

## Avaya Solution & Interoperability Test Lab

Application Notes for Configuring Retia ReDat eXperience with Avaya Aura® Communication Manager and Avaya Aura® Application Enablement Services using Single Step Conference (SSC) and Selective Listening Hold (SLH) - Issue 1.0

#### **Abstract**

These Application Notes describe the configuration steps for provisioning Retia ReDat eXperience with Avaya Aura® Communication Manager and Avaya Aura® Application Enablement Services Using Single Step Conference and Selective Listening Hold.

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 used to enable the Retia ReDat eXperience to interoperate with Avaya Aura® Communication Manager and Avaya Aura® Application Enablement Services. The Retia ReDat eXperience offers various methods of voice recording. For the purpose of the tests described by these Application Notes, the Single Step Conference recording method was used. Two virtual extensions (recorders) are added to the call and SLH is applied to obtain separate outbound and inbound voices. The call record is then saved in the stereo format. ReDat Retia eXperience can be configured to monitor specific local endpoints, and record calls made to or from those endpoints. Calls between or among local endpoints which are each monitored produce multiple voice files: one for each monitored endpoint.

# 2. General Test Approach and Test results

The compliance testing done between Retia ReDat eXperience (ReDat) and Avaya Aura® Communication Manager (Communication Manager) was performed manually. The tests were all functional in nature, and no performance testing was done. The test method employed can be described as follows:

- The Communication Manager was configured to support various local IP telephones, as well as a connection to the PSTN
- An E1 PSTN interface was attached to Communication Manager via an Avaya G430 Gateway
- The ReDat was configured to monitor various telephones attached to Communication Manager
- The major ReDat features and functions were verified using the above-mentioned local and external telephones, including the ability to record calls made to and from:
  - Locally attached IP and digital telephones
  - o Trunk calls to/from the PSTN via the E1 trunk
  - o Trunk calls to/from the PSTN via a SIP Trunk

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 the ReDat eXperience did not include use of any specific encryption features as requested by Retia.

## 2.1. Interoperability Compliance Testing

The following tests were performed as part of the compliance testing:

- Basic call
- Hold/ Resume
- Consultative transfer/Blind transfer
- Conferencing
- Hunt group calls
- Calls to/from bridged appearances
- ReDat's robustness was tested by verifying its ability to recover from interruptions to its external connections including:
  - o The LAN connection between ReDat and the network
  - The connection of the PBX to the network
- ReDat's robustness was further tested by verifying its ability to recover from power interruptions to the ReDat server

#### 2.2. Test Results

Tests were performed to insure interoperability of Retia ReDat eXperience with Avaya Aura® Communication Manager and Avaya Aura® Application Enablement Services (Application Enablement Services). All the test cases passed successfully.

## 2.3. Support

Technical support can be obtained for Retia products as follows:

Web: http://www.redat.eu/en/

## 3. Reference Configuration

**Figure 1** illustrates the network configuration used during compliance testing. The Avaya solution consists of a Communication Manager, System Manager, Session Manager, Application Enablement Services, Avaya Media Server and an Avaya G430 Media Gateway. The Communication Manager is configured to communicate with the ReDat server via the Application Enablement Services. ReDat records voice conversations from telephones attached to the Communication Manager. The TSAPI and DMCC services provided by Application Enablement Services are used to monitor call activity and capture voice streams associated with telephones attached to the Communication Manager.

When a call is to be recorded, the ReDat system uses the Single Step Conference feature to initiate monitoring for calls which it wishes to record. The voice streams (two streams for each call if stereo recording is enabled) for such calls are received via the LAN interface to the Communication Manager. The ReDat Client is configured to allow users to replay the recorded calls which are stored on the ReDat experience Server.

**Note:** There are no distinctive requirements for stations to be used by ReDat eXperience.

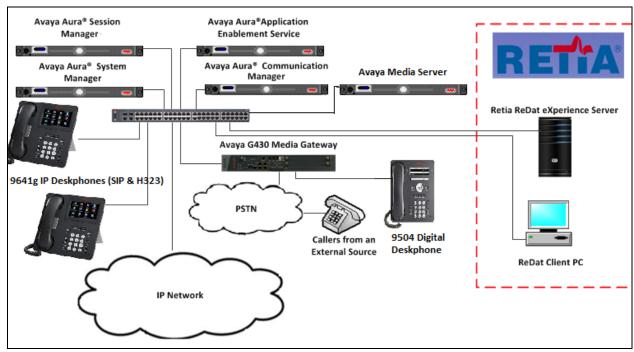


Figure 1: Avaya and Retia Reference Configuration

# 4. Equipment and Software Validated

The hardware and associated software used in the compliance testing is listed below.

