

### Avaya Solution & Interoperability Test Lab

# Application Notes for Verint Systems Audiolog with Avaya Communication Manager using Avaya Application Enablement Services – Issue 1.0

#### **Abstract**

These Application Notes describe the configuration steps required for Verint Systems Audiolog 4.0 Service Pack 2 to successfully interoperate with Avaya Communication Manager 5.0 using Avaya Application Enablement Services.

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

#### 1. Introduction

Verint Systems Audiolog is a contact center specific call recording application that features improvements to an agent's performance by asserting quality monitoring assessment software. Archived voice recordings can be stored using almost any third-party media, and can be retrieved using the browser-based Audiolog Interaction Review software. Additionally, supervisors can retrieve and play back recordings and evaluate agent performance either on site or remotely.

Verint Systems Audiolog utilizes the Computer Telephony Integration (CTI) event reports achieved through the Avaya Application Enablement Services (AES) Telephony Services Application Programming Interface (TSAPI) service, as illustrated in **Figure 1.** 

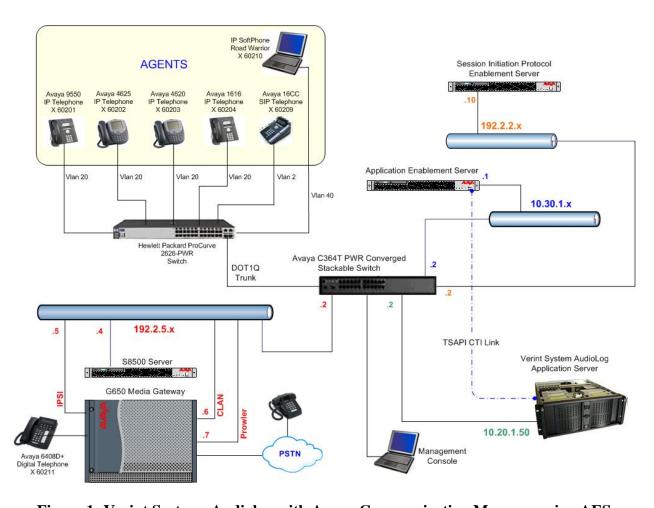


Figure 1: Verint Systems Audiolog with Avaya Communication Manager using AES

Compliance testing was performed on Verint Systems hardware platform running the latest Audiolog GA software version. In addition, compliance testing only used Digital, IP, IP Softphone (Road Warrior) and SIP telephones, although analog telephones are also supported.

## 2. Equipment and Software Validated

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

Equipment	Software				
Avaya S8500 Server	Communication Manager 5.0.0, load 825.4				
Avaya G650 Media Gateway  TN799DP C-LAN Circuit Pack TN2302AP IP Media Processor Circuit Pack	HW01 FW015 HW13 FW095				
Avaya Application Enablement Services	R4.1.31.2.0				
Avaya Session Enablement Services	SES-5.0.0.0-825.31				
Avaya C363T-PWR Converged Stackable Switch	4.3.12				
Avaya 4610SW IP Telephone	2.3				
Avaya 4625 Series IP Telephone	2.8.3				
Avaya 9650 IP Telephones	2.21				
Avaya 16CC SIP Telephone	1.0.11.2				
Avaya 1616 IP Telephone	1.11				
Verint Systems Audiolog Server	Release 4.0 Service Pack 2				

# 3. Configure Avaya Communication Manager

This section provides the procedures for configuring Avaya Communication Manager. The procedures fall into the following areas:

- Administer C-LAN for AES connectivity
- Administer transport link for AES connectivity
- Administer CTI link with TSAPI service

The detailed administration of contact center devices, such as VDN, Skill, Split, Logical Agents and Station Extensions are assumed to be in place and are not covered in these Application Notes.

### 3.1. Administer C-LAN for AES Connectivity

The C-LAN administration procedure will involve adding an IP node name, an IP interface, and a data module.

1. Add an entry for the C-LAN in the node-names form. Use the "change node-names ip" command, as shown in **Figure 2**. In this case, "Clan-1" and "192.2.5.6" are entered as **Name** and **IP Address** for the C-LAN that will be used for connectivity to the AES server. The actual node name and IP address may vary. Submit these changes.

```
change node-names ip

IP NODE NAMES

Name
IP Address

Clan-1
192.2.5.6

Prowler-1
192.2.5.7
default
0.0.0.0
procr
192.2.5.4
```

Figure 2: IP Node Names

2. Add the C-LAN to the system configuration using the "add ip-interface 1a03" command. Note that the actual slot number may vary. In this case, "1a03" is used as the slot number, as shown in **Figure 3** below. Enter the node name assigned from **Figure 2** above into the **Node Name** field, and then the IP address will be populated automatically.

Enter proper values for the **Subnet Mask** and **Gateway Address** fields. In this case, "255.255.255.0" and "192.2.5.2" are used to correspond to the network configuration in these Application Notes. Set the **Enable Ethernet Port** field to "y", and the **Network Region** for the C-LAN dedicated for AES connectivity. Default values may be used in the remaining fields. Submit these changes.

```
add ip-interface 01a03
                                                            Page 1 of 1
                                 IP INTERFACES
                 Type: C-LAN
                 Slot: 01A03
          Code/Suffix: TN799 D
            Node Name: Clan-1
           IP Address: 192.2 .5 .6
          Subnet Mask: 255.255.255.0
                                                                Link: 1
      Gateway Address: 192.2 .5 .2
 Enable Ethernet Port? y
                                               Allow H.323 Endpoints? y
       Network Region: 1
                                                Allow H.248 Gateways? y
                 VLAN: n
                                                 Gatekeeper Priority: 5
Target socket load and Warning level: 400
      Receive Buffer TCP Window Size: 8320
                               ETHERNET OPTIONS
                 Auto? y
                                                               Page
                                                                     1 of 1
```

Figure 3: IP Interface

3. Add a new data module using the "add data-module n" command, where "n" is an available extension. Enter the following values as shown in **Figure 4**:

• Name: A descriptive name.

• Type: "ethernet"

• **Port:** Same slot number from **Figure 3** and port "17".

• **Link:** A link number not previously assigned on this switch.

add data-module 60000

DATA MODULE

Data Extension: 60000

Name: Clan-1

Type: ethernet
Port: 01a0317
Link: 11

Network uses 1's for Broadcast Addresses? y

Figure 4: Data Module

#### 3.2. Administer Transport Link for AES Connectivity

Administer the transport link to Avaya Application Enablement Services (AES) with the "change ip-services" command.

1. Add an entry with the following values for fields on Page 1, as shown in **Figure 5** below:

• Service Type: "AESVCS"

• Enabled: "y"

• Local Node: Node name for the Clan-1 assigned in Figure 2.

• **Local Port** Retain the default of "8765".

change ip-s	services				Page	1 of	4
			IP SERVICE	S			
Service	Enabled	Local	Local	Remote	Remote		
Type		Node	Port	Node	Port		
CDR1		Clan-1	0	TestSite	9002		
CDR2		Clan-1	0	CDR-2nd	9004		
AESVCS	У	Clan-1	8765				

Figure 5: IP Services Page 1

2. Go to Page 4 of the IP Services form, and enter the following values as shown in **Figure 6**:

• **AE Services Server:** Name obtained from the AES server, in this case "AES-Test".

• **Password:** Same password to be administered on the AES server.

• Enabled: "y"

Note that the name and password entered for the **AE Services Server** and **Password** fields must match the name and password on the AES server. The administered name for the AES server is created as part of the AES installation, and can be obtained from the AES server by typing "uname –n" at the Linux command prompt. The same password entered in **Figure 6** below will need to be set on the AES server using **Administration > Switch Connections > Edit Connection > Set Password** as shown in **Figure 14**.

change ip-ser	vices			Page	3 of	3
AE Services Administration						
Server ID	AE Services Server	Password	Enabled	Status		
1: 2:	AES-Test	***	У			

Figure 6: IP Services Page 3

#### 3.3. Administer CTI Link with TSAPI Service

Add a CTI link and set the values as shown in **Figure 7** below using the "add cti-link n" command, where "n" is an available CTI link number.

1. Enter an available extension number in the **Extension** field. Note that the CTI link number and extension number may vary. Enter "ADJ-IP" in the **Type** field, and a descriptive name in the **Name** field. Default values may be used in the remaining fields. Submit these changes.

