

Avaya Solution & Interoperability Test Lab

Application Notes for CallCopy cc:Discover with Avaya Aura® Communication Manager and Avaya Aura® Application Enablement Services using Multi Registration for Recordings – Issue 1.0

Abstract

These Application Notes describe the configuration steps required for CallCopy cc:Discover to interoperate with Avaya Aura® Communication Manager and Avaya Aura® Application Enablement Services using Multi Registration for Recordings.

The cc:Discover is a software-only solution for voice call recording that offers various recording, playback and archiving features and options.

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

CallCopy cc:Discover is a software-only solution for voice call recording that offers various recording, playback and archiving features and options. By combining media redirection from Avaya Aura® Communication Manager and Avaya Aura® Application Enablement Services with Multi Registration, call recording can be achieved without the use of physical connections to the CallCopy server other than standard network connections.

CallCopy cc:Discover uses the Telephony Services API (TSAPI) of Application Enablement Services to receive call related events. CallCopy cc:Discover's internal scheduling algorithm makes the determination on which calls should be recorded based on the events received via the TSAPI link and customer recording requirements.

2. General Test Approach and Test Results

All test cases were performed manually. The general approach was to place various types of calls to and from stations, and agents. These trunk calls were then monitored and recorded using CallCopy cc:Discover. The recordings were verified for each call. For feature testing, the types of calls included inbound and outbound trunk calls, transferred calls, bridged calls, and conferenced calls. For serviceability testing, failures such as cable pulls, busyouts/releases of the trunk group, and resets were applied.

2.1. Interoperability Compliance Testing

The interoperability compliance test included feature and serviceability testing. The feature testing evaluated the ability of CallCopy cc:Discover to monitor and record calls placed to and from stations and agents. The serviceability testing introduced failure scenarios to see if CallCopy cc:Discover could resume recording after failure recovery.

2.2. Test Results

The test objectives were verified. For serviceability testing, CallCopy cc:Discover operated properly after recovering from failures such as cable disconnects, and resets of CallCopy cc:Discover, Application Enablement Services and Communication Manager.

2.3. Support

Technical support on the cc:Discover can be obtained through the following:

• **Phone:** (888) 922-5526 (Option 2)

• Web: http://support.callcopy.com/or http://www.callcopy.com/support

3. Reference Configuration

Figure 1 illustrates the configuration used in these Application Notes. CallCopy cc:Discover was connected to the Communication Manager and Application Enablement Services highlighted in grey in the figure below. The other system shown below was used in the execution of various test cases but is not directly part of the solution. As such, it is not included in the configuration described in these Application Notes.

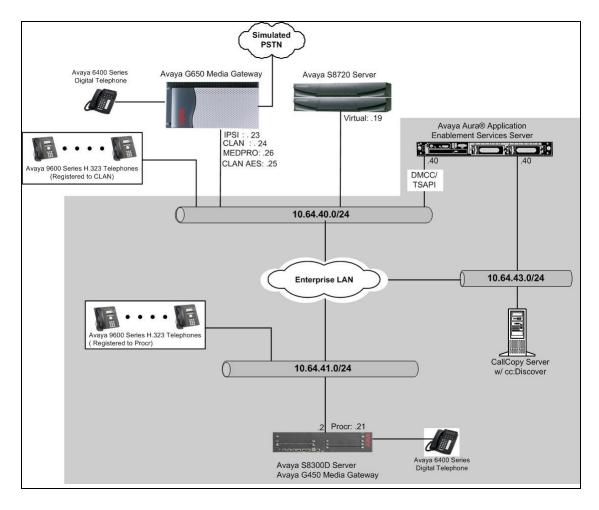


Figure 1: CallCopy cc:Discover with Avaya Aura®Communication Manager and Avaya Aura® Application Enablement Services

4. Equipment and Software Validated

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

Equipment	Software/Firmware				
Avaya S8300D Server with Avaya G450 Media	Avaya Aura® Communication				
Gateway	Manager 6.0.1(R016x.00.1.510.1)				
	w/ patch 00.1.510.1-18860				
Avaya Aura® Application Enablement Services	6.1 (R6-1-0-20-0)				
Server					
Avaya S8700 Servers with Avaya G650 Media	Avaya Aura® Communication				
Gateway	Manager 5.2.1 (R015x.02.1.016.4)				
Avaya 9600 Series IP Telephones					
9620 (H.323)	3.1				
9630 (H.323)	3.1				
Avaya 9600 Series SIP Telephones					
9630 (SIP)	2.6.4				
9640 (SIP)	2.6.4				
9650 (SIP)	2.6.4				
Avaya 6400 Series Digital Telephones	N/A				
Avaya C363T-PWR Converged Stackable Switch	4.5.14				
Extreme Networks Summit 48	4.1.21				
CallCopy cc:Discover	4.5 SP1				

5. Configure Avaya Aura® Communication Manager

This section provides the procedures for configuring hunt/skill group, vectors, Vector Directory Numbers (VDN), agents, agent login/logout feature access codes, recording ports and recording (DMCC) stations, recorded stations, IP codec, IP network regions, and the Computer Telephony Interface (CTI) link in Communication Manager to integrate with cc:Discover. All the configuration changes in Communication Manager are performed through the System Access Terminal (SAT) interface. The highlights in the following screens indicate the values used during the compliance test. For the compliance testing, the following contact center devices were used.