Avaya Equipment	Software Version
Avaya Aura® Communication	R7.1.2
Manager VMware Virtual machine	CM 7.1.2.0.0.532.24184
	KERNEL-3.10.0-693.e17.AV1
	PLAT-rhe17.2-0010
Avaya G430- Media Gateway	38.21.0/1
Avaya Aura® Application Enablement	R7.1.2.0.0.3-0
Services	
Avaya Media Server	v7.8.0.309
Avaya Aura® System Manager	R7.1.2.0
	Build- 7.1.0.0.1125193
	Update Revision – 7.1.2.0.057353
	Feature Pack 2
Avaya Aura® Session Manager	7.1.2.0.712004
Avaya 9641g IP Telephone H323	6.6604
Avaya 9641g IP Telephone SIP	7.1.0.1.1
Retia Equipment	Software Version
ReDat VoIP Recorder	v2.00 rel.47
ReDat eXperience Server running on	
Windows 2016 Standard	v2.34.2 rel.062
Apache web server	v2.4.25
PHP	v5.6.30
MS SQL	SQL Server 2014
Java	Java 8 update 144

# 5. Configure Avaya Aura® Communication Manager

The configuration and verification operations illustrated in this section were all performed using Communication Manager System Administration Terminal (SAT). The information provided in this section describes the configuration of Communication Manager for this solution. For all other provisioning information such as initial installation and configuration, please refer to the product documentation as referenced in **Section 10**. The configuration operations described in this section can be summarized as follows:

- Verify System Parameters Customer Options
- Verify System Parameters Features
- Configure Service Observe
- Configure Target Stations to be Recorded
- Configure Station Button Assignments
- Configure virtual extensions for the recording pool
- Configure the Interface to AES

## 5.1. Verify System Parameters Customer Options

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

```
display system-parameters customer-options
                                                               Page
                                                                      3 of 11
                                 OPTIONAL FEATURES
       reviated Dialing Enhanced List: y
Access Security Gateway (ASG)? n
Trunk Incoming Call ID? n
Chart at 01? n
                                          Audible Message Waiting? n
    Abbreviated Dialing Enhanced List? y
                                                    Authorization Codes? n
                                                                 CAS Branch? n
A/D Grp/Sys List Dialing Start at 01? n
                                                                    CAS Main? n
Answer Supervision by Call Classifier? n
                                                          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? v
                                                                DCS (Basic)? v
          ASAI Link Core Capabilities? y
                                                         DCS Call Coverage? n
          ASAI Link Plus Capabilities? y
                                                         DCS with Rerouting? n
       Async. Transfer Mode (ATM) PNC? n
 Async. Transfer Mode (ATM) Trunking? n Digital Loss Plan Modification? n
              ATM WAN Spare Processor? n
                                                                     DS1 MSP? y
                                                    DS1 Echo Cancellation? y
                                 ATMS? n
                  Attendant Vectoring? y
        (NOTE: You must logoff & login to effect the permission changes.)
```

## 5.2. Verify System Parameters Features

On Page 11 of the system-parameters features form, set Allow Two Observers in Same Call? to y.

```
change system-parameters features
                                                         Page 11 of 18
                       FEATURE-RELATED SYSTEM PARAMETERS
CALL CENTER SYSTEM PARAMETERS
 EAS
        Expert Agent Selection (EAS) Enabled? y
       Minimum Agent-LoginID Password Length:
         Direct Agent Announcement Extension:
                                                                Delay:
   Message Waiting Lamp Indicates Status For: station
 VECTORING
                   Converse First Data Delay: 0 Second Data Delay: 2
              Converse Signaling Tone (msec): 100
                                                     Pause (msec): 70
   Reverse Star/Pound Digit For Collect Step? n
  Store VDN Name in Station's Local Call Log? n
 SERVICE OBSERVING
             Service Observing: Warning Tone? y or Conference Tone? n
    Service Observing Allowed with Exclusion? n
            Allow Two Observers in Same Call? y
```

## 5.3. Configure Service Observe

For the purposes of Multi Registration, service observe must be enabled for the COR to which the Target Stations will be assigned. Using the command **change cor 1** set both **Can Be Service Observed?** and **Can Be A Service Observer?** to y.

```
change cor 1
                                                                          Page 1 of 23
                                    CLASS OF RESTRICTION
                  COR Number: 1
            COR Description: Default
                          FRL: 0
                                                                        APLT? y
Can Be Service Observed? y
Can Be A Service Observer? y
Time of Day Chart: 1
Priority Queuing? n

Calling Party Restriction: none
Called Party Restriction: none
Direct Agent Calling? y
      Priority Queuing? n Direct Agent Calling? y
Restriction Override: all Facility Access Trunk Test? n
      Restricted Call List? n
                                                      Can Change Coverage? n
              Access to MCT? y
                                               Fully Restricted Service? n
Group II Category For MFC: 7
                                              Hear VDN of Origin Annc.? y
          Send ANI for MFE? n
                                                Add/Remove Agent Skills? n
              MF ANI Prefix:
                                               Automatic Charge Display? n
Hear System Music on Hold? y PASTE (Display PBX Data on Phone)? y
                            Can Be Picked Up By Directed Call Pickup? y
                                           Can Use Directed Call Pickup? y
                                           Group Controlled Restriction: inactive
```

#### On Page 2 set **Service Observing by Recording Device** to **y**.

```
change cor 1
                                                                      2 of
                                                                            23
                                                               Page
                              CLASS OF RESTRICTION
                     MF Incoming Call Trace? n
               Brasil Collect Call Blocking? n
                     Block Transfer Display? n
Block Enhanced Conference/Transfer Displays? y
                     Remote Logout of Agent? n
Station Lock COR: 1
                           TODSL Release Interval (hours):
    Station-Button Display of UUI IE Data? n
    Service Observing by Recording Device? y
            Can Force a Work State Change? n
          Work State Change can be Forced? n
            Restrict Seecond Call Consult? n
```