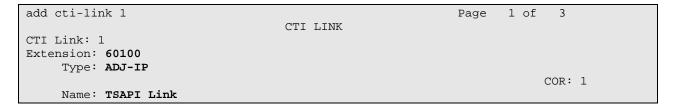


Figure 7: CTI Link

### 3.4. Administer Virtual Station and COR for Single Step Conference

Each channel Verint Systems Audiolog server uses for Single Step Conference requires a virtual softphone in Avaya Communication Manager.

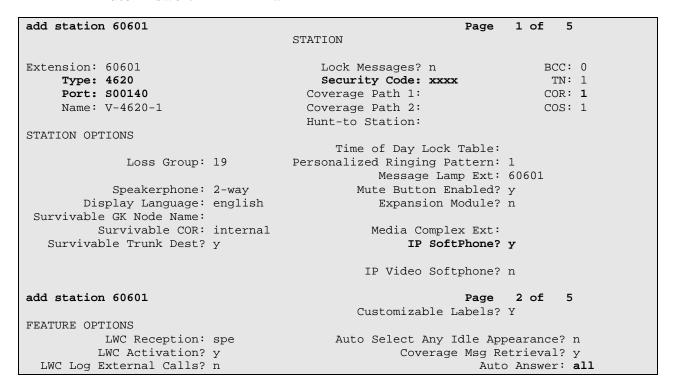
1. Add station entries with the following values for fields as shown in **Figure 8** below:

Type: "4620"IP SoftPhone? "y"

• **Security Code:** "xxxx" – **Note:** 4 to 8 digits

• **COR:** "N" - **Note:** Proper permission must be set, see Figure 9

• Auto Answer: "all"



**Figure 8: Virtual Station** 

2. Verify that the COR associated with the Single Step Conference virtual stations has the Can Be A Service Observer? value set to "y" as displayed in Figure 9 below.

```
Change cor 1

CLASS OF RESTRICTION

COR Number: 1
COR Description:

FRL: 0
Can Be Service Observed? n
Can Be A Service Observer? y

Called Party Restriction: none
Called Party Restriction: none
```

**Figure 9: Class of Restriction** 

## 4. Configure Avaya Application Enablement Services

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

- Verify Avaya Application Enablement Services License
- Administer local IP
- Administer switch connections
- Administer TSAPI link
- Administer security database
- Administer Verint Systems Audiolog user

## 4.1. Verify Avaya Application Enablement Services License

From the WEB browser, enter the IP address of the AES. For example enter <a href="http://10.30.1.1">http://10.30.1.1</a>. The Avaya Application Enablement Services screen should display. At this point, either the AE Server Administration or the WebLM Administration can be selected (not shown). Select AE Server Administration and log into AES with the correct credentials.

1. The **Welcome to OAM** screen will be displayed as shown in **Figure 10**. From the left panel, initially select **CTI OAM Administration**. **Note: User Management** is covered in a later step.

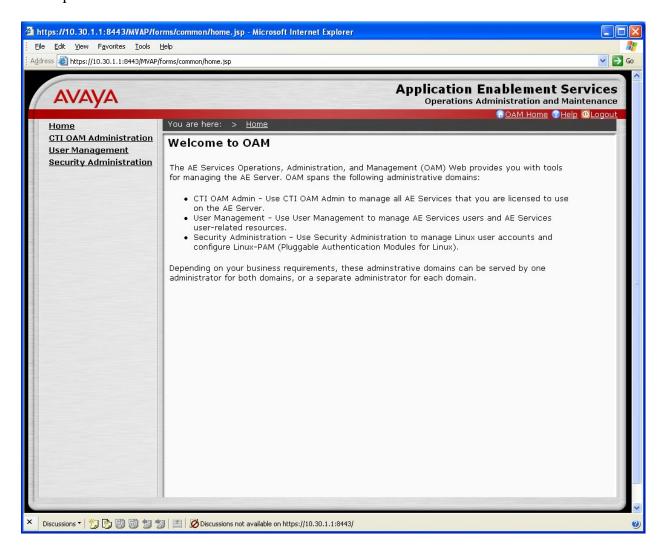


Figure 10: Welcome to OAM

2. The **License Information** must be visible as displayed in the **Welcome to CTI OAM Screens** as in **Figure 11**. Verify that the Avaya Application Enablement Services license has proper permissions for the features illustrated in these Application Notes by ensuring the TSAPI service is licensed. If the TSAPI service is not licensed, then contact the Avaya sales team or business partner for a proper license file.

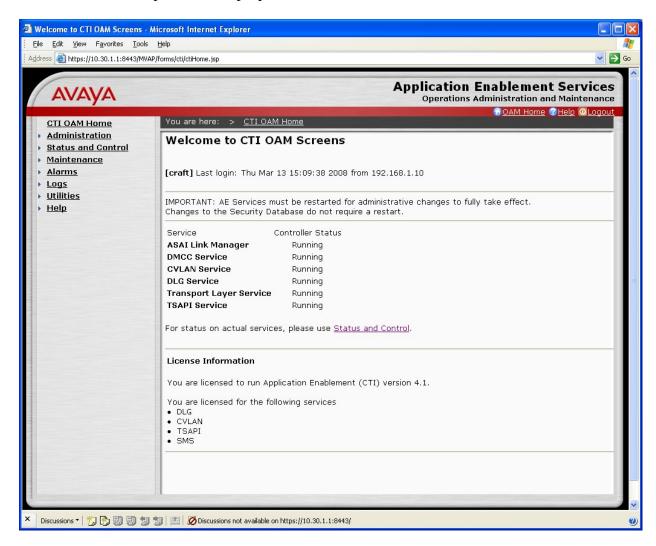


Figure 11: Welcome to CTI OAM Screens

#### 4.2. Administer Local IP

From the menu column, select Administration → Network Configuration → Local IP.

1. As shown in **Figure 12**, in the **Client Connectivity** field, select the AES server IP address that will be used to connect to Verint Systems Audiolog. In the **Switch Connectivity** field, select the AES server IP address that will be used to connect to Avaya Communication Manager. Click on **Apply Changes**.

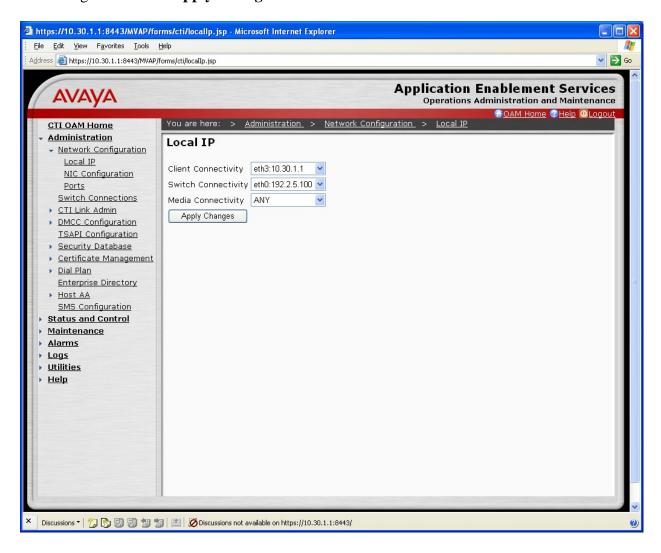


Figure 12: Local IP

#### 4.3. Administer Switch Connections

1. From the CTI OAM Home menu, select **Administration** → **Switch Connections**. As shown in **Figure 13**, enter a descriptive name for the switch connection and click on **Add Connection**. In this case, the name **S8500** is used, and the actual switch connection name will vary.

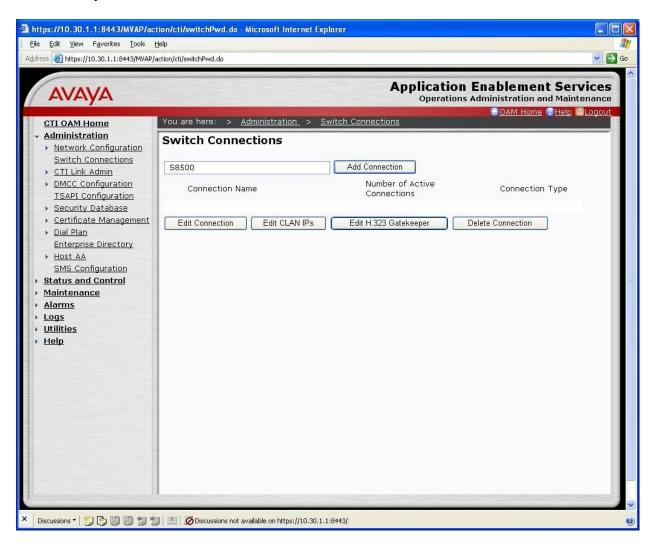


Figure 13: Switch Connections

2. The **Set Password** screen is displayed. As shown in **Figure 14**, enter the same password that was administered in Avaya Communication Manager using the IP Services form in **Figure 6**. Re-enter the same password in the **Confirm Switch Password** field. Note that the default value of checked may be retained for the **SSL** field. Had the switch been an Avaya DEFINITY Server G3csi, the **SSL** field would need to be unchecked. Click on **Apply**.

