

Avaya Solution & Interoperability Test Lab

Application Notes for dvsAnalytics Encore 6.0.5 with Avaya Contact Center Select 7.0 and Avaya IP Office Server Edition 10.0 – Issue 1.1

Abstract

These Application Notes describe the configuration steps required for dvsAnalytics Encore 6.0.5 to interoperate with Avaya Contact Center Select 7.0 and Avaya IP Office Server Edition 10.0. dvsAnalytics Encore is a call recording solution.

In the compliance testing, dvsAnalytics Encore used the Communication Control Toolkit Interface from Avaya Contact Center Select and the TAPI interface from Avaya IP Office to monitor Avaya IP Deskphones associated with Avaya Contact Center Select agents, and used the port mirroring method to capture media from the monitored phones for call recording.

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 2.1**, to ensure that their own use cases are adequately covered by this scope and results.

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

1. Introduction

These Application Notes describe the configuration steps required for dvsAnalytics Encore 6.0.5 to interoperate with Avaya Contact Center Select 7.0 and Avaya IP Office Server Edition 10.0. dvsAnalytics Encore is a call recording solution.

In the compliance testing, dvsAnalytics Encore used the Communication Control Toolkit (CCT) .Net Interface from Avaya Contact Center Select and the TAPI 2 in third party mode interface from Avaya IP Office to monitor Avaya IP Deskphones associated with Avaya Contact Center Select agents, and used the port mirroring method to capture media from the monitored phones for call recording. The TAPI events were used to determine when to start/stop call recordings, and the CCT events were used to obtain contact center information such as skill and agent ID.

The Avaya IP Office Server Edition configuration consisted of two Avaya IP Office systems, a primary Linux server and an expansion IP500V2 that were connected via Small Community Network trunks. In the compliance testing, one dvsAnalytics Encore server was deployed, with CCT connection to the Avaya Contact Center Select server and with TAPI connection to the primary IP Office system.

2. General Test Approach and Test Results

The feature test cases were performed manually. Each call was placed and handled manually with generation of unique audio content for the recording. Necessary agent actions such as hold and reconnect were performed from the agent desktops running the Avaya Agent Desktop application or from the agent phone to test the different call scenarios.

The serviceability test cases were performed manually by disconnecting/reconnecting the Ethernet connection to Encore.

The verification of tests included using the Encore logs for proper message exchanges, and using the Encore web interface for proper logging and playback of the calls.

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

2.1. Interoperability Compliance Testing

The compliance testing included feature and serviceability areas.

The feature testing focused on verifying the following on Encore:

- Handling of CCT events.
- Handling of TAPI events.
- Proper recording, logging, and playback of calls for scenarios involving inbound, outbound, internal, external, hold, reconnect, transfer, conference, multiple calls, multiple agents, call observe, barge-in, emergency, join calls, and outbound campaign.

The serviceability testing focused on verifying the ability of Encore to recover from adverse conditions, such as disconnecting/reconnecting the Ethernet connection to Encore.

2.2. Test Results

All test cases were executed and verified.

2.3. Support

Technical support on dvsAnalytics Encore can be obtained through the following:

- **Phone:** (800) 910-4564
- Email: <u>Support@dvsAnalytics.com</u>

3. Reference Configuration

The detailed administration of basic connectivity between Contact Center Select, IP Office, and of contact center devices is not the focus of these Application Notes and will not be described. In addition, the port mirroring of the layer 2 switch is also outside the scope of these Application Notes and will not be described.

As shown in **Figure 1**, the RTP stream for Contact Center Select agents with Avaya IP Deskphones were mirrored and replicated over to Encore. Two of the phone extensions were on the primary IP Office and two on the expansion IP Office, as shown below.

Device Type	Device Number/Extension					
Primary IP Office						
Phone Extensions	31881, 31882					
Contact Center Select Agent Users	31881, 31882					
Expansi	on IP Office					
Phone Extensions	22031, 22033					
Contact Center Select Agent Users	32882 (hot desking), 32882 (hot desking)					



Figure 1: Compliance Testing Configuration

TLT; Reviewed: SPOC 8/16/2017

Solution & Interoperability Test Lab Application Notes ©2017 Avaya Inc. All Rights Reserved.