## 5.4. Configure Target Stations to be Recorded

Use the **add station** command to configure a station for each of the target stations to be recorded. Enter in a descriptive **Name** and **Security Code** for each one. The **Security Code** will be referenced by Quantify when setting up the recording extensions. Set the **IP Softphone?** to y.

```
add station 8237001
                                                                      Page 1 of 5
                                         STATION
                                           Lock Messages? n
Security Code:1234
Coverage Path 1:
Coverage Path 2:
Extension: 8237001
                                                                              BCC: 0
     Type: 9404
                                                                                TN: 1
     Port: S00040
                                                                               COR: 1
     Name: Redbox, Digital
                                           Coverage Path 2:
                                                                               cos: 1
                                           Hunt-to Station:
STATION OPTIONS
                                                Time of Day Lock Table:
              Loss Group: 2 Personalized Ringing Pattern: 1
Data Option: none Message Lamp Ext: 4
                                                      Message Lamp Ext: 4000
        Speakerphone: 2-way
Display Language: english
                                                  Mute Button Enabled? y
                                                      Expansion Module? n
           Survivable COR: internal
                                                    Media Complex Ext:
   Survivable Trunk Dest? y
                                                           IP SoftPhone? y
                                                   Remote Office Phone? n
                                                    IP Video Softphone? n
                                 Short/Prefixed Registration Allowed: default
                                                   Customizable Labels? y
```

## On Page 2, ensure that the Multimedia Mode is set to enhanced.

add station 4000		Page	<b>2</b> of	5
	STATI	ON		
FEATURE OPTIONS				
LWC Reception:	spe	Auto Select Any Idle Appe	earance?	n
LWC Activation?	У	Coverage Msg Ret	rieval?	У
LWC Log External Calls?	n	Auto	Answer:	
none				
CDR Privacy?	n	Data Restr	riction?	n
Redirect Notification?	У	Idle Appearance Pref		
Per Button Ring Control?	n	Bridged Idle Line Pref	Terence?	n
Bridged Call Alerting?		Restrict Last Appe	earance?	У
Active Station Ringing:	single			
		EMU Login A		n
H.320 Conversion?		tation CPN - Send Calling		
Service Link Mode:		EC500 State:		
Multimedia Mode:	enhanced	Audible Message V	_	
MWI Served User Type:		Display Client Redir		
AUDIX Name:		Select Last Used Appe		
		Coverage After Forw	_	
		Multimedia Early	Answer?	n
Remote Softphone Emergend	cy Calls: as-on-l	ocal Direct IP-IP Audio		
Connections? y				
Emergency Location Ext:	201 Al	ways Use? n IP Audio Hairp	oinning?	n

## 5.5. Configure Station Button Assignments

Use the **change station** command to configure the button assignments of the stations to be recorded, as required. Add the appropriate button assignments as shown on **Page 4** below. In this case there are three call appearance buttons **call-appr**. There are also buttons assigned for the call functions call-pickup, bridged appearance and call park: **call-pkup**, **brdg-appr**, **call-park**.

```
change station 4000
                                                              Page
                                                                     4 of
                                                                             5
                                      STATION
 SITE DATA
                                                         Headset? n
      Room:
                                                         Speaker? n
      Jack:
                                                        Mounting: d
     Cable:
     Floor:
                                                     Cord Length: 0
                                                       Set Color:
  Building:
ABBREVIATED DIALING
    List1:
                               List2:
                                                          List3:
BUTTON ASSIGNMENTS
                                          5: brdg-appr B:1 E:4001
1: call-appr
2: call-appr
                                          6: call-park
3: call-appr
                                          7:
4: call-pkup
                                          8:
    voice-mail
```

## 5.6. Configure virtual stations for the recording pool

Use the **add station** command to configure a station for each of the virtual stations to be used for the recorder channels. Enter in a descriptive **Name** and **Security Code** for each one. The **Security Code** will be referenced by Quantify when setting up the recording extensions. Set the **IP Softphone?** to y.

```
add station 8230099
                                                                Page
                                                                       1 of
                                      STATION
Extension: 8230099
                                                                        BCC: 0
                                          Lock Messages? n
                                        Security Code:1234
Coverage Path 1:
    Type: 9640
                                                                         TN: 1
     Port: S00040
                                                                         COR: 1
    Name: Redbox, Virtual
                                        Coverage Path 2:
                                                                         cos: 1
                                        Hunt-to Station:
STATION OPTIONS
                                            Time of Day Lock Table:
            Loss Group: 2 Personalized Ringing Pattern: 1
Data Option: none Message Lamp Ext: 4
            Speakerphone: 2-way
                                                  Message Lamp Ext: 4000
                                              Mute Button Enabled? y
        Display Language: english
                                                  Expansion Module? n
          Survivable COR: internal
                                                 Media Complex Ext:
   Survivable Trunk Dest? y
                                                       IP SoftPhone? y
                                               Remote Office Phone? n
                                                IP Video Softphone? n
                               Short/Prefixed Registration Allowed: default
                                               Customizable Labels? y
```

# 5.7. Configure Interface to Avaya Aura® Application Enablement Services

In order for Communication Manager to establish a connection to Application Enablement Services, administer the CTI Link as shown below. Specify an available **Extension** number, set the **Type** as **ADJ-IP**, which denotes that this is a link to an IP connected adjunct, and name the link for easy identification, in this instance, the node-name is used.

```
add cti-link 1

CTI LINK

CTI Link: 1

Extension: 1111

Type: ADJ-IP

COR:

Name: devconaes61
```