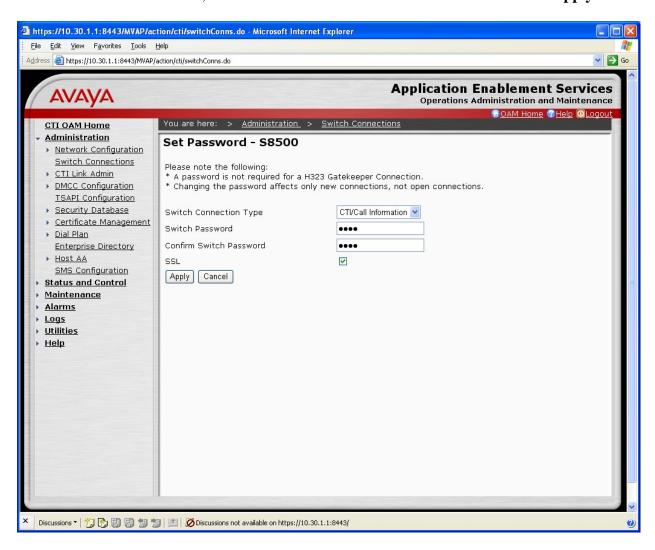
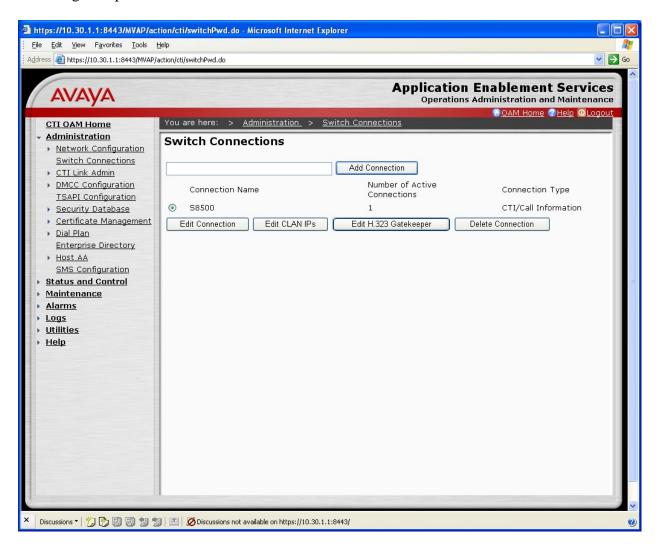


Figure 14: Set Password

3. The S8500 entry is created as shown in **Figure 15**. Click on **Edit CLAN IPs** if you need to change the password.



**Figure 15: Configured Switch Connections** 

4. In the Edit CLAN IPs – S8500 screen, enter the host name or IP address of the C-LAN used for AES connectivity as shown in **Figure 16**. In this case, 192.2.5.6 is used, which corresponds to the C-LAN administered on Avaya Communication Manager in Figure 2. Click on Add Name or IP.

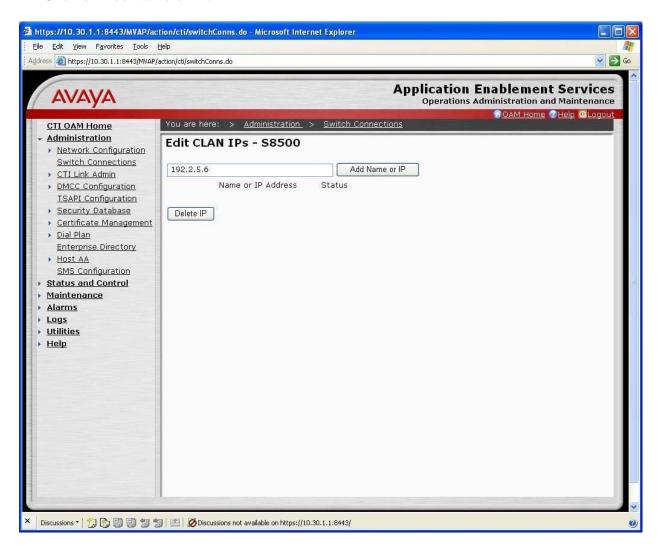


Figure 16: Edit CLAN IPs

#### 4.4. Administer TSAPI Service

1. To administer a TSAPI link on AES, select **Administration > CTI Link Admin > TSAPI Links** from the CTI OAM Home menu as shown in **Figure 17** below. Click on **Add Link**.

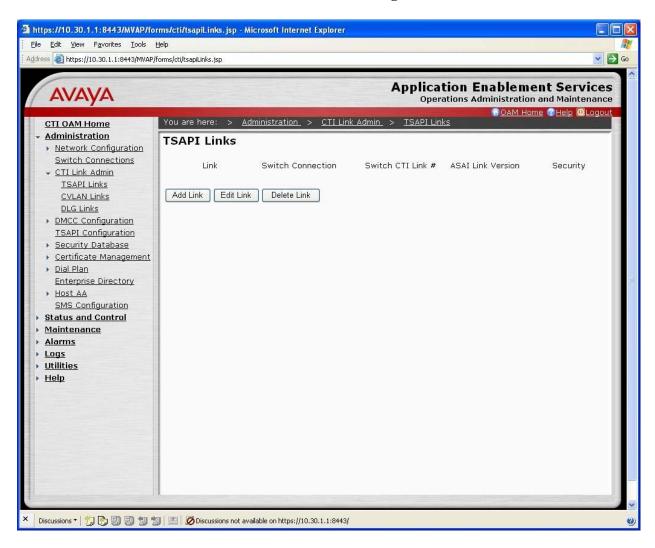


Figure 17: TSAPI Links

- 2. In the Add/Edit TSAPI Links screen, select the following values as shown in Figure 18:
  - Switch Connection: Administered switch connection configured in Figure 13.
  - Switch CTI Link Number: Corresponding CTI link number configured in Figure 7.

**Note**: The actual values for both fields may vary. Click on **Apply Changes**.

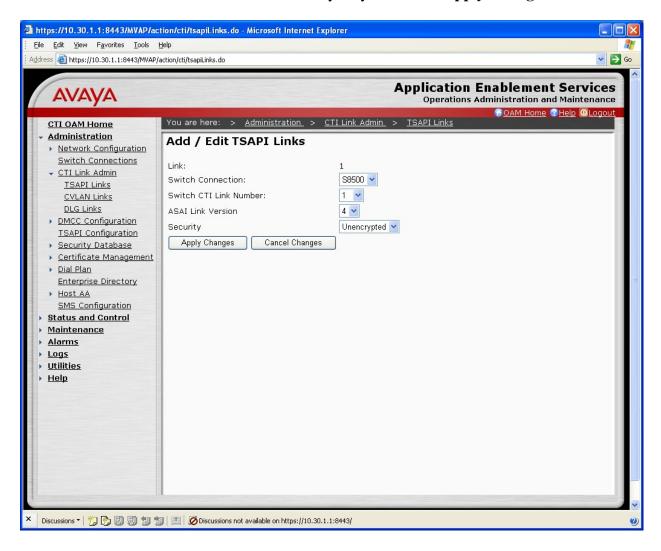
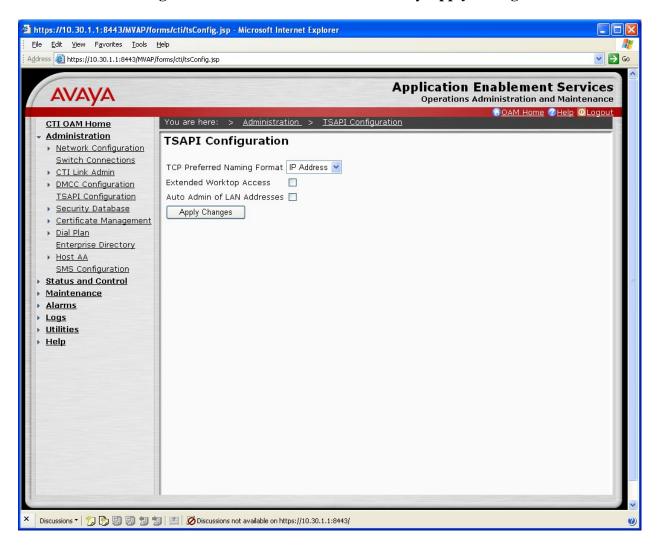


Figure 18: Add/Edit TSAPI Links

3. Enable the security database on AES, as this functionality is utilized by Verint Systems Audiolog. From the CTI OAM Home menu, select **Administration > TSAPI Configuration** to display the TS Configuration screen shown in **Figure 19** below. For **TCP Preferred Naming Format** select **IP Address** followed by **Apply Changes**.