4. Equipment and Software Validated

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

Equipment/Software	Release/Version
Avaya Contact Center Select	7.0.0.1
Avaya Aura® Media Server	7.7.0.269
Avaya IP Office Server Edition (Primary) in Virtual Environment	10.0.0.1.0
Avaya IP Office on IP500V2 (Expansion)	10.0.0.1.0
Avaya Agent Desktop on Windows 10 Pro	7.0
Avaya 9620C IP Deskphone (H.323)	3.270B
Avaya 9608, 9611G & 9641G IP Deskphone (H.323)	6.6302
dvsAnalytics Encore on Windows 2008 Server R2 Standard • Encore Web Interface • Database	6.0.5 SP1
 Avaya IP Office TAPI2 Driver (tspi2w_64.tsp) Avaya CCT SDK (Nortel.CCT.dll & Nortel.CCT.WCF.dll) 	1.0.0.43 7.0

Compliance Testing is applicable when the tested solution is deployed with a standalone IP Office 500 V2 and also when deployed with IP Office Server Edition in all configurations.

5. Configure Avaya Contact Center Select

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

- Administer windows account
- Launch CCT Administration
- Administer CCT user

5.1. Administer Windows Account

From the Contact Center Select server, right click on **Start** and select **Computer Management** (not shown), to display the **Computer Management** screen.

Select Computer Management \rightarrow System Tools \rightarrow Local Users and Groups \rightarrow Users from the left pane, to display a list of users in the middle pane.

*			Computer Management	_ _ X
File Action View Help Image: Constraint of the second seco				
Computer Management (Local	Name	Full Name	Description	Actions
⊿ 👔 System Tools	31880	Superv ACCSP	IP Office User account	Users 🔺
 Task Scheduler Task Scheduler Task Scheduler Scheduler Scheduler Local Users and Groups Groups Performance Device Manager Storage Windows Server Backup Disk Management Services and Applications 	 31881 31882 32880 32881 32882 Administrator Guest iceAdmin IUSR_SWC 	Agent1 ACCSP Agent2 ACCSP Superv ACCSE Agent1 ACCSE Agent2 ACCSE iceAdmin IUSR_SWC	IP Office User account IP Office User account IP Office User account IP Office User account Built-in account for administering Built-in account for guest access t Built-in account for Avaya Contac Built-in account for Avaya Contac	More Actions >
< III >				

Right click in the middle pane and select New User (not shown).

The New User screen is displayed. Enter desired values for User name, Full name, Description, Password, and Confirm password.

	New User	?	X
User name:	ncoreUser		
Full name:			
Description:			
Password:	•••••		
Confirm password:	•••••		
User must chang	e password at next logon		
User cannot char	nge password		
	expires		
 Password never e 			
Password never	ed		
Password never Account is disable	ed		
Account is disable	ed		
Password never Account is disable Help	ed	C	lose

Uncheck **User must change password at next logon**, and check **Password never expires**, as shown below.

5.2. Launch CCT Administration

From the Contact Center Select server, access the CCT Administration web interface by using the pertinent URL in an Internet browser window, in this case "https://accs-ccs:8445/WebAdmin". The screen below is displayed.



5.3. Administer CCT User

Right click on **Users** in the left pane, and select **Add new User** (not shown). The **Update CCT User** screen is displayed in the right pane.

For **Login User Name**, enter a user name in the format " $x\y$ ", where "x" is the hostname of the Contact Center Select server, and "y" is the newly created windows account from **Section 5.1**. Enter desired values for **First Name** and **Last Name**.

In the **Agent Assignments** sub-section, check the relevant agent users from **Section 3** in the left column, and use the arrow icon to move selected agents to the right. In the compliance testing, four agents were assigned, as shown below.