Device Type	Device Number/Extension		
VDN	72073		
Vector	88		
Skill group	88		
Logical agent IDs	72091, 72092, 72093, 72094, 72095		
	IP Telephones: 72001, 72002, 72003		
Recorded stations (IP Telephones)	DCP Telephone: 72007		
	IP Agents: 72006		

5.1. Hunt/Skill Groups, Agent Logins, and Call Vectoring

Enter the **display system-parameters customer-options** command. On **Page 6**, verify that the ACD and Vectoring (Basic) fields are set to **y**. If not, contact an authorized Avaya account representative to obtain these licenses.

```
display system-parameters customer-options
                                                                    Page
                                                                           6 of 11
                          CALL CENTER OPTIONAL FEATURES
                           Call Center Release: 6.0
                                 ACD? y
                                                                  Reason Codes? y
                       BCMS (Basic)? y
                                                     Service Level Maximizer? n
                                           Service Level Maximizer: n
Service Observing (Basic)? y
         BCMS/VuStats Service Level? y
                                            Service Observing (Remote/By FAC)? y
  BSR Local Treatment for IP & ISDN? y
                                           Service Observing (VDNs)? y
                  Business Advocate? n
                    Call Work Codes? y
                                                                     Timed ACW? y
      DTMF Feedback Signals For VRU? y
                                                             Vectoring (Basic)? y
                                                        Vectoring (Prompting)? y
                   Dynamic Advocate? n
                                                   Vectoring (G3V4 Enhanced)? y
       Expert Agent Selection (EAS)? y
                            EAS-PHD? y
                                                     Vectoring (3.0 Enhanced)? y
                   Forced ACD Calls? n Vectoring (ANI/II-Digits Routing)? y
st Occupied Agent? v Vectoring (G3V4 Advanced Routing)? v
               Least Occupied Agent? y
                                            Vectoring (G3V4 Advanced Routing)? y
          Lookahead Interflow (LAI)? y
                                                             Vectoring (CINFO)? y
Multiple Call Handling (On Request)? y
                                            Vectoring (Best Service Routing)? y
    Multiple Call Handling (Forced)? y
                                                         Vectoring (Holidays)? y
  PASTE (Display PBX Data on Phone)? y
                                                        Vectoring (Variables)? y
        (NOTE: You must logoff & login to effect the permission changes.)
```

Enter the **add hunt-group n** command, where **n** is an unused hunt group number. On **Page 1** of the hunt-group form, assign a descriptive **Group Name** and **Group Extension** valid in the provisioned dial plan. Set the **ACD**, **Queue**, and **Vector** fields to **y**. When ACD is enabled, hunt group members serve as ACD agents and must log in to receive ACD split/skill calls. When Queue is enabled, calls to the hunt group will be served by a queue. When Vector is enabled, the hunt group will be vector controlled.

```
add hunt-group 88
                                                              Page
                                                                     1 of
                                 HUNT GROUP
           Group Number: 88
                                                         ACD? y
             Group Name: hunt-4-Callcopy
                                                        Queue? y
        Group Extension: 72088
                                                       Vector? y
             Group Type: ucd-mia
                     TN: 1
                    COR: 1
                                            MM Early Answer? n
          Security Code:
                                     Local Agent Preference? n
ISDN/SIP Caller Display:
            Queue Limit: unlimited
Calls Warning Threshold: Port:
 Time Warning Threshold:
                              Port:
```

On **Page 2**, set the **Skill** field to **y**, which means that agent membership in the hunt group is based on skills, rather than pre-programmed assignment to the hunt group.

```
AAS? n
Measured: none
Supervisor Extension:

Controlling Adjunct: none

Multiple Call Handling: none

Timed ACW Interval (sec): After Xfer or Held Call Drops? n
```

Enter the **add agent-loginID p** command, where **p** is a valid extension in the provisioned dial plan. On **Page 1** of the agent-loginID form, enter a descriptive **Name** and **Password**.

```
add agent-loginID 72091
                                                               Page
                                                                      1 of
                                                                            2
                                AGENT LOGINID
               Login ID: 72091
                                                                AAS? n
                   Name: Agent-1
                                                               AUDIX? n
                     TN: 1
                                                      LWC Reception: spe
                                            LWC Log External Calls? n
                    COR: 1
                                           AUDIX Name for Messaging:
          Coverage Path:
          Security Code:
                                       LoginID for ISDN/SIP Display? n
                                                          Password:
                                              Password (enter again):
                                                        Auto Answer: station
                                                  MIA Across Skills: system
                                          ACW Agent Considered Idle: system
                                          Aux Work Reason Code Type: system
                                            Logout Reason Code Type: system
                       Maximum time agent in ACW before logout (sec): system
                                           Forced Agent Logout Time:
    WARNING: Agent must log in again before changes take effect
```

On **Page 2**, set the **Skill Number** (SN) to the hunt group number previously created in this section. The **Skill Level** (SL) may be set according to customer requirements.