Configure IP-Services for the AESVCS service using **change ip-services** command. Using the C-LAN node name as noted above i.e. **procr** 

change ip-s	services				Page 1 of	4
Service Type	Enabled	Local Node	IP SERVICES Local Port	Remote Node	Remote Port	
CDR1 CDR2 AESVCS	У	CLAN CLAN <b>procr</b>	0 0 <b>8765</b>	IPbuffer RDTT	9000 9001	

Navigate to **Page 4**, set the **AE Services Server** node-name and the **Password** the AES Server will use to authenticate with Communication Manager.

change ip-serv		E Services Administra	ation	Page 4 of	4
Server ID	AE Services Server	Password	Enabled	Status	
1:	devconaes61	Avayapassword1	У	in use	

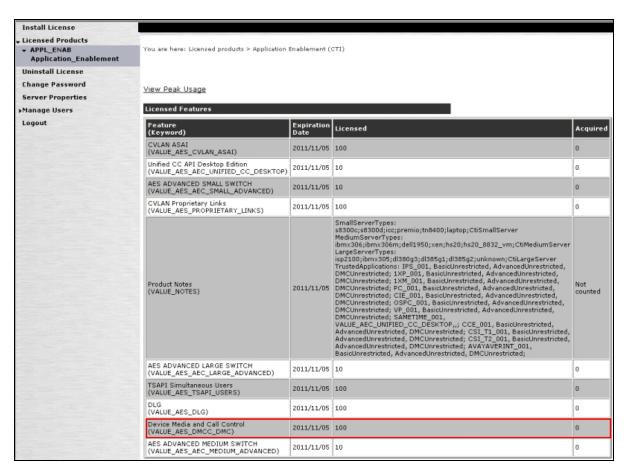
# 6. Configuration of Avaya Aura® Application Enablement Services

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

- Verify Licensing
- Create Switch Connection
- Create TSAPI link
- Create CTI User
- Enable CTI User
- Configure DMCC Port
- Enable Security Database

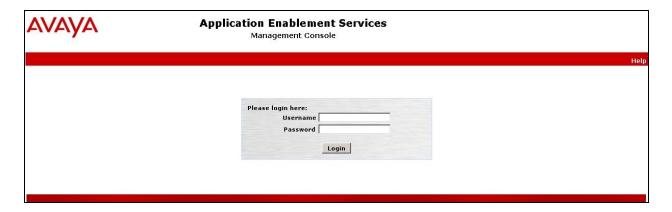
## 6.1. Verify Licensing

Access the Web License Manager used by the Application Enablement Services Server. 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 Device Media and Call Control, as shown below. If not, consult with your Avaya Account Manager or Business Partner to acquire the proper license for your solution.

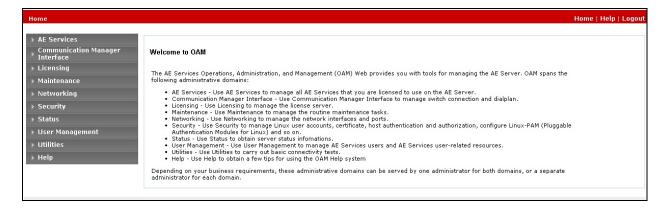


#### 6.2. Create Switch Connection

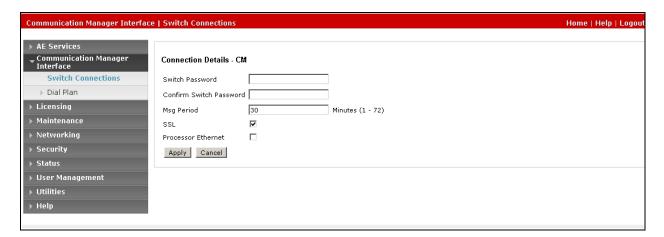
Access the OAM web-based interface of the Application Enablement Services Server, using the URL https://<Server\_IP>. The Management console is displayed, login using the appropriate credentials.



The **Welcome to OAM** screen is displayed next.



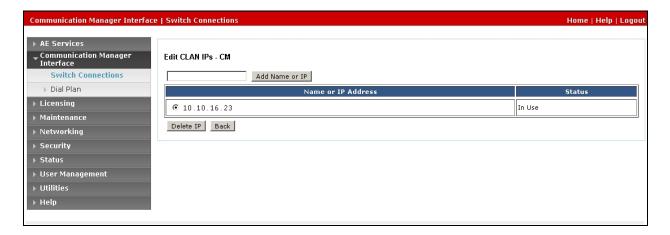
To establish the connection between Communication Manager and the Application Enablement Services Server, click Communication Manager Interface → Switch Connections. In the field next to next to Add Connection, enter CM and click on Add Connection, the following screen will be displayed.



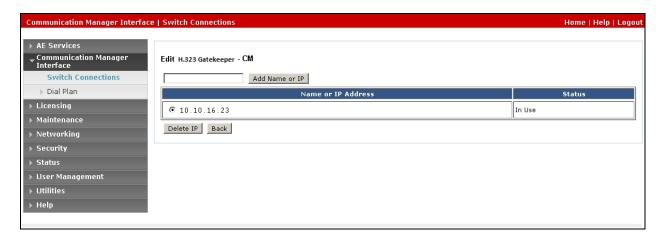
Complete the configuration as shown and enter the password specified in **Section 5.7** when configuring AESVCS in ip-services. In this instance **Avayapassword1**. Click on **Apply**, the screen below will be displayed.