**Figure 19: TSAPI Configuration** 

4. Navigate to the Tlinks screen by selecting **Administration > Security Database > Tlinks** from the CTI OAM Home menu. Note the value of the **Tlink Name**, as this will be needed for configuring Verint Systems Audiolog.

In this case, the **Tlink Name** is **AVAYA#S8500#CSTA#AES-TEST**, which is automatically created by the AES server and shown in **Figure 20**.

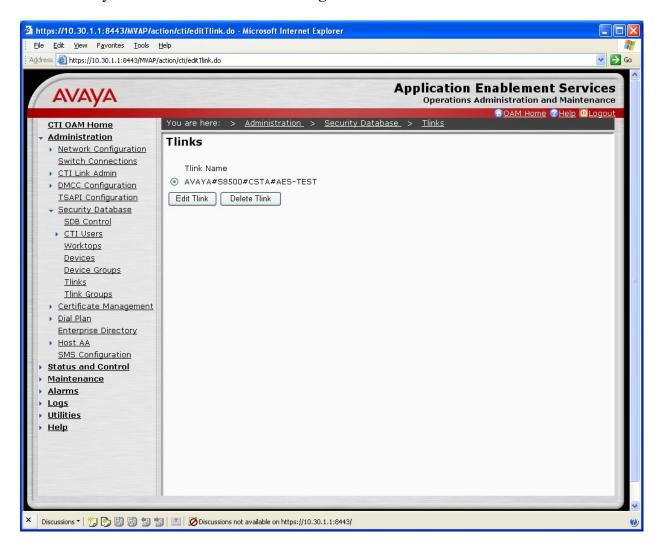


Figure 20: TSAPI Links

## 4.5. Administer Security Database

All devices that are monitored by Verint Systems Audiolog need to be configured in the AES security database. This includes the virtual stations setup within Avaya Communication Manager for Single Step Conference.

 From the CTI OAM Home menu, select Administration > Security Database > Devices, and add each device by entering the device extension and clicking on Add Device. A sample listing of the configured devices used for compliance testing is shown in Figure 21. Note that the total number of devices may vary, as this depends on the number of extensions to be recorded and monitored.

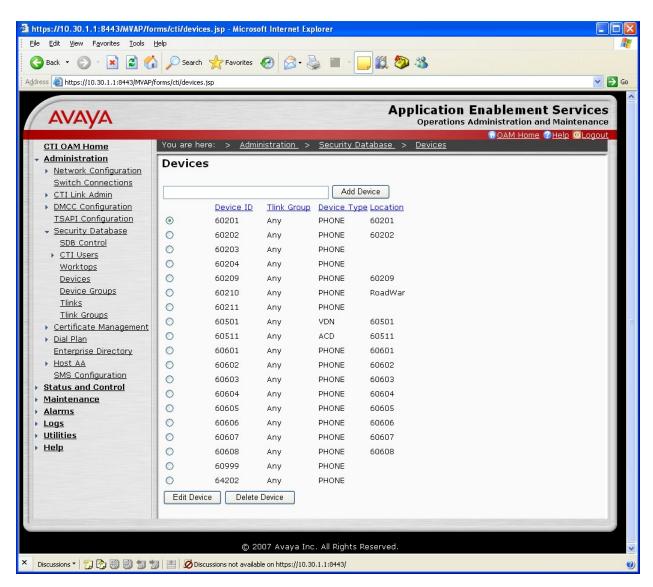


Figure 21: Devices

2. The associated field values for each device are entered in the **Add / Edit Device** screen shown in **Figure 22**. The following is a description of the device types that can be monitored by Verint Systems Audiolog:

• **PHONE:** Station extensions.

• **VDN:** Vector Directory Number extensions.

• **AGENT ID:** Logical agent extensions.

• ACD: ACD split or Skill group extensions

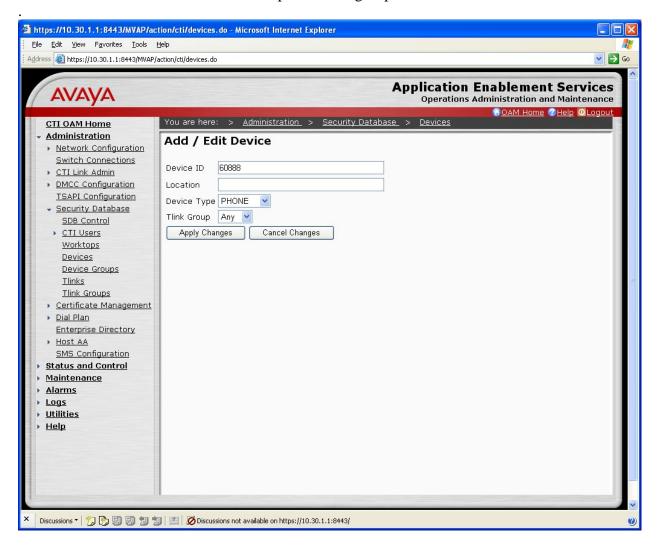


Figure 22: Add/Edit Devices

## 4.6. Administer An AES Verint Systems Audiolog User

Select **OAM Home -> User Management** to display the AES login screen. Log in using the User Management user name and password, and the same Welcome To OAM screen from **Figure 10** is displayed.

1. To create the Verint user on AES, select **OAM Home > User Management > Add User** from the User Management Home menu. In the **Add User** screen shown in **Figure 23**, enter the following values:

User Id: A meaningful user id.
 Common Name: A descriptive name.
 Surname: A descriptive surname.

• **User Password:** Password for the Verint user.

• **Confirm Password:** Re-enter the same password for the Verint user.

• Avaya Role: Retain the default of "None".

• **CT User:** Select "Yes" from the dropdown menu.

Click on **Apply** at the bottom of the screen (not shown in **Figure 23**).

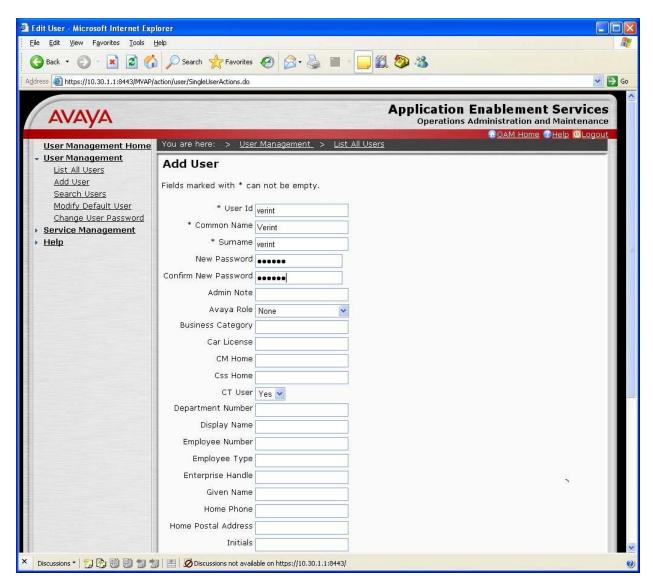


Figure 23: Add User

2. Select **OAM Home** then **CTI OAM Administration** from the Home menu. From the CTI OAM Home menu, select **Administration** -> **Security Database** -> **CTI Users** -> **List All Users** to get a listing of all CTI users, as shown in **Figure 24**. Select the "verint" user created in **Figure 23** and click on **Edit**.