AVAYA		CCT Admi	nistra	tion		Logged in as Local User			
C O	Update CCT	User							
- Users	S User Details								
Workstations	Login User Name	accs-ccs\EncoreUser							
Groups Providers	First Name	Recorder							
- Howards	Last Name	Encore							
	💿 Address Assig	gnments							
	Terminal Assi	gnments							
	Terminal Group Assignments								
	Address Group Assignments								
	Agent Assignment	nents							
	Annala an Tabla								
	Agents available	9		Agents maj	a				
		Agents			Agents				
		31880			31881				
		32880	0		31882				
			0		32881				
					32882				
	2 Agents found. Pa	4 > > > > > > > > > >		4 Agents fo	K ())) H und. Page 1 / 1				
	Save								

6. Configure Avaya IP Office

This section provides the procedures for configuring IP Office. The procedures include the following areas:

- Verify license
- Administer security settings
- Obtain phone IP address

6.1. Verify License

From a PC running the IP Office Manager application, select Start \rightarrow All Programs \rightarrow IP Office \rightarrow Manager to launch the application. Select the primary IP Office system, and log in using the appropriate credentials. The Avaya IP Office Manager for Server Edition IPO2-IPOSE screen is displayed, where IPO2-IPOSE is the name of the primary IP Office system.

From the configuration tree in the left pane, select the primary IP Office system, followed by **License** to display licenses in the right pane. Verify that there is a license for **CTI Link Pro**, and with license **Status** being "Valid", as shown below.

🕐 Avaya IP Office Manager for Server Ed	dition IPO2-IPOSE [10.0.0.1.0 build 53]					×
File Edit View Tools Help						
IPO2-IPOSE - License	•	- 🛙 🚨 🖻	- 🔙 🖪 🔝	🖿 📐 🖌 🌽 🖬		
Configuration				<u>e</u> * - •	≫ ✓ <	>
IPO2-IPOSE	License Remote Server					
	PLDS File Status Valid					*
🕀 🖘 Control Unit (8)						
⊕…≪ Extension (7) ⊕…⊈ User (7)	Feature	Instances	Status	Expiration Date	Source	٦
🕀 🎇 Group (10)	Avaya Mac Softphone	1000	Valid	Never	PLDS Nodal	
🗈 🥬 Short Code (57)	Avaya Softphone Licence	1000	Valid	Never	PLDS Nodal	
Service (0)	Basic User	1000	Obsolete	Never	PLDS Nodal	
Directory (0)	CTI Link Pro	2	Valid	Never	PLDS Nodal	
······································	Devlink3 External Recorder	1	Valid	Never	PLDS Nodal	
🐵 🚹 IP Route (1)	IP500 Universal PRI (Additional cha	100	Obsolete	Never	PLDS Nodal	
Account Code (0)	IPSec Tunnelling	1	Obsolete	Never	PLDS Nodal	
License (22)	Office Worker	1000	Valid	Never	PLDS Nodal	
ARS (2)	Power User	1000	Valid	Never	PLDS Nodal	
\oplus Location (2)	Receptionist	10	Valid	Never	PLDS Nodal	E
🔤 🥁 Authorization Code (0)	Server Edition R10	150	Valid	Never	PLDS Nodal	

6.2. Administer Security Settings

From the configuration tree in the left pane, select the primary IP Office system, followed by **File** \rightarrow **Advanced** \rightarrow **Security Settings** from the top menu.

The Avaya IP Office Manager for Server Edition – Security Administration - IPO2-IPOSE screen is displayed, where IPO2-IPOSE is the name of the primary IP Office system. Select Security \rightarrow System to display the System screen in the right pane. Select the Unsecured Interfaces tab, and check TAPI/DevLink3 as shown below.

