony PopFlow - Email

The Harmony PopFlow Workflow for email is configured via the OpenMethods Experience Designer.

The PopFlow workflow needs to be configured and mapped to a profile against Oracle Service Cloud. For this certification, we used the "Avaya Compliance Agent" profile and the "Accept Email" PopFlow workflow. Here is the PopFlow script published and the profiles that utilize it.

	Experience Designer					
P	Ginstances / Oracle_Serv	vice_	Cloud			© CRM linked account as - admin1 👔
Ŷ	Events	(+)	Workflows	Q, + ⊥ Sort by name ▼ ↑	Accept Email 🗸	DESIGN 🗘 -
2	C TELEPHONY On Ring On Answer On Hold		Accept Email No description provided	•	Description Profiles	Admin, Avaya Compliance Agent
0 0 0	On End				Number of Executions	0
	Chat Ring				Status	Published
	Chat Accept				Created	10/23/2023 8:38 AM
	On Chat End				Created by	
	Email Ring				Updated	10/23/2023 8:38 AM
z	Email Accept				Updated by	
ed He	Email Reject					
;dis	Email Close					
						Loosed in as Crais Keeper 100% (>

Avaya DevConnect Application Notes ©2023 Avaya LLC All Rights Reserved. The "Email Accept" workflow configuration is below..

Instances / Oracle_Service_Cloud / Accept	imail 00 CRM linked account as - admint. 🕨 Currently Yie	wing: Currently Published 👻 🕕
Email Accept UN-PUBLISH	OPEN INCIDENT	
Email Accept UN AUBLIST Orien Incident Get Incidents data Uogsing OpenMethods.interactionTable data Logging Then Logging Then Mutiple Match No Match	DEFINICIÓN	105
		2 6

7.2. Queue Adapter

Below is the master configuration for the Harmony Queue Adapter that is configured and maintained in Experience Cloud in the Network Hosts section of the site.

	Click to open Depflow								
P	Avaya_Studio, liance	Settings Site Interfaces Chat/E	nail Processors Data Filters/Rules Engine Telepho	ny Platforms					
۴¥ 1	Network Hosts Y	AVAYA-HIS1-QA > AVAYA-HIS1-QA > Processor Type : Avaya Processor	AVAYA-HIS1-QA-AVAYA-HIS1-QA > Telephony Platform	5					
	Avaya-HIS1-QA 🗸	SETTING NAME	CURRENT VALUE						
	Type: Premise	Is Enabled	✓	(j)					
	OS: Windows	Target Name *	AvayaProcessor	(i)					
	+ Add Network Host	Display Name *	Avaya Processor	(i)					
		Server							
		Address To Server *	10.64.101.239	1					
		Port To Server *	4721	(
		Login Name *	harmony	(i)					
z		Login Password *	•••••	(j					
ed Help		Protocol Version *	PROTOCOL_VERSION_6_3_3	(j					
R		Use Secure Sockets		<u>(</u>)					
		Enable Auto Keep Alive		(i)					
		Allow Certificate Name Mismatch		(i)					

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	Processor Type : Avaya Processor		
Avaya-HIS1-QA 🗸	SETTING NAME	CURRENT VALUE	
Type: Premise	Enable Auto Reep Alive		
OS: Windows	Allow Certificate Name Mismatch		
L Add Network Hert	UUI Delimeter *	&	
+ Add Network Host	Avaya Switch Name *	СМ	
💁 Avaya-HIS1-QA	Make Call Timeout *	60000	
	Make Call Response Delay *	500	
	Session		
	Session Name *	OpenMethods-Avaya	
	Session Cleanup Delay *	60	
	Session Duration *	180	
	Queue		
	Queue To VDN Mapping	OMDefaultRoute=60102&Default Chat Queue=60102&Order Support=60103	

ya-HIS1-QA Queue	
Queue To VDN Mapping	OMDefaultRoute=60102&Default Chat Queue=60102&Order Support=60103
Chat	
AWOH Hunt Group Ext Cha	t* 64900
Capacity Retry Delay Chat *	10000
Email	
AWOH Hunt Group Ext Ema	ill • 63900
Capacity Retry Delay Email *	30000

7.2.1. Reason Codes

Using Experience Cloud, configure Aux reason codes which will appear in the Agent toolbar. Note that this solution relies on agents using Auto login, and initially will log agents into aux state. For consistent call center reporting, AUX and ACW codes are mapped to labels in the following interface:

😤 Avaya	Total: 3	AU11			> A 25 ~
+ Add Telephony Platform	2 ACW	Lunch	1	true	
Version: 7.0	1	Meet	ing	true	
	Code	2 -	Name 👻	Selectable -	Actions
Telephony Platforms	AVAYA > Not Ready Reason Cod	les		Q Search Reason	n Codes
Click to open Popflow Avaya_Sompliance	Settings Agent Groups/A	agents Reason Codes Logo	ut Reasons Interaction Disposit	ions Caller Ids Quick Dials	

8. Verification Steps

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

8.1. Verify Avaya Aura® Communication Manager

On Communication Manager, verify 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, as shown below.

```
      status aesvcs cti-link

      AE SERVICES CTI LINK STATUS

      CTI
      Version
      Mnt
      AE Services
      Service
      Msgs

      Link
      Busy
      Server
      State
      Sent
      Rcvd

      1
      12
      no
      aes
      established
      49
      49
```

To verify Harmony is able to monitor the stations correctly, use the **list monitored-station** command. All the stations that are being monitored by Harmony are as shown below:

list monitored-station								
		MOI	NITORED	STATION				
Associations:	1	2	3	4	5	6	7	8
Station Ext	Lnk CRV	Lnk CRV 1	Lnk CRV					
65001 1 00	1 0004 009							

8.2. Verify Avaya Aura® Application Enablement Services

On Application Enablement Services, verify status of the TSAPI service by selecting Status \rightarrow Status and Control \rightarrow TSAPI Service Summary (not shown) from the left pane. The TSAPI Link Details screen is displayed.