Repeat this step as necessary to configure additional agent extensions.

```
add agent-loginID 72091
                                                            Page 2 of
                               AGENT LOGINID
     Direct Agent Skill:
                                                     Service Objective? n
Call Handling Preference: skill-level
                                                Local Call Preference? n
                  SN RL SL
   SN RL SL
1: 88
                  16:
 2:
                  17:
3:
                  18:
                  19:
 4:
 5:
                  20:
```

Enter the **change vector q** command, where **q** is an unused vector number. Enter a descriptive Name, and program the vector to deliver calls to the hunt/skill group number. Agents that are logged into the hunt/skill group will be able to answer calls queued to the hunt/skill group.

```
CALL VECTOR

Number: 88

Name: Vector-callcopy

Multimedia? n Attendant Vectoring? n Meet-me Conf? n Lock? n

Basic? y EAS? y G3V4 Enhanced? y ANI/II-Digits? y ASAI Routing? y

Prompting? y LAI? y G3V4 Adv Route? y CINFO? y BSR? y Holidays? y

Variables? y 3.0 Enhanced? y

O1 wait-time 2 secs hearing ringback

O2 queue-to skill 88 pri m

O3
```

Enter the **add vdn r** command, where **r** is an extension valid in the provisioned dial plan. Specify a descriptive Name for the VDN and specify the vector configured in the previous step as the Vector Number. In the example below, incoming calls to extension 72073 will be routed to VDN 72073, which in turn will invoke the actions specified in vector 88.

```
add vdn 72073
                                                                 Page
                                                                        1 of
                            VECTOR DIRECTORY NUMBER
                             Extension: 72073
                                 Name*: VDN-Callcopy
                           Destination: Vector Number
                                                              88
                   Attendant Vectoring? n
                  Meet-me Conferencing? n
                   Allow VDN Override? n
                                   COR: 1
                                   TN*: 1
                              Measured: none
       VDN of Origin Annc. Extension*:
                            1st Skill*:
                            2nd Skill*:
                            3rd Skill*:
```

Enter the change feature-access-codes command. Define the Auto-In Access Code, Login Access Code, Logout Access Code, and Aux Work Access Code.

```
change feature-access-codes
                                                                Page 5 of 10
                              FEATURE ACCESS CODE (FAC)
                                 Call Center Features
 AGENT WORK MODES
                   After Call Work Access Code: 120
                            Assist Access Code: 121
                           Auto-In Access Code: 122
                          Aux Work Access Code: 123
                             Login Access Code: 124
                             Logout Access Code: 125
                         Manual-in Access Code: 126
 SERVICE OBSERVING
            Service Observing Listen Only Access Code: 127
            Service Observing Listen/Talk Access Code: 128
                Service Observing No Talk Access Code: 129
  Service Observing Next Call Listen Only Access Code:
```

Enter the **add abbreviated-dialing group g** command, where **g** is the number of an available abbreviated dialing group. In the **DIAL CODE** list, enter the **Feature Access Codes**, created previously, for ACD Login and Logout.

```
add abbreviated-dialing group 1

ABBREVIATED DIALING LIST

Group List: 1 Group Name: Call Center
Size (multiple of 5): 5 Program Ext: Privileged? n

DIAL CODE

01: 124
02: 125
03:
04:
05:
```

5.2. Recorded Stations

The stations that were recorded during the compliance testing include an Avaya Digital Telephone, Avaya IP Telephones (Avaya 9600 Series), and an Avaya one-X Agent. The extensions used were in the ranges 72001-72009.

Enter the **add station s** command, where **s** is an extension valid in the provisioned dial plan. On **Page 1** of the STATION form, set the **Type** field to an IP telephone set type and enter a descriptive name, specify the **Security Code**, and set the **IP SoftPhone** field to **y**.

Repeat this step as necessary, with the same **Security Code**, to configure additional DMCC stations.

```
add station 72001
                                                                        1 of
                                                                 Page
                                     STATION
Extension: 72001
                                                                        BCC: 0
                                          Lock Messages? n
                                                                          TN: 1
    Type: 9620
                                         Security Code: *
     Port: S00002
                                                                         COR: 1
                                      Coverage Path 1:
    Name: S8300-IP-1
                                       Coverage Path 2:
                                                                         cos: 1
                                      Hunt-to Station:
STATION OPTIONS
             Location: Time of Day Lock Table:
Loss Group: 19 Personalized Ringing Pattern: 1
      Speakerphone: 2-way

Display Language: english

Vable GK Node Name:
Survivable GK Node Name:
        Survivable COR: internal
                                                Media Complex Ext:
                                                      IP SoftPhone? y
  Survivable Trunk Dest? y
                                                IP Video Softphone? n
                              Short/Prefixed Registration Allowed: default
```

5.3. Audio Codec Configuration

Enter the **change ip-codec-set t** command, where **t** is a number between 1 and 7, inclusive.