🐮 Avaya IP Office Manager for Server	r Edition - Security Administrati	on - IP	02-IPOSE (10.0.0.1.0 build 53)
File Edit View Help			
	1		
Security Settings	System: IP02-IP0	SE	
Security	System Details Unsecured Inte	rfaces	Certificates
General Surter (1)	Voicemail Password	*******	Change 🔥
⊕ ∰ Services (7) ⊕ ∰ Rights Groups (15)	Monitor Password	******	Change Use Service User Credentials
🗄 🏠 Service Users (7)	Application Controls		
	TFTP Server V1	Prog Devl	am Code ♥ 1 API/DevLink3 ♥ 1 .ink ♥ 1 HTTP Directory Read ♥ 1
	TFTP Voicemail 🛛 🚺		HTTP Directory Write 🗹 🚹
	Application Support		
	Application	Activ	e Limitations
	Legacy Voicemail	~	
	Voicemail Lite	~	
	Upgrade wizard	1	
	TAPI	~	
	one-X Portal Client	~	
	IP Office Directory Services	1	
	DevLink	1	
	IP DECT	#	Cannot view any Directory entries
	Network Viewer	1	

6.3. Obtain Phone IP Address

From a PC running the IP Office Monitor application, select Start \rightarrow Programs \rightarrow IP Office \rightarrow Monitor to launch the application and connect to the primary IP Office. The Avaya IP Office SysMonitor screen is displayed, as shown below. Select Status \rightarrow H323 Phone Status from the top menu.

📵 Avaya IP Office SysMonitor - Monitoring 10.64.101.234 (IPO2-IPOSE (Server Edition(P))); Log Settings - C:\Users\\sysmonitorsettings.i 👝 💷	×
File Edit View Filters Status Help	
****** SysMonitor v10.0.0.1.0 build 53 **********	Â
*********** contact made with 10.64.101.234 at 08:51:23 12/12/2016 **********	Ш
********** System (10.64.101.234) has been up and running for 6days, 19hrs, 20mins and 46secs(588046867mS) *********	**
********** Warning: TEXT File Logging selected **********	
	Ŧ
	▶ lat

The **IPPhoneStatus** screen is displayed. Make a note of the IP address associated with each phone extension used by Contact Center Select agents on the primary IP Office from **Section 3**, which will be used later to configure Encore.

In the compliance testing, the two phone extensions on the primary IP Office used by Contact Center Select agents were "31881" and "31882", with IP addresses "192.168.200.104" and "192.168.200.137" respectively.

Total Config	gured: 12				Waiting	g 3 secs for update						
Total Regis	tered: 3		Re	gistered Status								
Extn Num	User Num	Phone Type	Licensed	Security	Behind NAT	IP Address	Transport	Privat	Mac	Version Id	EP identifier	9
21031	21031	Unknown	No Licence	disable		0.0.0.0			2c-f4	V?	EP?	F
21032		Unknown	No Licence	disable		0.0.0.0			00-00	V?	EP?	F
21033	21033	Unknown	No Licence	disable		0.0.0.0			70-38	V?	EP?	F
21034		Unknown	No Licence	disable		0.0.0.0			00-00	V?	EP?	F
21035	21035	Unknown	No Licence	disable		0.0.0.0			ь4-ь0	V?	EP?	F
31880	31880	9641	Avaya IP	best effort		192.168.200.186	TCP		Ь4-Ь0	6.6302	IP02-IP0SE_58	F
31881	31881	9608	Avaya IP	best effort		192.168.200.104	TCP	-11	2c-f4	6.6302	IP02-IPOSE_58	F
31882	31882	9611	Avaya IP	best effort	0	192.168.200.137	TCP		70-38	6.6302	IP02-IP0SE 58	E
32880	32880	Unknown	No Licence	disable		0.0.0.0			00-00	V?	EP?	F
32881		Unknown	No Licence	disable		0.0.0.0			00-00	V?	EP?	F
32882	32882	Unknown	No Licence	disable		0.0.0.0			00-00	V?	EP?	F
21036		Unknown	No Licence	disable		0.0.0.0			00-00	٧?	EP?	F
1			III									+
2.1.1.2						530 33	42.12		S			

Repeat this section to obtain IP address associated with each phone extension used by Contact Center Select agents on the expansion IP Office from **Section 3**.