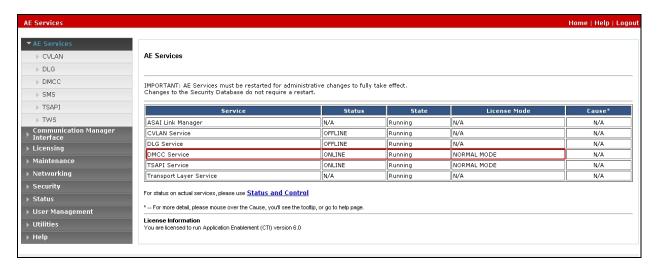
Click on **Edit PE/CLAN IPs** (at the bottom of the last screenshot) in order to specify the IP address of the Communication Manager. Next to **Add Name or IP**, enter the IP address of the Communication Manager and click on **Add Name or IP**.



Click on **Back** and then click on **Edit H.323 Gatekeeper**. Enter the IP address of the Communication Manager and click on **Add Name or IP** 



Select **AE Services** from the left hand menu and select **DMCC** to verify that the **DMCC Service** is licensed by ensuring that **DMCC Service** is in the list of services and that the **License Mode** is showing **NORMAL MODE**. If not, consult with your Avaya Account Manager or Business Partner to acquire the proper license for your solution.



#### 6.3. Creat TSAPI Link

A TSAPI link is required to allow the ReDat recorder to connect to AES. From the left hand menu select AE Services → TSAPI → TSAPI Links and click on Add Link



On the Add TSAPI Link page enter the Link number to be used, The Switch Connection added earlier and the Switch CTI Link Number added in Section 5.7. Click on Apply Changes to add the TSAPI Link

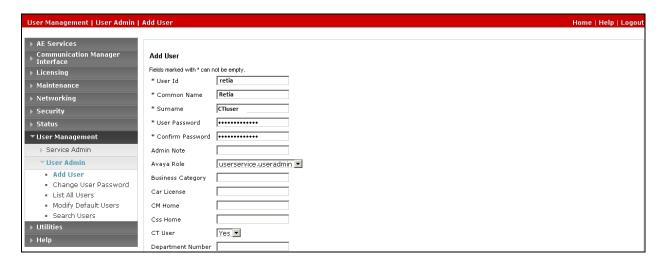


When the TSAPI Link has been added it will be shown in the list.



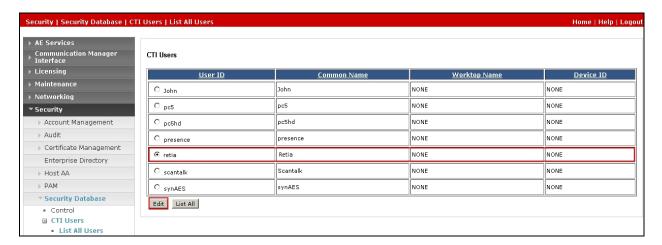
#### 6.4. Create CTI User

A user ID and password needs to be configured for the ReDat Experience to communicate as a DMCC Client with the Application Enablement Services. Select **User Management** → **User Admin** → **Add User** from the left hand menu, 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 **Avaya Role**, select **userservice.useradmin** from the drop down list. 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).

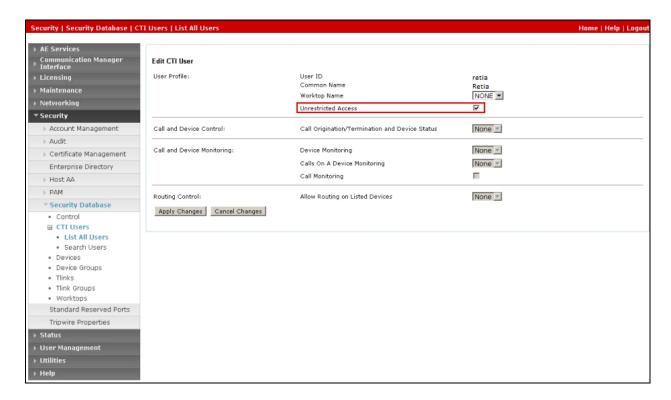


## 6.5. Enable CTI User

Navigate to the users screen by selecting Security  $\rightarrow$  Security Database  $\rightarrow$  CTI Users  $\rightarrow$  List All Users. In the CTI Users window, select the user that was set up in Section 6.3 and select the Edit option.

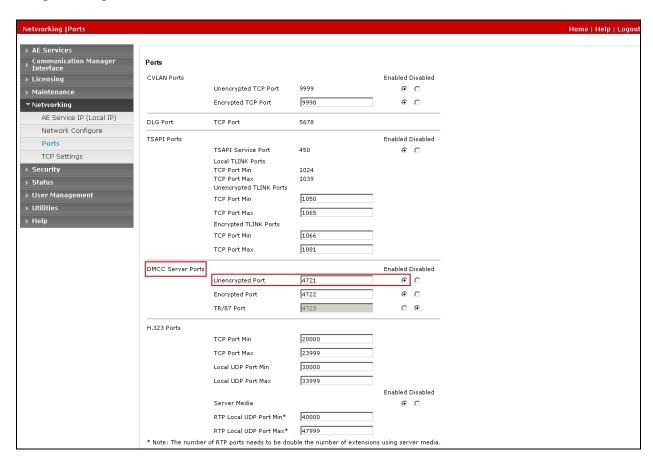


The **Edit CTI User** screen appears. Tick the **Unrestricted Access** box and **Apply Changes** at the bottom of the screen.



## 6.6. Configure DMCC Port

On the AES Management Console navigate to **Networking**  $\rightarrow$  **Ports** to set the DMCC server port. During the compliance test, the **Unencrypted Port** set to **4721** was **Enabled** as shown in the screen below. Click the **Apply Changes** button (not shown) at the bottom of the screen to complete the process.