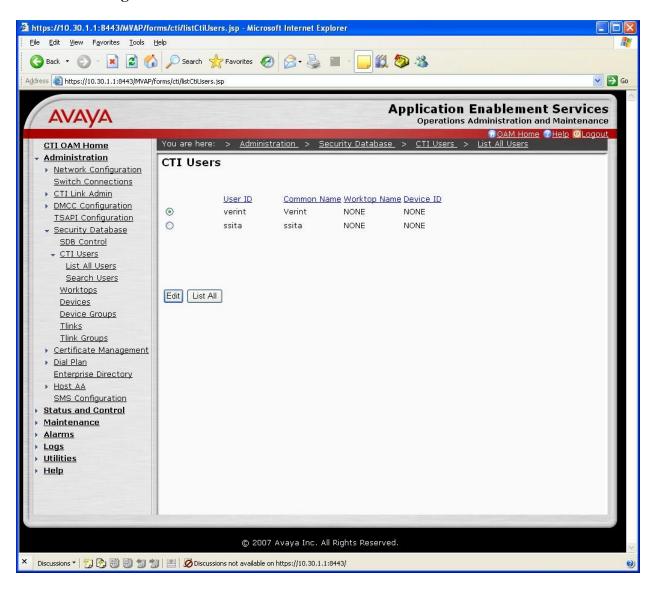


Figure 24: CTI Users

3. The Edit CTI User screen is displayed, as shown in **Figure 25**. Select **Any** from the drop down menu for the **Call Origination and Termination**, **Device / Device**, **Call / Device**, and **Allow Routing on Listed Device** fields. Enable (check mark) the **Call / Call**, followed by **Apply Changes**.

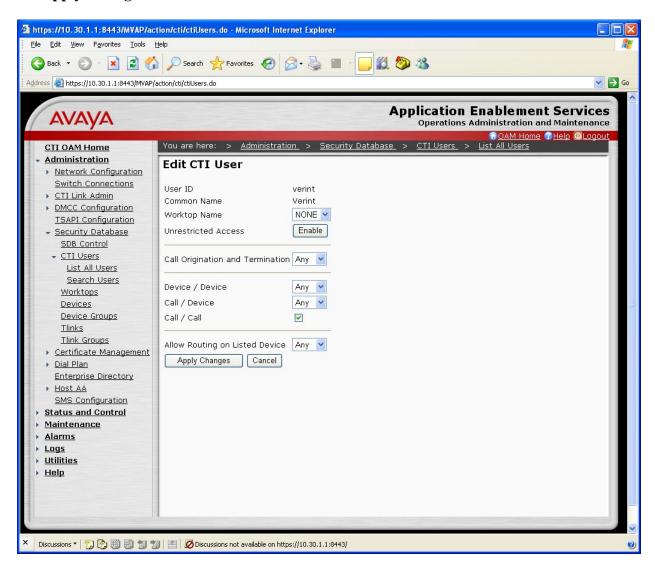


Figure 25: Edit CTI User

## 5. Configure Verint Systems Audiolog

The Verint Systems Audiolog Server should be pre-installed with the latest Audiolog software and Service Pack, and the TSAPI Client software is operational. This section provides only a guideline for administering the Verint Systems Audiolog application to function with Avaya Application Enablement Services. For a complete administrative overview, please consult **Reference** [1] when administering Verint Systems Audiolog and TSAPI Client with Avaya Application Enablement Services.

Note, the setting used for the compliance test with Verint Systems Audiolog and Avaya Application Enablement Services will vary based on system configurations and customer needs.

Start the Verint Systems Audiolog Server console, and the initial **Manager** screen in **Figure 26** should be displayed. On the left side, click on the center button \_\_\_\_\_\_. The Configuration Manager screen should be displayed. See **Figure 27.** 



Figure 26: Manager

### 5.1. Verint Systems Audiolog Configuration Manager Elements

1. The **Configuration Manager** displayed in **Figure 27** is the place from which all administration is performed. Select and click the **Components** button from **Configuration Manager**.

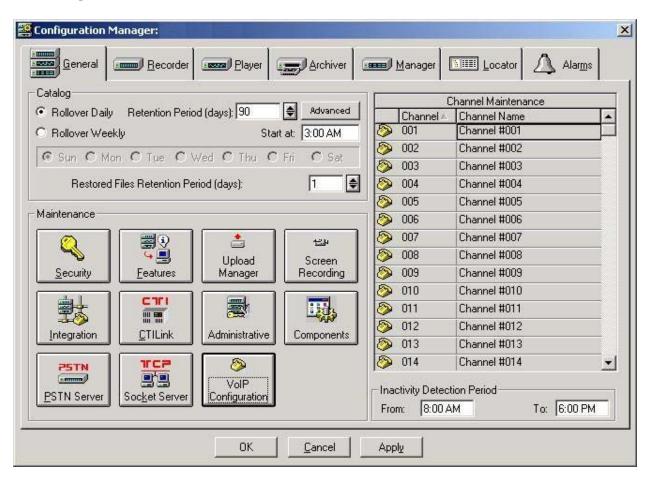


Figure 27: Employee Management Screen

2. The **Components** screen in **Figure 28** should be displayed. Verify the **Enable CTILink Miscellaneous** parameter is checked.

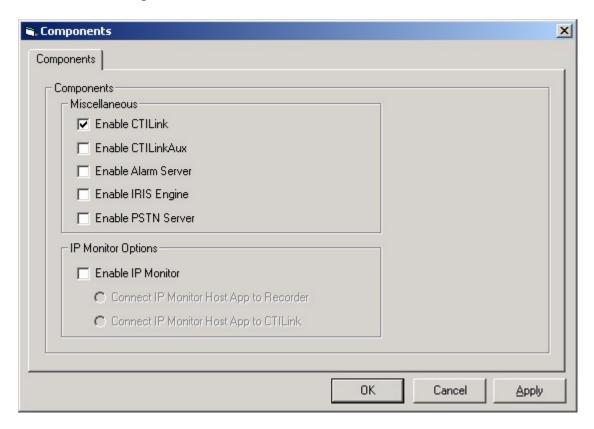


Figure 28: Components

- 3. From the **Configuration Manager** displayed in **Figure 27**, select and click the **VoIP Configuration** button. The **VoIP Configuration** screen in **Figure 29** should be displayed.

  Administrer the following fields:
  - RTP Driver: AVAYA CMAPI SSC
  - Use Compression: G723 MONO
  - **CMAPI Capture IP:** IP Address of the Audiolog Server
  - **CMAPI Codec:** CM Audio G711U
  - CMAPI Packet Size: 0
  - CMAPI Password: Password assigned in Section 4.6, Step 1.
     CMAPI PBX IP: IP Address of CLAN in Section 3.1.
  - **CMAPI Server IP:** IP Address of the Avaya Enablement Services
    - Server
  - **CMAPI Server Port:** 4721
  - **CMAPI Soft Phone Extension Base:** Starting extension number of the virtual soft phone extensions administered as in **Section 3.4**, **Step 1**.
  - CMAPI Number of Soft Phones 8
  - CMAPI Start Port Range: 8000

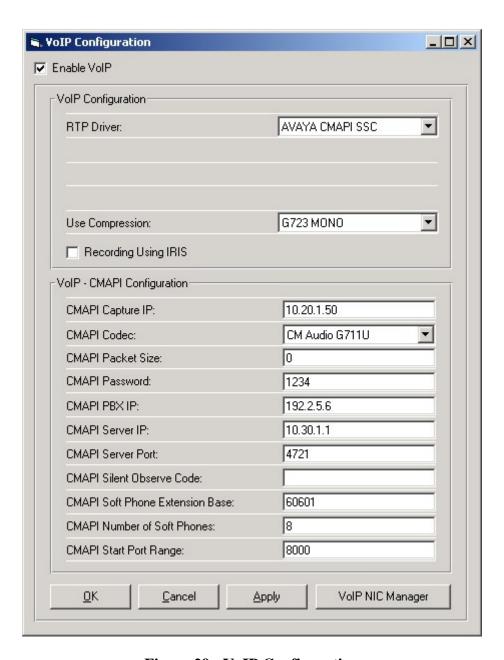


Figure 29: VoIP Configuration

Click Apply when completed. Click VoIP NIC Manager button displayed on Figure 29.

4. From the **VoIP NIC Manager** screen displayed in **Figure 30**, select and click the **Network Adapter** for **Capture NIC** (only one NIC board installed). Refer to **Reference [1]** and complete the **Capture NIC** setup.

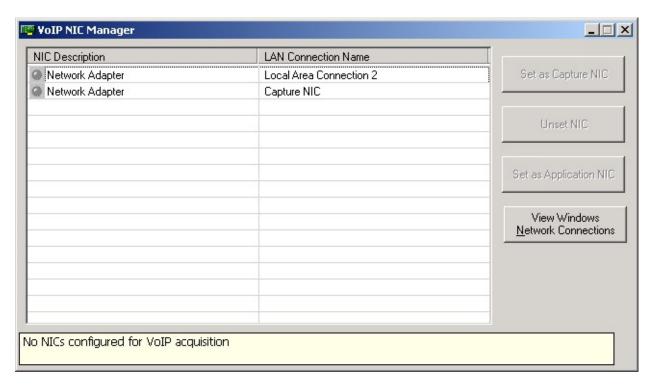


Figure 30: VoIP NIC Manger

- 5. From the Configuration Manager displayed in Figure 27, select and click the CTILink Configuration button. The CTILink Configuration screen in Figure 31 should be displayed. On the General Link tab, administer the following:
  - Server Name 1: 127.0.0.1
     Link Type Protocol: INTELLILINK
     Click Apply. Click the Options / Devices tab.