Verify that the **Status** is "**Talking**" for the TSAPI link administered in **Section 6**, and that the **Associations** column reflects the number of logged in agents from **Section** Error! Reference source not found..

AVAYA	Application Enablement Services Last login: Fri Oct 27 14:14:39 E.S.T. 20 Management Console Last login: Fri Oct 27 14:114:39 E.S.T. 20 Welcome: User cust Last login: Fri Oct 27 14:114:39 E.S.T. 20 Server Offer Type: VIRTUAL_APPLIANCE Server Offer Type: VIRTUAL_APPLIANCE SW Version: 10.1.3.0.0.11-0 Server Date and Time; Mon Oct 30 17:2 Hastaus: Not Configured Status: Not Configured)23 from 192.168.120.19 :_ON_VMWARE 22:53 EDT 2023			
Status Status and Control TSA	PI Service Summary								Home He	lp Logout
 AE Services Communication Manager Interface High Availability 	TSAPI Link Details	very 60 🗸 second	ds							
 Licensing Maintenance Networking 	Link Switch Name	Switch CTI Link ID	Status	Since	State	Switch Version	Associations	Msgs to Switch	Msgs from Switch	Msgs Period
> Security	I cm	1	Talking	Mon Oct 23 16:03:06 2023	Online	20	0	14	14	30
Alarm Viewer	Online Offline								<u>.</u>	
 Logs Log Manager 	For service-wide informatio	n, choose one of th TLink Status	he following User Stat	us						
▼ Status and Control										
CVLAN Service Summary DLG Services Summary DMCC Service Summary Switch Conn Summary TSAPI Service Summary	у									

8.3. Verify Harmony

To verify the agent can successfully log in from one of the Agent Desktops, launch the Oracle Service Cloud BUI browser window. Log in using appropriate credentials.

Username	
Password	
Login Help	Login



The agent will log in automatically once successfully logged into Oracle Service Cloud.



Once logged in, click on the agent state and make it Available. The following screen shows up.

Place a call to one of the VDNs configured in **Section 5.7.** Once the agent receives the call, answer it. A customer record will pop up in the workspace to the left of the media toolbar.

	ORACL	, E' Service Cloud	~any~	1 Q	ନ ୦ ଘ	☆ ┥	- 🕞 🗭 Unrestrict	ed ~ 🗭 4 × 🗛
₽	9 231102	-000001 ×					Media Bar	×Q
	🖺 Save 📑	Save & Close 📿 Refi	esh 🗋 New 🖨 Print 🗍 Bookmark			:	65881	
	P						00:02:47 HA	NDLING INTERACTION -
	SM		Subject New Workflow	Assigned	OFSC Agent > AC	Ŧ	•••	
	A SP	ACES PRODUCT					Channels(Group_65001)	
			Product [No Value] w Category [No Value] w	Disposition	[No Value]	Ŧ	65001 Handling Interacti	on 00:00:59
	Reference #	231102-000001	Messages Incident Details Previous Incidents Package Tracking - Browser	Co-Browse			Inbound Call	:
	Status *	Unresolved 💌	← Add a Response 🛛 Add Private Note 🔗 Add Customer Entry 🛛 🖓	7 Filter ▼ ț	Newest first 🔻	:	17037030032 17037030032 On Call 28 s	
	Queue	[No Value] 🛛 👻	▼ AC Agent1		AA 🚓 /	×	Email	
	Severity	[No Value] 🔹	X 12 12 ↔ → Font → Size → B I U S	<u>A</u> · Ø · ≡	= = = =		Available 00:01:00	
	Contact *	Contact	◎ ◎ 車 車 X ₂ X ² <i> </i>			_	Chat	
	Email	PSIN-/US : *						
	Address	12121 Grant St 🔺					Have a Submit F	n Idea? eedback 727

9. Conclusion

OpenMethods Harmony 7.1was able to successfully interoperate with Avaya Aura[®] Communication Manager 10.1 and Avaya Aura[®] Application Enablement Services 10.1. All executed test cases were passed.

10. Additional References

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

- **1.** *Administering Avaya Aura*® *Communication Manager*, Release 10.1.x, Issue 6, May 2023, available at <u>http://support.avaya.com</u>.
- **2.** Administering Avaya Aura® Application Enablement Services, Release 10.1.x, Issue 7, May 2023, available at http://support.avaya.com.
- **3.** Administering Avaya Aura® Session Manager, Release 10.1.x, Issue 6, May 2023, available at <u>http://support.avaya.com</u>.

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