Note: CallCopy cc:Discover supports G.711 (MU and A) and G.729. During the compliance test, G.711MU was utilized. The codec has to match between Communication Manager and CallCopy cc:Discover (recording codec).

```
change ip-codec-set 1

IP Codec Set

Codec Set: 1

Audio Silence Frames Packet
Codec Suppression Per Pkt Size(ms)

1: G.711MU n 2 20
2:
```

5.4. IP Network Regions

During compliance testing, a C-LAN board dedicated for H.323 endpoint registration was assigned to IP network region 1. Set the **Codec Set** field to 1. The Avaya IP Telephones and Avaya IP Agent, as well as Avaya AES DMCC stations used by the cc:Discover, registered with the C-LAN board (CLAN) and were thus also assigned to IP network region 1. One consequence of assigning the aforementioned Avaya IP Telephones, Avaya IP Agent, Avaya AES DMCC stations, and MedPro boards to a common IP network region is that the RTP traffic between them is governed by the same codec set.

```
change ip-network-region 1
                                                               Page 1 of 20
                              IP NETWORK REGION
 Region: 1
Location:
               Authoritative Domain: avaya.com
   Name:
MEDIA PARAMETERS
                               Intra-region IP-IP Direct Audio: yes
     Codec Set: 1
                               Inter-region IP-IP Direct Audio: yes
  UDP Port Min: 2048
                                         IP Audio Hairpinning? n
  UDP Port Max: 3329
DIFFSERV/TOS PARAMETERS
Call Control PHB Value: 46
       Audio PHB Value: 46
       Video PHB Value: 26
802.1P/Q PARAMETERS
Call Control 802.1p Priority: 6
       Audio 802.1p Priority: 6
       Video 802.1p Priority: 5
                                    AUDIO RESOURCE RESERVATION PARAMETERS
H.323 IP ENDPOINTS
                                                       RSVP Enabled? n
 H.323 Link Bounce Recovery? y
Idle Traffic Interval (sec): 20
  Keep-Alive Interval (sec): 5
           Keep-Alive Count: 5
```

5.5. Configure TSAPI CTI Link

Enter the **add cti-link m** command, where **m** is a number between 1 and 64, inclusive. Enter a valid **Extension** under the provisioned dial plan. Set the **Type** field to **ADJ-IP** and assign a descriptive **Name** to the CTI link. Default values may be used in the remaining fields.

```
add cti-link 4

CTI Link

CTI Link: 4

Extension: 72000

Type: ADJ-IP

COR: 1

Name: TSAPI
```

Enter the **change node-names ip** command. In the compliance-tested configuration, the proor IP address was utilized for registering H.323 endpoints (Avaya IP Telephones, Avaya IP Agents, and Avaya AES DMCC stations) and also was used for connectivity to the Application Enablement Services server.

change node-name	es ip	Pag	ge :	l of	2
	IP NODE NAMES				
Name	IP Address				
CLAN	10.64.40.24				
IPOffice	10.64.44.21				
SES	10.64.40.41				
SM-1	10.64.40.42				
SM-2	10.64.21.31				
aes	10.64.43.40				
default	0.0.0.0				
msgserver-ip	10.64.41.21				
pcr	204.27.235.31				
procr	10.64.41.21				
procr6	::				

Enter the **change ip-services** command. On **Page 1**, configure the **Service Type** field to **AESVCS** and the Enabled field to **y**. The **Local Node** field should be pointed to **procr** that was configured previously in the node-name ip form. During the compliance test, the default port was utilized for the **Local Port** field.

change ip-s	services				Page	1 of	4	
			IP SERVICE	S				
Service	Enabled	Local	Local	Remote	Remote			
Type		Node	Port	Node	Port			
AESVCS	y p	rocr	8765					
CDR1	p	rocr	0	pcr	5852			
CDR2	р	rocr	0	rdtt-1	9004			

On **Page 4**, enter the hostname of the AES server for the AE Services Server field. The server name may be obtained by logging in to the AES server using ssh, and run **uname –a**. Enter an alphanumeric password for the **Password** field. Set the Enabled field to **y**. The same password will be configured on the AES server in **Section 6.1**.

chang	e ip-se	vices		AE Services Administ	ration	Page	4 of	4	
Se	rver ID	AE	Services Server	Password	Enabled	Status			
	1:	aes			У	idle			
	2:								
	4:								
	5: 6:								

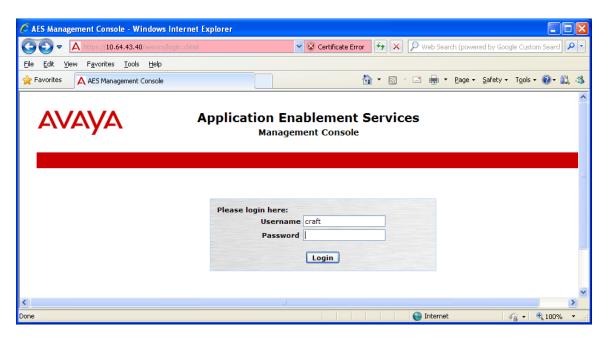
6. Configure Avaya Application Enablement Services

Application Enablement Services enable Computer Telephony Interface (CTI) applications to control and monitor telephony resources on Communication Manager. Application Enablement Services receive requests from CTI applications, and forwards them to Communication Manager. Conversely, Application Enablement Services receive responses and events from Communication Manager and forwards them to the appropriate CTI applications.

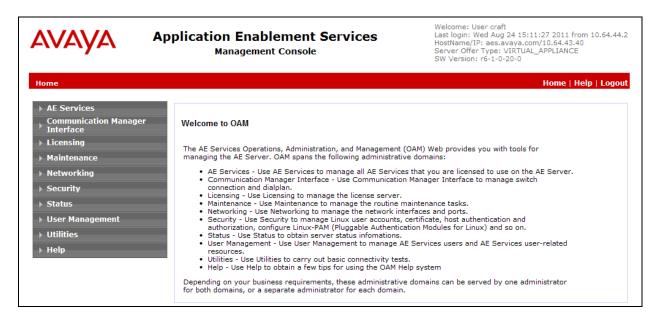
This section assumes that installation and basic administration of the Application Enablement Services server has been performed. The steps in this section describe the configuration of a Switch Connection, creating a CTI link for TSAPI, and a CTI user.