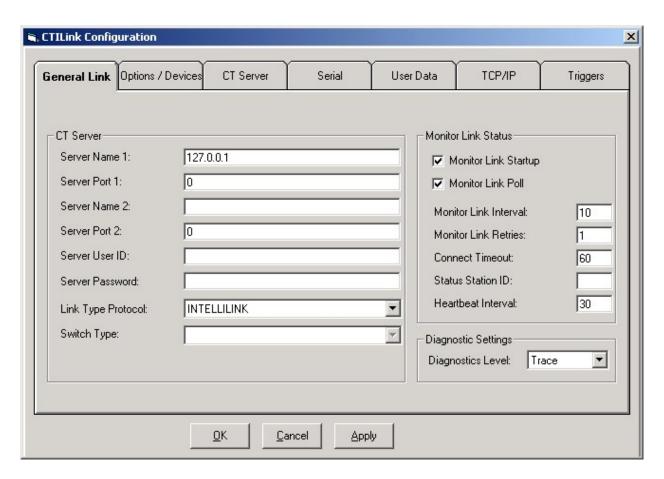


Figure 31: CTILink Configuration

- 6. The **Options / Devices** screen in **Figure 32** should be displayed. Enable (check mark) the following **Misc Options**:
  - Enable Enhanced Call Tracking:
  - Enable Free Seating:
  - Enable Service Observe:

Click **Apply**. Click the **CT Server** tab.

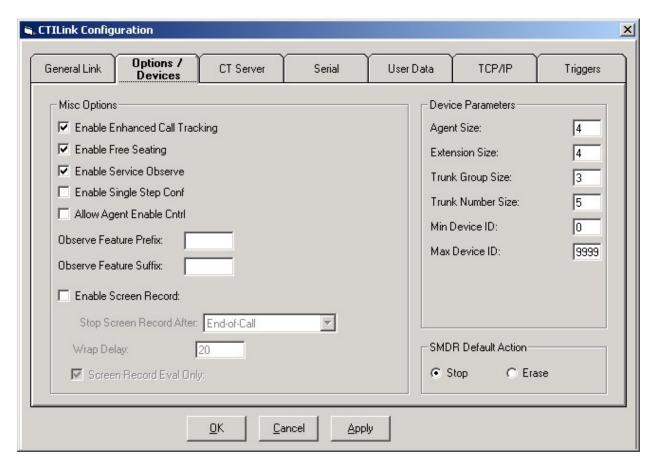
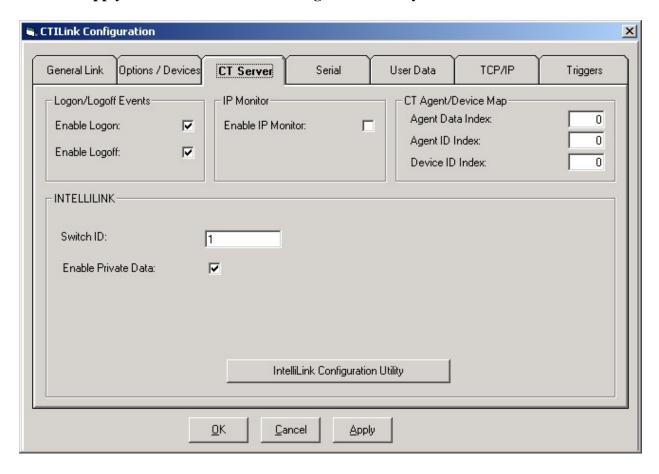


Figure 32: Options / Devices Configuration

- 7. The **CT Server** screen in **Figure 33** should be displayed. Enable (check mark) the following:
  - Enable Login:
  - Enable Logoff:
  - Enable Private Data:
  - **Switch ID:** 1 (default)

Click Apply. Click the IntelliLink Configuration Utility.



**Figure 33: CT Server Configuration** 

8. From the **Recording Mode** drop-down list box on the **General** displayed in **Figure 34**, select **Station Side**. Then right-click on the **IntelliLink** empty left panel.

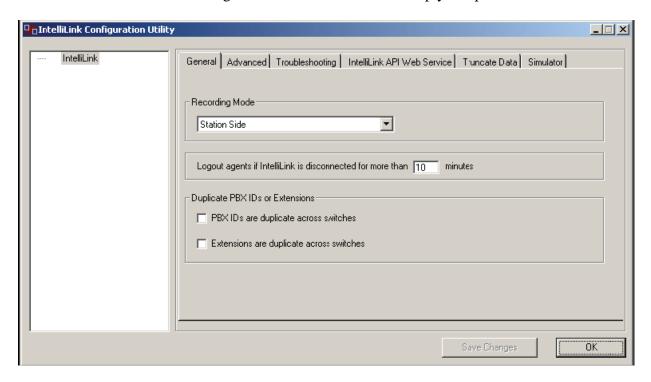


Figure 34: IntelliLink Configuration Utility

9. From the **Switch Type** list displayed as in **Figure 35**, select **Avaya Communication Manager** and click **Next**.



Figure 35: Switch Selection

Select the protocol:

Protocol

ASAI
Avaya Interaction Center
Genesys
Cisco ICM
TSAPI

10. From the **Protocol** list displayed in **Figure 36**, select **TSAPI** and click Next.

Figure 36: Protocol Selection

 $\underline{N}$ ext  $\rightarrow$ 

Cancel

11. A **Confirmation** dialog box should be displayed (not shown) confirming the switch and protocol selected followed by the information provided in **Figure 37**.

<- Back

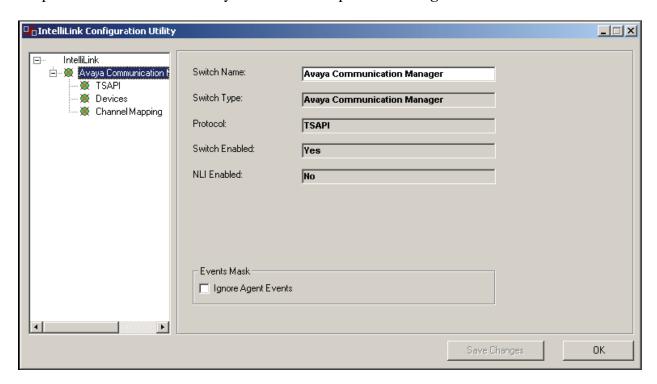
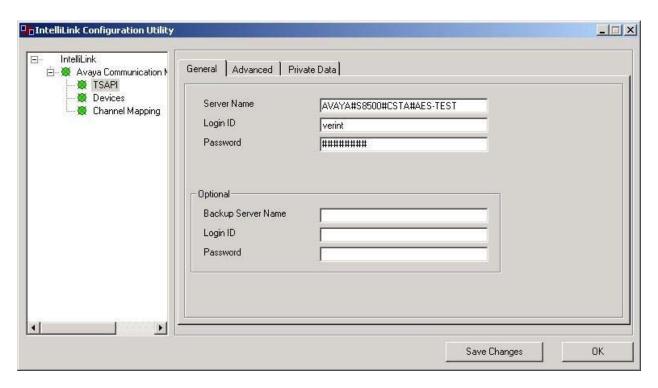


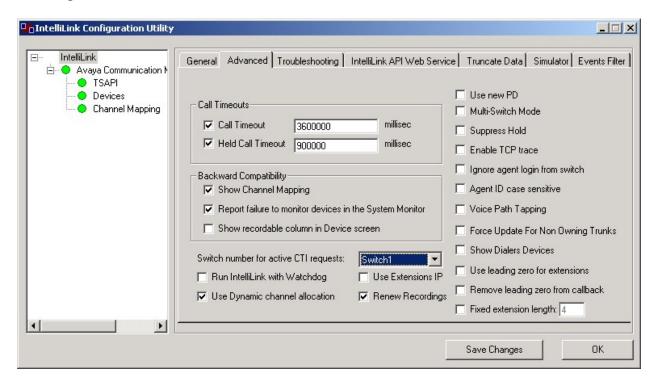
Figure 37: Selected Parameters

12. Click on the **TSAPI** node on the left panel and enter the **Server Name** as in **Section 4.4**, **Step 4** and the **Login ID** and **Password** administered in **Section 4.6**, **Step 1** as displayed in **Figure 38**. Click **Save Changes** when completed and then on the left panel once again, click on the **IntelliLink** node.