In the compliance testing, the two phone extensions on the expansion IP Office used by Contact Center Select agents were "22031" and "22033", with IP addresses "192.168.200.143" and "192.168.200.114" respectively.

Note that Contact Center Select requires all agent users to be configured on the primary IP Office system, and for agents using physical phone extensions on the expansion IP Office system to log into agent users on the primary IP Office via hot desking.

IPPho	neStatus									1 <u>444</u> 3		X
Total Confi Total Regis	gured: 5 stered: 3		Re	gistered Status	Waiting	g 0 secs for update	_					
Extn Num	User Num	Phone Type	Licensed	Security	Behind NAT	IP Address	Transport	Privat	Mac	Version Id	EP identifie	er 🛛
22031	32881	9620	Avaya IP	disable	- C	192.168.200.143	TCP	25	00-1b	3.270B	IP02-IP500	JV2
22032	22032	Unknown	No Licence	disable		0.0.0.0		- i	00-00	V?	EP?	
22033	32882	9611	Avaya IP	best effort		192.168.200.114	TCP		70-38	6.6302	IP02-IP500	JV2
22034	22034	Unknown	No Licence	disable		0.0.0.0			00-00	V?	EP?) () () () () () () () () () () () () ()
22035	22035	9641	Avaya IP	best effort		192.168.200.163	TCP		Ь4-Ь0	6.6302	IP02-IP500	JV2
Display O	ptions			-10	*I	D D D		L. Di	1 .			

7. Configure dvsAnalytics Encore

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

- Administer TAPI driver
- Administer agent stations
- Administer CTISetup
- Administer CT Gateway

The configuration of Encore is performed by dvsAnalytics installers and dealers. The procedural steps are presented in these Application Notes for informational purposes.

7.1. Administer TAPI Driver

From the Encore server, select Start \rightarrow Control Panel, and click on the Phone and Modem icon (not shown below). In the displayed Phone and Modem Options screen, select the Advanced tab. Select the Avaya IP Office TAPI2 Service Provider entry, and click Configure.



The **Avaya TAPI2 configuration** screen is displayed. For **Switch IP Address**, enter the IP address of the primary IP Office system. Select the radio button for **Third Party**, and enter the password of the primary IP Office system into the **Switch Password** field. Reboot the Encore server.

aya TAPI2 configu	ration	
Switch IP Address	10.64.101.234	OK
1		Cancel
🔍 Single User		3
Liner Name		
User Mame 1		
User Password		
Third Party		
Switch Password	*****	
	Ex Directory Users	
	WAV Users	

7.2. Administer Agent Stations

From the Encore server, navigate to the **D:\EncData\Config\VoIP** directory to edit the **Voip.ini** file shown below.

🕌 VoIP					_ 🗆 🗙
Compu	uter 👻 EncData (D:) 👻 EncData 👻 Config 👻 VoIP 👻	▼ (Search VoIP		2
File Edit View Tools	Help				
Organize 🔻 🧾 Open	✓ Print Burn New folder				
📕 dvs	Name *	Date modified	Туре	Size	
i Encore (64Bit)	Drig 🔋	10/9/2013 4:20 PM	File folder		
詞 Libraries	Stations - Copy.txt	11/14/2016 4:32 PM	Text Document	8 KB	
Documents	Stations.txt	12/6/2016 10:30 AM	Text Document	2 KB	
🎝 Music	Stations-VOIP-Sample.txt	1/16/2012 3:22 PM	Text Document	2 KB	
Pictures	💭 Voip.ini	12/6/2016 10:36 AM	Configuration settings	3 KB	
Videos	🗿 VOIP-Sample.ini	11/29/2012 1:53 PM	Configuration settings	3 KB	
p Computer 실 Local Disk (C:)	•				
Voip.ini Configuration	Date modified: 12/6/2016 10:36 AM Date c settings Size: 2.57 KB	reated: 10/9/2013 3:43 F	PM		

Scroll down to the **VoIP1** sub-section. For **NetOfInterest** and **MaskOfInterest**, enter the applicable subnet used by the Contact Center Select agent phones from **Section 6.3**.