## 6.7. Enable Security Database

Select Security → Security Database → Control from the left pane, to display the SDB Control for DMCC and TSAPI screen in the right pane. Check Enable SDB for DMCC Service and Enable SDB TSAPI Service, JTAPI and Telephony Service, and click Apply Changes.



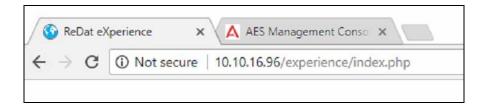
## 7. Configure Retia ReDat eXperience

It is implied that the ReDat server is installed including pre-requisite software and the correct licensing is in place. To configure the ReDat server, a standard browser is used. The configuration operations described in this section can be summarized as follows:

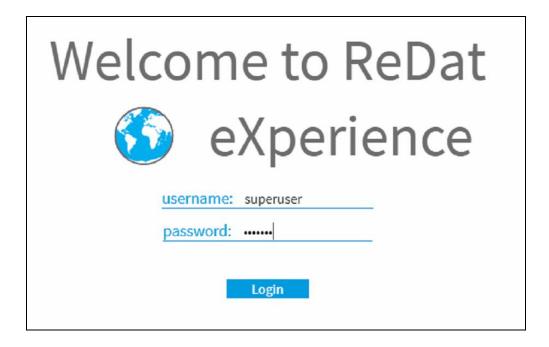
- Logging into the ReDat server
- Configure CTI
- Configure Recording units
- Configure Channels and real extensions
- Configure Hunt group extension
- Configure Virtual Extensions (SSC recorders)
- Restart active recording Service

## 7.1. Logging into the ReDat server

Browse to the IP Address of the ReDat server.



Once the new window opens, enter the appropriate credentials, and click **Login**.



## 7.2. Configure CTI

Click on Catalog and navigate to Catalog  $\rightarrow$  System.



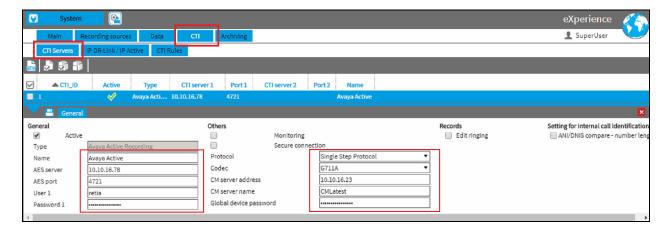
Once the **System** page opens, select the **CTI** tab followed by the **CTI Servers** tab and click on the **New** Icon highlighted. Select **Avaya Active Recording** from the **Type** dropdown box and click the **OK** button.



When the new page opens, enter the following:

Name **Enter Avaya Active** Enter the IP address of the AES Server (10.10.16.78) **AES Server** Enter 4721 (Unencrypted Port as configured in Section **AES** port **6.6**) User 1 Enter retia (User ID as configured in Section 6.3) Password 1 Enter the User Password as configured in Section 6.3 **Protocol** Select **Single Step Protocol** from the dropdown box **CM Server address** Enter the CM IP address (in this case 10.10.16.23) Global device password Enter the Security Code configured for the IP Station shown in.

Click on the **Save** Icon to save the configuration.



## 7.3. Configure Recording units

Click on the **Recording sources** tab followed by the **Recording units** tab. Click on the **New** icon, select the **General** tab and enter the following:

Name
 Login
 Enter an informative name (i.e., VoIP Recorder)
 Enter user account login of the ReDat server (retia)
 Possword

• **Password** Enter the retia password of the ReDat server

• Confirm password Confirm password

• Type/Partition Select ReDat VoIP Recorder from the dropdown box

• **IP address** Enter the IP address of the ReDat server

• **Replication function** Select **Database+archiving** from the dropdown box

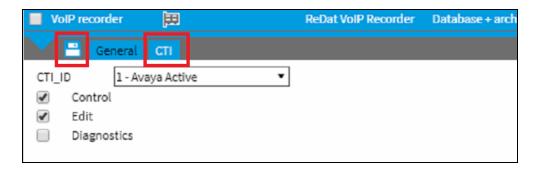


Select the **CTI** tab and enter the following:

• CTI\_ID Select 1-Avaya Active from the dropdown box

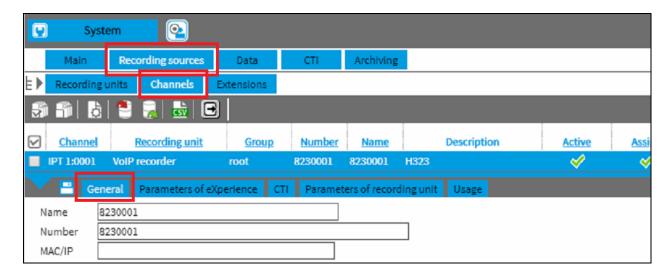
Control
 Edit
 Click on the Control check box
 Edit check box

Click on the Save icon highlighted to save.



## 7.4. Configure Channels and real extensions that are to be recorded.

Click on the **Recording sources** tab followed by the **Channels** tab. Double click the first Channel and select the **General** tab. Fill in the **Name** and the **Number** of the recorded extension. Click on the **Save** icon.