6.1. Configure Switch Connection

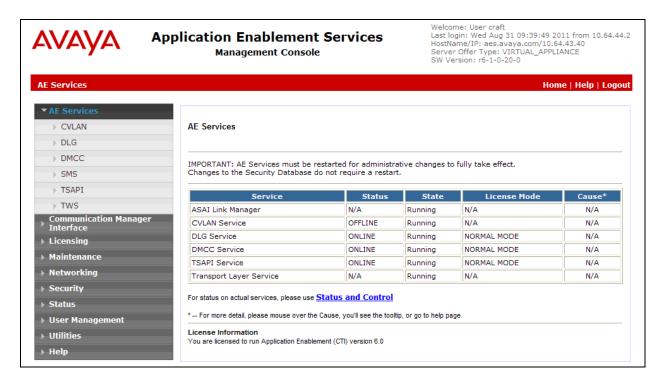
Launch a web browser, enter https://<IP address of AES server> in the URL, and log in with the appropriate credentials for accessing the Application Enablement Services Management Console page.



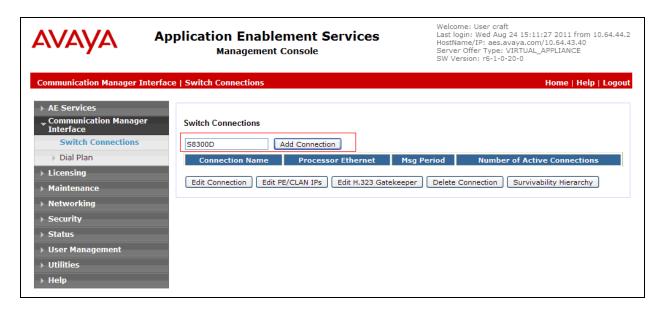
The Welcome to OAM screen is displayed next. Select **AE Services** from the left pane.



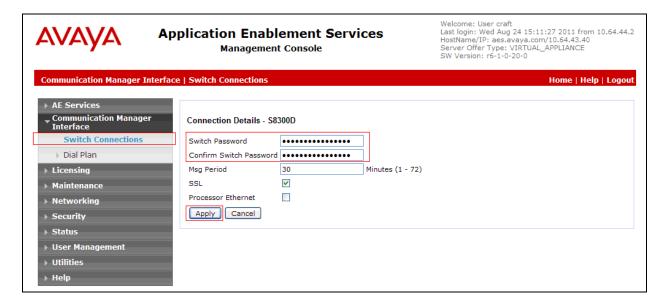
Verify that AES is licensed for the TSAPI service, as shown in the screen below.



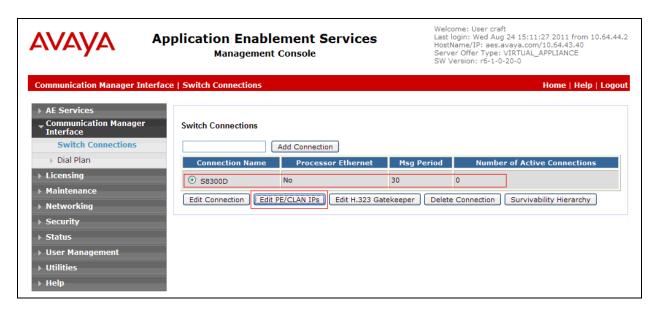
Click on Communication Manager Interface Switch Connections in the left pane to invoke the Switch Connections page. A Switch Connection defines a connection between the Application Enablement Services server and Communication Manager. Enter a descriptive name for the switch connection and click on Add Connection.



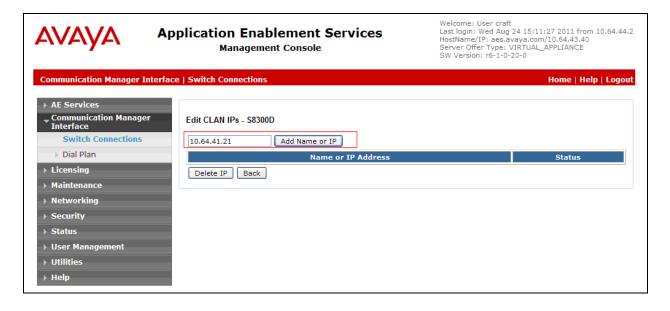
The next window that appears prompts for the Switch Password. Enter the same password that was administered on Communication Manager in **Section 5.5**. Default values may be used in the remaining fields. Click on **Apply**.



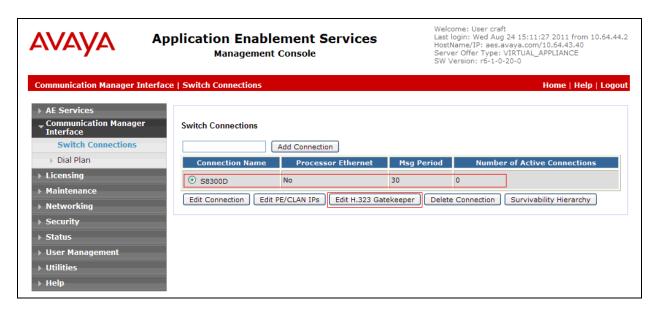
After returning to the Switch Connections page, select the radio button corresponding to the switch connection added previously, and click on **Edit PE/CLAN IPs**.