**Figure 38: TSAPI Information** 

13. Click on the **Advanced** tab on the **IntelliLink Configuration Utility** displayed in **Figure 39** and enable **Use Dynamic channel allocation** and **Renew Recordings** and select **Switch1** for **Switch number for active CTI requests:** as displayed in **Figure 39**. **Save Changes** when completed.



**Figure 39: Additional Information** 

## 5.2. Add Station Extensions Verint Systems Audiolog

From the **Configuration Manager** displayed in **Figure 27**, select and click the **Integration** button. The **Integration** screen in **Figure 40** should be displayed.

1. Select the **Type** field under **Device Maintenance** and select the (telephone) icon. Enter the **DeviceID** corresponding to each Avaya Communication telephone device used for the compliance test. In this case, extension **60201** has been added. Click **Enable** and **PM**.

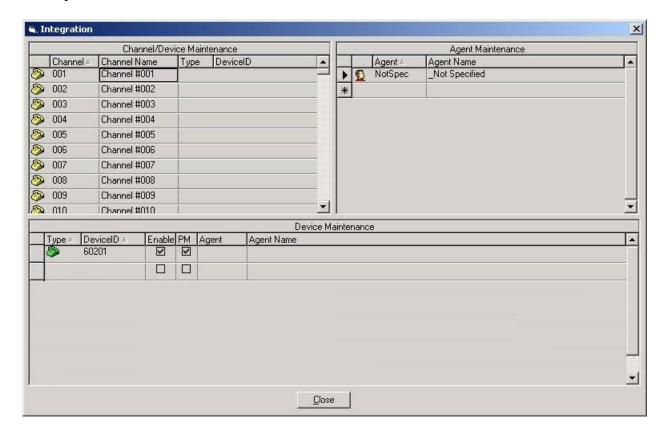


Figure 40: Integrating Devices

2. Repeat Step 1 for all telephone devices. Include administered Automatic Call Distribution (ACD) telephone number(s) administered within Avaya Communication Manager, and do not enable the PM check-box for the ACD, as was compliance tested. This is applicable if the Verint Systems Audiolog Free Seating option is selected (Figure 32) and the customer wants Audiolog to keep track of logon and logoff events, and assign agents to stations accordingly.

## 6. Interoperability Compliance Testing

The Interoperability compliance test included selected feature functionality, load, and serviceability testing.

The feature functionality testing focused on verifying Verint Systems Audiolog voice recording and archiving of simple telephone conversations, along with more complicated conversations that involved incoming and outgoing Transferring, Conferencing, and placed and release calls from Hold. In addition, playback of archived conversations was continually used during the compliance test to verify the previous telephone conversation. Monitoring the Caller/Called Number, among many other parameters, were also displayed during the compliance test.

The load testing focused on verifying the ability of Verint Systems Audiolog to record conversation to six (6) user extensions over a period of time from a moderate traffic load.

The serviceability testing focused on verifying the ability of Verint Systems Audiolog to recover from adverse conditions, such as busying out the CTI link and disconnecting the Ethernet cable for the CTI link.

#### 6.1. General Test Approach

Compliance testing took on a three phase approach that was comprised of the following:

- Installation and configuration of the Verint Systems Audiolog solution
- Interoperability feature test cases between Verint Systems Audiolog and Avaya Communication Manager
- Serviceability and performance tests of the Verint Systems Audiolog solution

Verint Systems Audiolog hardware server platform is pre-loaded prior to the compliance test. Configuring the appropriate system parameters to operate with the Avaya Application Enablement Services was setup on site, and was performed by the Verint test engineer without difficulty.

The verification of all interoperability feature test cases included manually checking proper states at the telephone sets, and monitoring the report logs on the Verint Systems Audiolog application.

The performance test cases were performed by generating ~ 720 calls over a 60 minute period to 6 available agents, and by verify accuracy of various real-time and historical analysis reports using the Verint Systems Audiolog application.

The serviceability test cases were performed manually by busying out and releasing the CTI link, and by disconnecting and reconnecting the LAN cables.

#### 6.2. Test Results

There was an issue getting G.729 functioning. This was rectified by changing the CMAPI Packet Size from 172 to 0. See **Figure 29**.

There was an issue logging in using the Verint credentials created with Avaya Enablement Services. A fixed to Verint Systems Service Pack 2 was applied.

During serviceability testing, disconnecting / reconnecting the Verint Systems Audiolog server from the network caused call cataloging to stop occurring. A Registry parameter required being changed as a result.

All test cases have passed successfully.

# 7. Verification Steps

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

### 7.1. Verify Avaya Communication Manager

Verify the status of the administered CTI link by using the **status aesvcs cti-link** command as shown in **Figure 41**.

status aesvcs cti-link						
AE SERVICES CTI LINK STATUS						
CTI Link	Version	Mnt Busy	AE Services Server	Service State	Msgs Sent	Msgs Rcvd
1	4	no	AES-Test	established	186	48

Figure 41: Status Aesvcs CTI-link

### 7.2. Verify Avaya Enablement Services

1. From the Avaya Application Enablement Services **CTI OAM Home** menu, verify the status of the switch connection by selecting **Status and Control > Switch Conn Summary**, as shown in **Figure 42**.

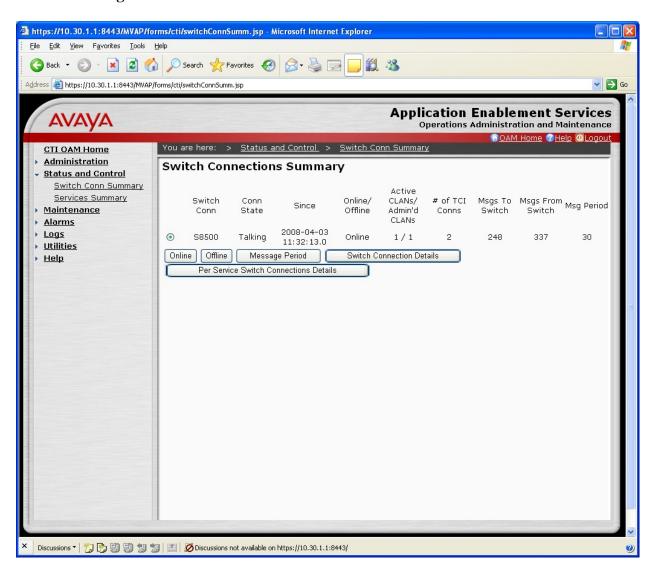


Figure 42: Switch Connections Summary

Verify the status of the TSAPI link by selecting Status and Control > Services Summary
from the Avaya Application Enablement Services CTI OAM Home menu shown in Figure
43. Click on TSAPI Service, followed by Details.