📕 Yoip.ini - Notepad	_ 🗆 X
File Edit Format View Help	
; AllowOddRTPPorts: This flag defaults to No which means all RTP packets must ; originate from an even numbered port. If you can see packets with WireShark, but ; you can't collect audio, check if the UDP port # is ever odd. If it is, set to Yes AllowOddRTPPorts = No	•
<pre>[VoIP1] ; NetId: This address must match the ip address of the server's NIC that collects ; audio packets. NetId=169.254.42.42 ; NetofInterest and MaskOfInterest: used to define what subnet(s) of packets the AudioServer ; should be checking. Example: if a phone's IP address is 192.168.1.101, then the correct ; setting might be: NetofInterest=192.168.1.0 and MaskOfInterest=255.255.255.0 ; More than one NetofInterest can be assigned to a single NIC (up to 10 total). ; Use NetofInterest1 and MaskOfInterest1, etc. (digit 1 - 9). ; SPECIAL CASE: If there are packets being directed from a number of different subnets ; and defining the separate subnets is too difficult, then set the NetofInterest=0.0.0 ; and the mask of interest to 255.255.255. In that case, any defined station will ; have its data collected, regardless of its subnet. ("Defined Station" in stations.txt). NetofInterest=255.255.255.0 </pre>	
	× //

From the same directory, edit the **Stations.txt** file shown below.

🕌 YoIP					_ 🗆 🗙
G 🖓 - Compu	ter 👻 EncData (D:) 👻 EncData 👻 Config 👻 VoIP 👻	▼ [Search VoIP		2
File Edit View Tools	Help				
Organize 🔻 🧾 Open	▼ Print Burn New folder				
🍌 dvs	Name A	Date modified	Туре	Size	
📕 Encore (64Bit)	🔑 Orig	10/9/2013 4:20 PM	File folder		
詞 Libraries	Stations - Copy.txt	11/14/2016 4:32 PM	Text Document	8 KB	
Documents	Stations.txt	12/6/2016 10:30 AM	Text Document	2 KB	
🎝 Music	Stations-VOIP-Sample.txt	1/16/2012 3:22 PM	Text Document	2 KB	
Pictures	📰 Voip.ini	12/12/2016 2:16 PM	Configuration settings	3 KB	
Videos	VOIP-Sample.ini	11/29/2012 1:53 PM	Configuration settings	3 KB	
I토 Computer	-				
Stations.txt Text Documer	Date modified: 12/6/2016 10:30 AM Date created: ht Size: 1.19 KB	10/9/2013 3:43 PM			

Enter a line for each phone extension used by Contact Center Select agents from **Section 6.3**. Use the format "x,y,z", where "x" is the phone extension, "y" is the phone IP address, and "z" is "True". This will enable monitoring for the phone extensions used by the agents.

📕 Stations.txt - Notepad	- O ×
File Edit Format View Help	
; DO NOT REMOVE THESE COMMENTS ! (the records that start with a semicolon). ; This file is used by Cisco_AudioServer or VoIP_AudioServer ; to determine the "stations of interest", ; that is, the stations to be recorded. Because stations can be moved from one ; network segment to another (with different subnet addresses), it can be ; somewhat problematic to keep track of where a station is. Part of the ; technique we will now use is to map a station to its MAC or IP address. Each ; Audio Server will need to know which LAN subnet(s) it is recording.	A
<pre>Since ports can move around, there will NOT be a permanent Station-to-Port relationship. A "logical port" will not be assigned until we have actual data for a desired station. For station to MAC address map, set AddressType = MAC For station to IP address map, set AddressType = IP4 sample entries station to MAC address Station to MAC address Pecording Enabled</pre>	
; StationID, MAC Address, Recording Enabled ;AddressType = MAC ;5201, 00.00.29.0B.D9.30, True ; StationID, IP Address, Recording Enabled AddressType = IP4 31881,192.168.200.104,True 31882,192.168.200.137,True 22031,192.168.200.143,True 22033,192.168.200.114,True	
I.	▼ ▶//

7.3. Administer CTISetup

Navigate to the **D:\EncData\Config\CTGateway** directory to edit the **CTISetup-AvayaIPOfficeTAPI.ini** file.