Enter the IP address of Procr used for Application Enablement Services connectivity from **Section 5.5**, and click on **Add Name or IP**.



After returning to the Switch Connections page, select the radio button corresponding to the switch connection added previously, and click on **Edit H.323 Gatekeeper**.

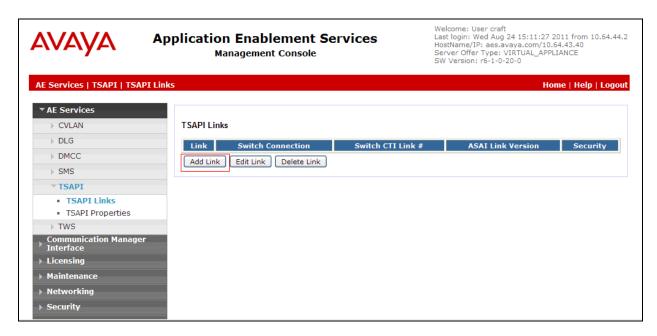


Enter the IP address of Procr used for Application Enablement Services connectivity from **Section 5.5**, and click on **Add Name or IP**.

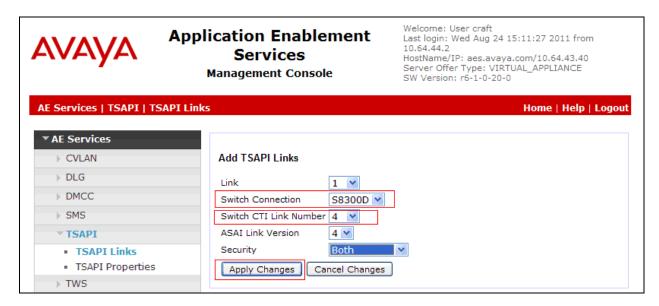


6.2. Configure TSAPI CTI Link

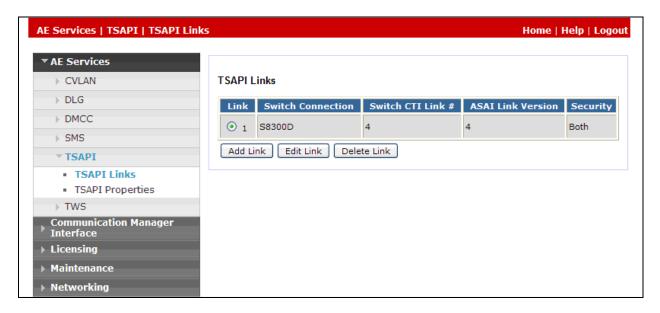
Navigate to **AE Services** → **TSAPI** → **TSAPI Links** to configure the TSAPI CTI link. Click the **Add Link** button to start configuring the TSAPI link.



Select the switch connection using the drop-down menu. Select the switch connection configured in **Section 6.1**. Select the **Switch CTI Link Number** using the drop-down menu. The CTI link number should match with the number configured in the cti-link form in **Section 5.5**. Click **Apply Changes**.



The following screen shows the TSAPI CTI link configuration.

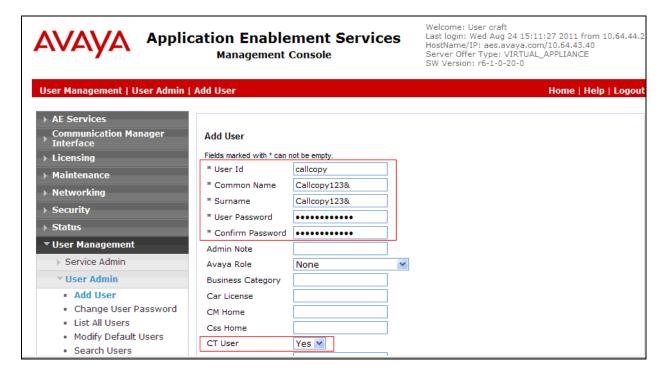


6.3. Configure CTI User

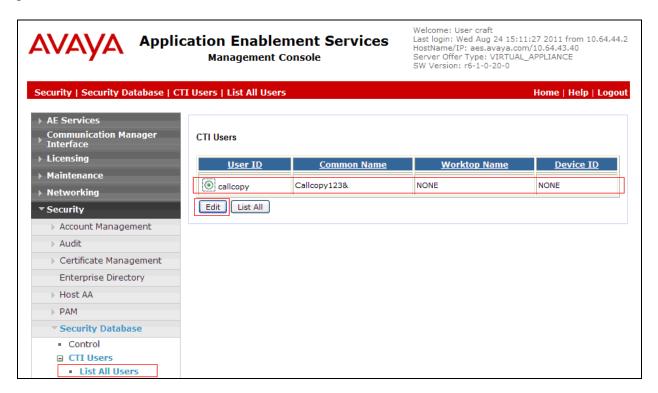
Navigate to **User Management** → **Add User**. On the Add User page, provide the following information:

- User Id
- Common Name
- Surname
- User Password
- Confirm Password

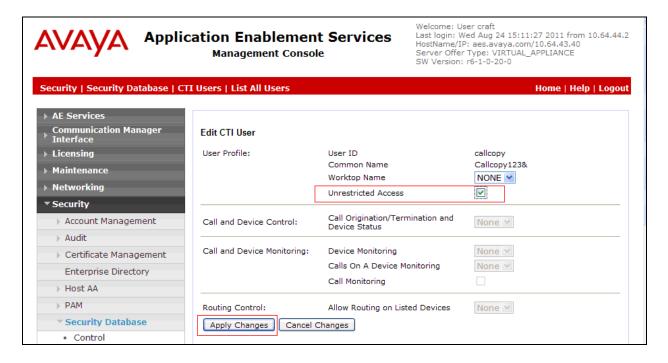
Select **Yes** using the drop-down menu on the **CT User** field. This enables the user as a CTI user. Click the **Apply** button (not shown here) at the bottom of the screen to complete the process. Default values may be used in the remaining fields.



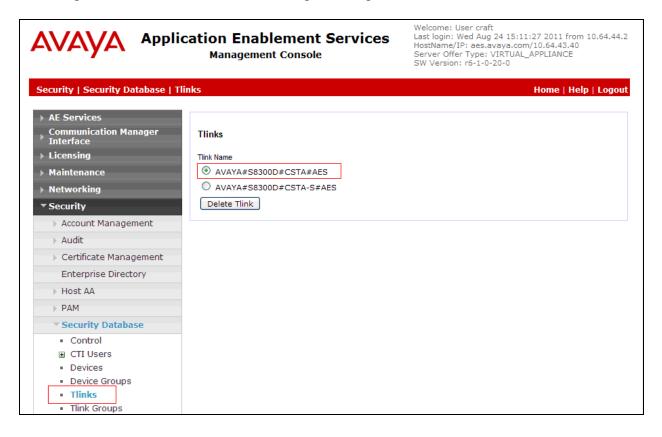
Once the user is created, navigate to the **Security Security Database CTI Users List All Users** page. Select the **User ID** created previously, and click the **Edit** button to set the permission of the user.



Provide the user with unrestricted access privileges by checking the **Unrestricted Access** check box. Click the **Apply Changes** button.



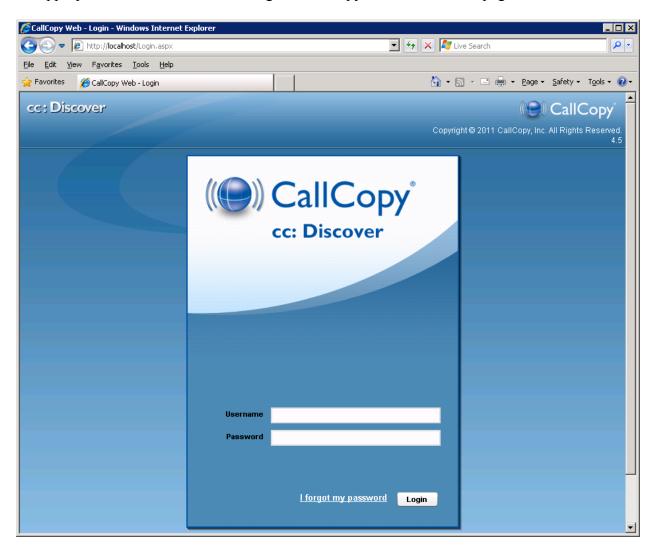
Navigate to the **Security** → **Security Database** → **Tlinks** page and verify the Tlink name. The following screen shows the Tlink used during the compliance test.



7. Configure CallCopy cc:Discover

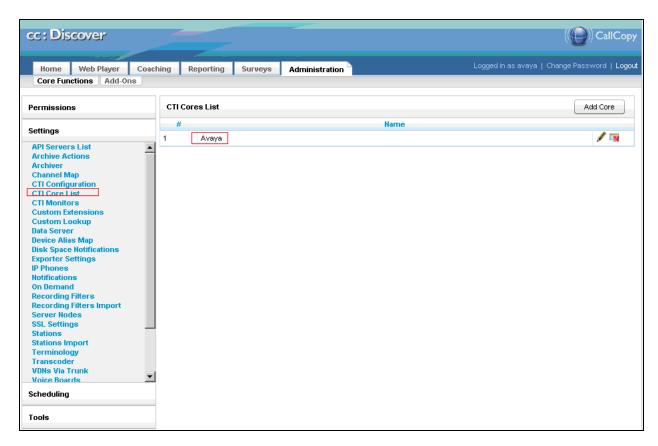
CallCopy installs, configures, and customizes the cc:Discover application for their end customers. This section only describes the interface section of the cc:Discover configuration.

Launch a web browser, enter <a href="http://<IP address of CallCopy server">http://<IP address of CallCopy server in the URL, and log in with the appropriate credentials for accessing the CallCopy cc:Discover main pages.