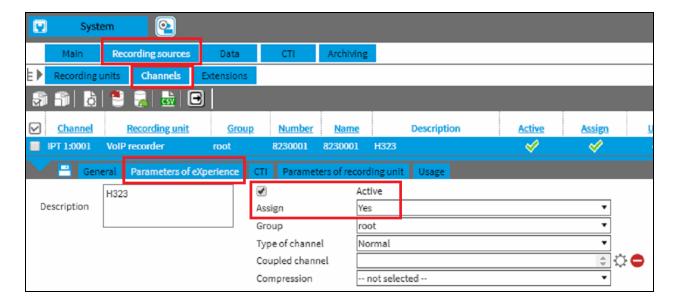


Click on the **Parameters of eXperience** tab and enter the following:

• **Description** May be used for the optional description

Active Click the Active check box
 Assign Click the Assign check box

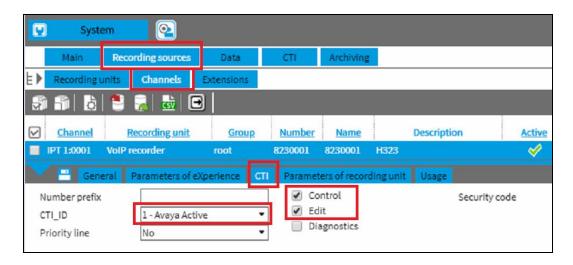
Click on the Save icon.



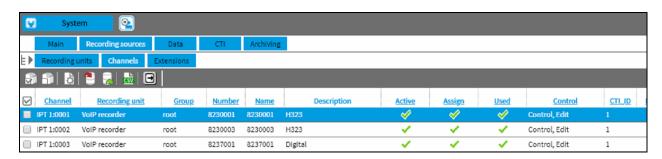
Click on the **CTI** tab and check the following:

• CTI\_ID 1-Avaya Active

Control
 Edit
 Control check box is enabled
 Edit check box is enabled



Repeat these steps for each channel to be recorded:



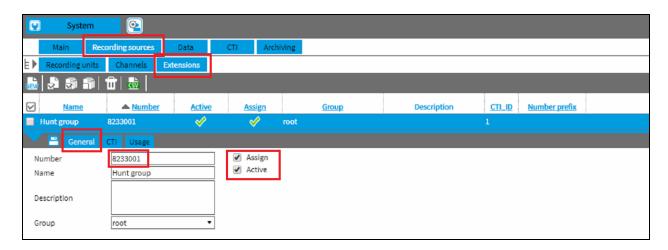
## 7.5. Configure a Hunt group extension

Click on the **Recording sources** tab followed by the **Extensions** tab. Click on the **New** Icon, select the **General** tab and enter the following:

• **Number** Enter a hunt group that will be monitored

Name Enter the name (optional)
 Assign Click the Assign check box
 Active Click the Active check box

Click on the Save icon.

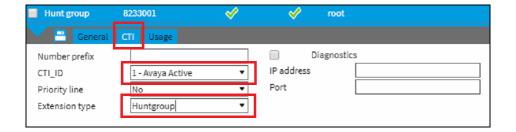


Click on the CTI tab and enter the following:

• CTI\_ID Select 1-Avaya Active from the dropdown box

Extension type Select Huntgroup from the dropdown box

Click on the Save icon.



## 7.6. Configure Extensions (Virtual)

Click on the **Recording sources** tab followed by the **Extensions** tab. Click on the **New** Icon, select the **General** tab and enter the following:

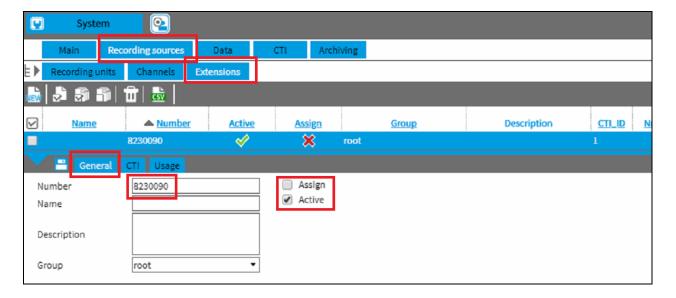
• **Number** Enter an CTI extension number that will be used as the recorder for

the monitored calls

• Name Enter the name assigned to the Extension (optional)

Assign Uncheck the Assign check box
 Active Click the Active check box

Click on the Save icon highlighted to save.



Click on the **CTI** tab and enter the following:

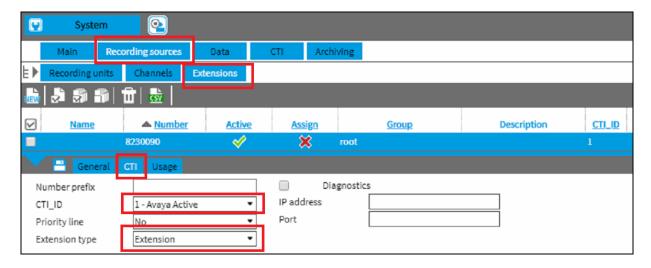
• CTI ID

- **1- Avaya Active** from the dropdown box
- Extension type

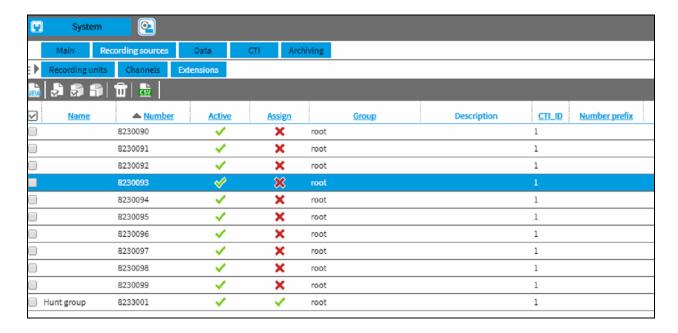
Select **Extension** from the dropdown box

Click on the Save icon.