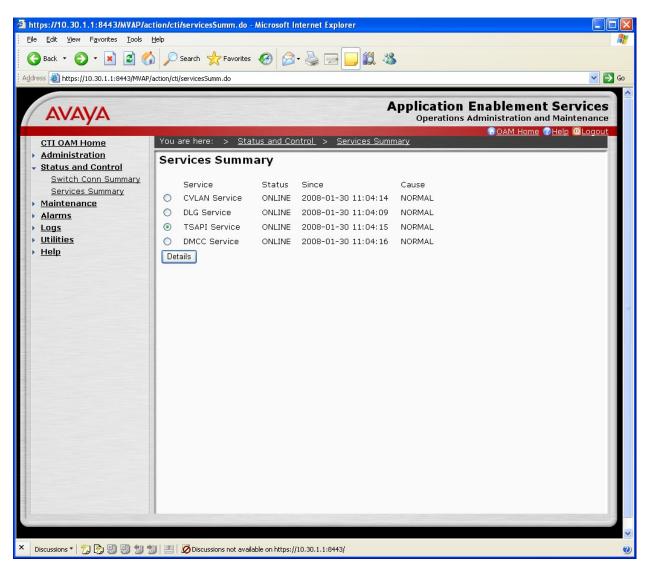


Figure 43: Services Summary

3. The TSAPI Link Details screen is displayed, as shown in **Figure 44**.

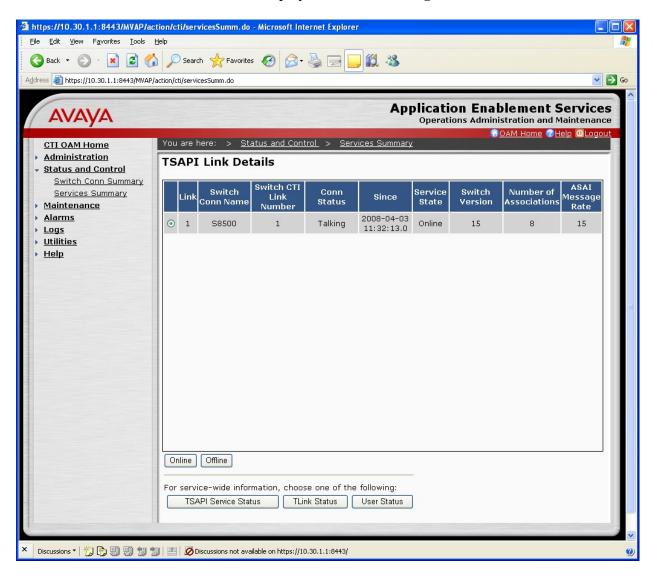


Figure 44: TSAPI Link Details

4. Verify the status of **DMCC Service** by selecting **Status and Control > Services Summary** from the Avaya Application Enablement Services **CTI OAM Home** menu shown in **Figure 45**.

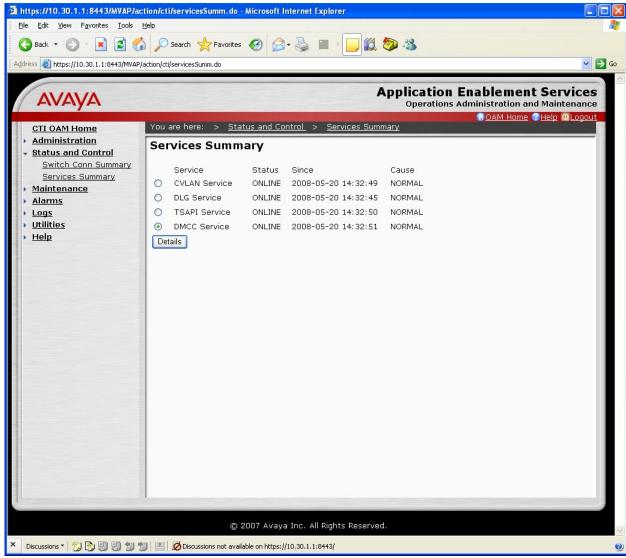
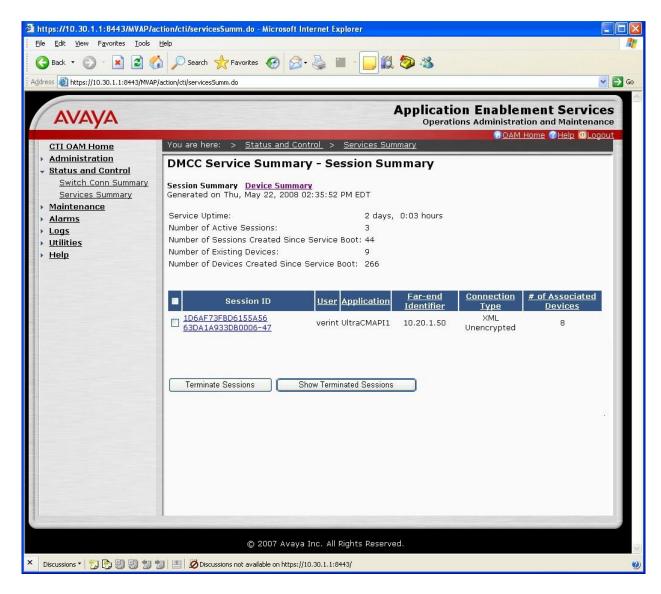


Figure 45: DMCC Service

5. Select **DMCC Services** click on **Details. Figure 46** displays the active session ID with Verint. Click on the **Session ID** number.



**Figure 46: Active Session** 

6. The DMCC **Summary** displayed in **Figure 47** shows a list of virtual stations configured in **Section 3.4, Step 1** for Single Step Conferencing, and are registered by Verint Systems Audiolog software. For each User / Agent extension being recorded, one of these registered DeviceID is assigned.

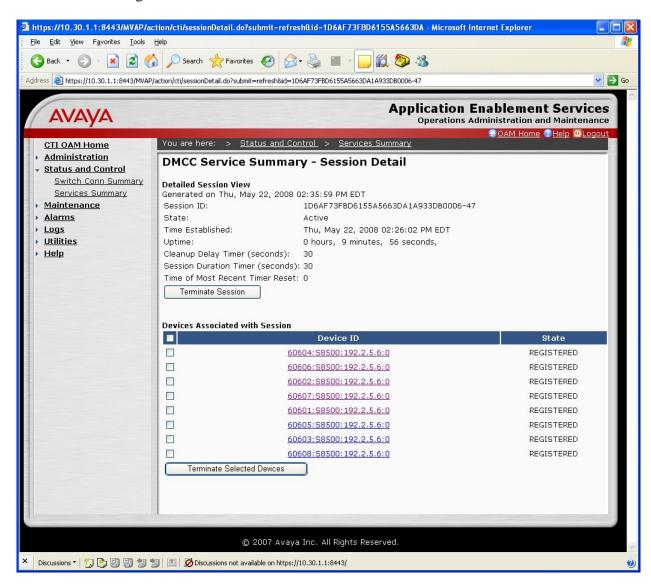


Figure 47: Virtual Device Registered

### 7.3. Verint Systems Audiolog Monitoring

1. Verify monitoring on the Verint Systems Audiolog application; activate the Manager and CTILink applications. **Figure 48** displays information regarding the previous call in terms of channel utilized, duration, etc.

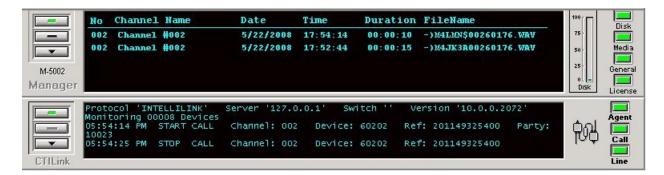


Figure 48: Verint Systems Audiolog User Application

2. Click the (middle) button on the Player application as in **Figure 49**.



Figure 49: Play Application

#### 7.4. Verint Systems Audiolog Reports

Details relating to any recorded call can be located within the Player application.

1. Many details related to a call can be located and categorized within this application. Listening to details of any call can also be performed.

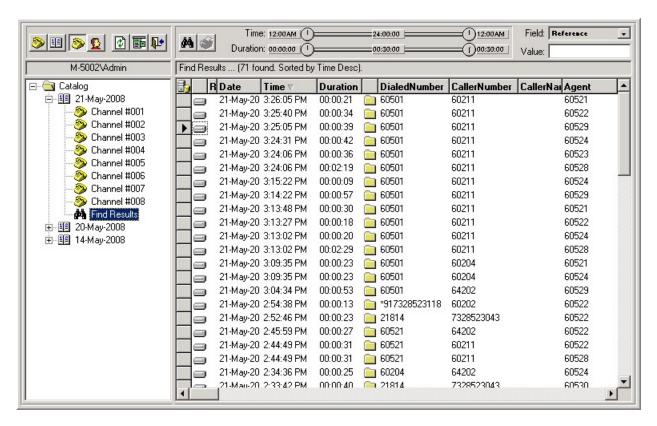


Figure 50: Report and Results

## 8. Support

Verint Systems Audiolog systems are sold through system resellers. For technical support, the reseller should be first contacted. For other Verint Systems information, contact the following:

- Call the Verint Systems technical support at 1(866) 787-2020.
- Submit a questionnaire to Verint Systems technical support at <a href="mailto:ESSupport@verint.com">ESSupport@verint.com</a>.
- For more information visit http://www.verint.com.

#### 9. Conclusion

These Application Notes describe the configuration steps required for Verint Systems Audiolog Release 4.0 Service Pack 2 to successfully interoperate with Avaya Communication Manager 5.0.0 using Avaya Application Enablement Services 4.1. All feature functionality and serviceability test cases were completed successfully.

# 10. Additional References

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

 $\begin{tabular}{ll} \textbf{[1]} \textit{Verint Audiolog CTI Integration}. & \textbf{CTILink-IntelliLink Integration Note.} & \textbf{Version C-May 2008, CTI\_IL\_008C}. \\ \end{tabular}$ 

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