📔 CTGateway					_ 🗆 🗙
G 🖓 🗸 - Compu	iter 👻 EncData (D:) 👻 EncData 👻 Config 👻 CTGateway 👻	▼ [😚 🛛 Search CTGateway	,	2
File Edit View Tools	Help				
Organize 👻 🧾 Open	▼ Print Burn New folder			-	
	Name *	Date modified	Туре	Size	
 Libraries Documents Music Pictures 	AGG Bak CTISetup - Copy.ini	3/11/2015 10:29 AM 12/19/2013 10:22 AM 10/29/2014 1:45 PM	File folder File folder Configuration settings	49 KB	
Computer	CTISetup-VoIP.ini	12/5/2016 12:57 PM 12/6/2016 10:41 AM	Configuration settings	49 KB 63 KB	
CTISetup-A Configuration	vayaIPOfficeTAPI.ini Date modified: 12/5/2016 12:57 PM settings Size: 48.7 KB	Date created: 5/1	17/2016 3:14 PM		

Scroll down to the **Encore ECAPI** sub-section. Under **ECAPI1**, make certain all parameters are set to the default values shown below.



Scroll to the **Agents** sub-section. For each phone extension from **Section 7.2**, create a set of entries shown below. In this case, **ID** "31881" and "31882" corresponded to the two phone extensions on the primary IP Office, and "22031" and "22033" corresponded to the two phone extensions on the expansion IP Office. Set **EncoreUnit** to "1", and set **EncorePort** to the same phone extension value.



7.4. Administer CT Gateway

Click on the CT Gateway icon from the system tray, as shown below.



The **CTISetup-AvayaIPOfficeTAPI.ini** screen is displayed. Select **PBX** \rightarrow **Configure** from the top menu.



The **PBX interface setup** screen is displayed. Enter the following values for the specified fields, and retain the default values for the remaining fields.

- CCT Server name / IP address: IP address of Contact Center Select server.
- User ID:

The Encore user credential from **Section 5.3**.

• User password:

The Encore user credential from Section 5.3. The Encore user credential from Section 5.3.

• Confirm user password:

interface setup	?
Debug logging level 9	Add memo to log file
ACCS Communication Control ToolK	it (CCT) Server
*CCT Server name / IP address:	10.64.101.232
*CCT Server IP Port	29373
*User ID:	EncoreUser
*User domain:	
*User password:	*****
Confim user password	*****
*Campus Alternate Server:	,
*Geographic Alternate Server:	
Encore ACCS Bridge Windows servi	се
*Server name / IP address:	127.0.0.1
*Server IP Port	1567
Requires restart of CTG ateway	
OK	Cancel

8. Verification Steps

This section provides the tests that can be performed to verify proper configuration of Contact Center Select, IP Office and Encore.

Log an agent in to handle and complete a Contact Center Select voice call using a phone extension on the primary IP Office. Access the Encore web interface by using the URL "http://ip-address/encore" in an Internet Explorer browser window, where "ip-address" is the IP address of the Encore server. The **encore** screen is displayed. Click **Login** and log in using the appropriate credentials.



The **encore** screen below is displayed. Select the **Recorded Contacts** icon from the top menu, as shown below.

encore 🙆 🔛 💰 😤 💱	Welcome A Administrator 12/20/2016 🚳 🦹 🖗
My View	L> D> D> D
Assignment List - Outbox	• 2
O Received Assignments O Sent Assignments O My Completed Assignments	
Status τ Priority τ Type τ Assignment τ Due Date τ Duration τ Comment τ To τ Assigned Date τ	

The encore screen is updated with a list of call recordings. Verify that there is an entry in the right pane reflecting the last call, with proper values in the relevant fields. In this case, **Device** Name contained the phone extension "31881" used by the answering Contact Center Select agent on the primary IP Office. ACD Number, Skillset, Agent Login ID, and Recorded Party Name are parameters with values obtained from the Contact Center Select CCT events.