**Note:** Repeat these steps for each extension that is to be monitored. Also note that 2 ports are required for each virtual extension, therefore the next port should be 61002 and so on.

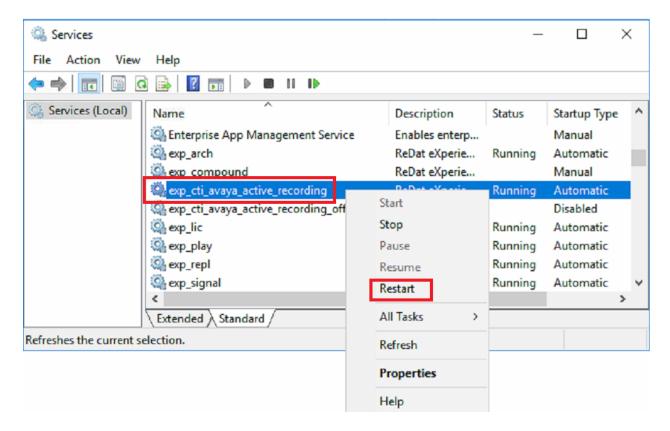


Note: Repeat these steps for all extensions that are to be configured:



## 7.7. Restart active recording Service

Once all the configurations are made to the ReDat server the exp\_cti\_avaya\_active\_recording service must be restarted. Click on  $Start \rightarrow Run$  and enter services.msc. When the Services window opens, right click on exp\_cti\_avaya\_active\_recording and click on Restart.

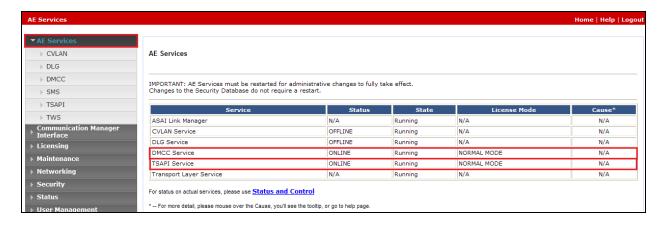


# 8. Verification Steps

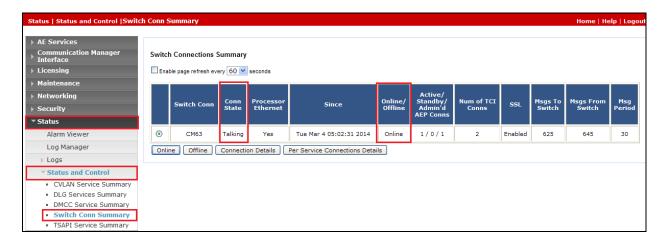
This section provides the tests that can be performed to verify correct configuration of the Avaya and Retia ReDat eXperience solution.

## 8.1. Verify Avaya Aura® Application Enablement Services status

Log in to Avaya Aura® Application Enablement Services, and navigate to the **AE Services** screen. Verify that the DMCC and TSAPI Services are **ONLINE**, and **Running**.



Navigate to Status → Status and Control → Switch Conn Summary. Verify that the Conn State is Talking and the Online/Offline is Online.

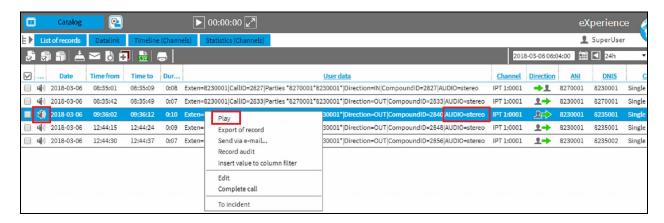


Navigate to **Status** → **Status** and **Control** → **DMCC Service Summary** and click **Service Summary**. Verify that the ReDat system has established a session.



## 8.2. Verify ReDat

To verify that the ReDat server is recording calls, make some calls to/from monitored extensions. Log in to the ReDat server as per **Section 7.1**. Once logged in click on the **List of records** tab and it should be possible to see something similar to the screen shot below. To listen to one of the calls click on the **Speaker** icon highlighted. The call content is stored in the stereo format record (AUDIO=stereo flag is indicated in the User data item).



## 9. Conclusion

These Application Notes describe the configuration steps required for Retia ReDat eXperience with Avaya Aura® Communication Manager and Avaya Aura® Application Enablement Services using Single Step Conference and Selective Listening Hold. All test cases have passed and met the objectives outlined in **Section 2.2**.

## 10. Additional References

This section references the Avaya and Retia documentation that is relevant to these Application Notes.

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

- [1] Administering Avaya Aura® Communication Manager, Release 7.1, Document Number 03-300509.
- [2] Avaya Aura® Communication Manager Feature Description and Implementation, Release 7.1, Document Number 555-245-205.
- [3] Administering Avaya Aura® Session Manager, Release 7.1,
- [4] Administering Avaya Aura® System Manager, Release 7.1.
- [5] Avaya Aura® Application Enablement Services Administration and Maintenance Guide, Release 7.1.

Technical documentation for Retia can be found at the following location: http://www.redat.eu/en/ ©2018 Avaya Inc. All Rights Reserved.

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