Right click on the entry and select **Play** to listen to the playback. Verify that the call recording is played back.

encore 🧉			6	8					Welcome A	Administrator	12/20/2016
Libraries System Library	Library	: System	Playlist: <no< td=""><td>one> Items: 1</td><td>Selected Iten</td><td>ns: 1</td><td></td><td></td><td>4 🗗 🛃 🕼</td><td></td><td>×20</td></no<>	one> Items: 1	Selected Iten	ns: 1			4 🗗 🛃 🕼		×20
🔛 Public Library 🔝 Group Library	Date	016 10:33:2	T Duratio	on T Device Nam	e T ANI T 9089532103	Call Direction	ACD Number T	Skillset Skill1	T Agent Login ID T	Recorded Party Agent1 ACCSP	/ Name 📥
 Shared Playlists My Playlists All Shared Playlists All Member Playlists 											•
Streaming Player: 01214245.vx8 Position: 0:00:11.560 Recording Le Video Unavailable	ngth: 0:01:1	7.702 Relat	ted Calls:0	14 - 41 - 41 - 5 11	\$~~ {} \$ \$\$\$\$\$						▼ _ ×

Repeat the verification with a Contact Center Select voice call answered by an agent using a phone extension on the expansion IP Office.

encore (Û	**	6	8	3					Welcon	ne A Administrator 12/20/20
∡ I Libraries System Library		Library: System	Playlist	: <none></none>	Items: 2	Selected Iter	ns: 1			40 🗗 🔒	
Public Library	8	Date	T D	Duration T	Device Name T	ΑΝΙ Τ	Call Direction	T ACD Number T	Skillset	T Agent Login I	D T Recorded Party Name
Group Library	-	12/20/2016 10:42:10 12/20/2016 10:33:20	6 AM 9 AM	00:01:17	22031 31881	7328883834 9089532103	Incoming Incoming	33001 33001	Skill1 Skill1	32881 31881	Agent1 ACCSE Agent1 ACCSP
My Playlists All Shared Playlists All Member Playlists		4									
aming Player: 01Z14246.vx8 tion: 0:00:24.880 Recording	Lengt	h: 0:01:17.402 Relati	ed Calls	::0						*#1+# =={&======	
Video Unavailable	1	0								0	

9. Conclusion

These Application Notes describe the configuration steps required for dvsAnalytics Encore 6.0.5 to successfully interoperate with Avaya Contact Center Select 7.0 and Avaya IP Office Server Edition 10.0. All feature and serviceability test cases were completed.

10. Additional References

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

- **1.** *Administering Avaya IP Office*[™] *Platform with Manager*, Release 10.0, September 2016, available at <u>http://support.avaya.com</u>.
- **2.** Avaya IP Office TAPI and ACCS Installation Addendum, Version 6.0.4, June 30, 2016, available from dvsAnalaytics Support.
- **3.** Avaya IP Office TAPI and ACCS Integration Guide, Version 6.0.4, June 30, 2016, available from dvsAnalaytics Support.

©2017 Avaya Inc. All Rights Reserved.

Avaya and the Avaya Logo are trademarks of Avaya Inc. All trademarks identified by \mathbb{R} and TM are registered trademarks or trademarks, respectively, of Avaya Inc. All other trademarks are the property of their respective owners. The information provided in these Application Notes is subject to change without notice. The configurations, technical data, and recommendations provided in these Application Notes are believed to be accurate and dependable, but are presented without express or implied warranty. Users are responsible for their application of any products specified in these Application Notes.

Please e-mail any questions or comments pertaining to these Application Notes along with the full title name and filename, located in the lower right corner, directly to the Avaya DevConnect Program at <u>devconnect@avaya.com</u>.