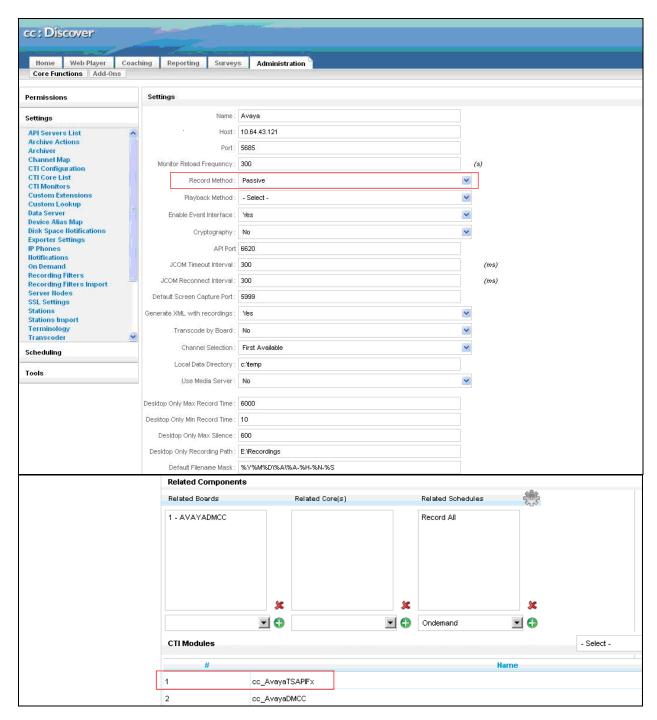


Select Administration on the top menu, and select the Settings \rightarrow CTI Core List link from the left pane to configure the interface. From the right pane, select Avaya.

Note: Avaya (CTI Core List) was created by a CallCopy engineer prior to the actual test.



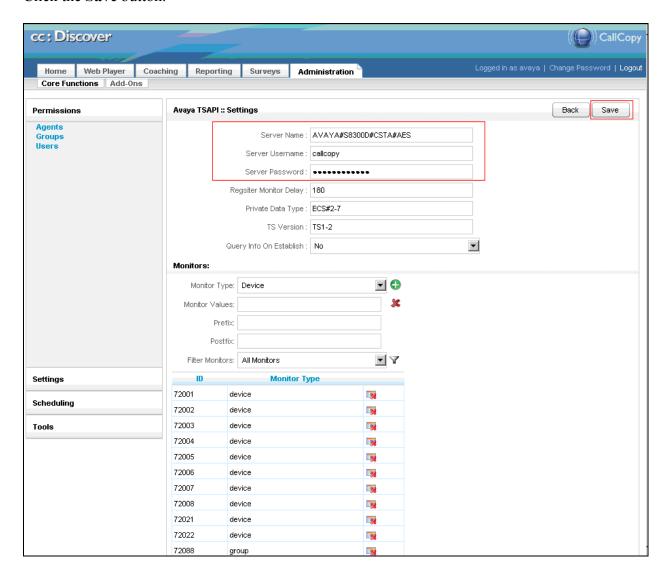
The following two screens show the CTI Settings screen. Select **Passive** as the **Record Method**. In the second screen, double click **cc_AvayaTSAPIFx**.



The following screen displays the **Avaya TSAPI:: Settings** page. Provide the following information:

- **Server Name** Enter the **TLink** name used in Application Enablement Services for the CTI Connect String field.
- Server Username Enter an appropriate CTI username that was created in Section 6.3.
- Server Password Enter an appropriate CTI password that was created in Section 6.3.

Click the **Save** button.

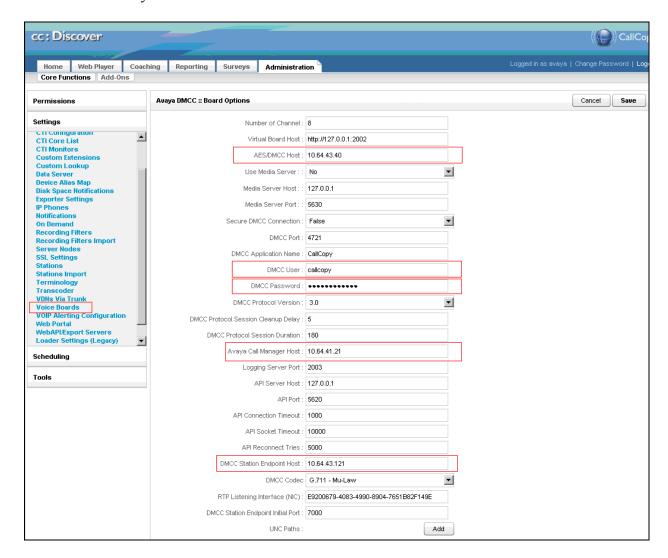


Select the **Voice Boards** link under the **Settings** section. To add a new board, click **Add Board** (not shown). From the **New Board** page, select **AVAYACMCC** as a Hardware Type, and click **Next** button (not shown). Provide the following information:

- **AES/DMCC Host** IP address of the AES/DMCC host.
- **DMCC User** DMCC username used for authenticating with Application Enablement Services during the DMCC session startup.
- **DMCC Password** DMCC password used for authenticating with Application Enablement Services during the DMCC session startup.
- Avaya Call Manager Host Procr (or CLAN) IP address of Communication Manager.
- **DMCC Station Endpoint Host** IP address that will be receiving the RTP/RTCP traffic from Communication Manager. This will be the server running the Avaya DMCC Integration (usually the CallCopy Server). You must enter the actual IP address of the server do not use localhost or 127.0.0.1.

Click the Save button.

Default values may be used for all other fields.



The following screen is a continuation of the previous screen. Enter all recording stations and a password for each station.

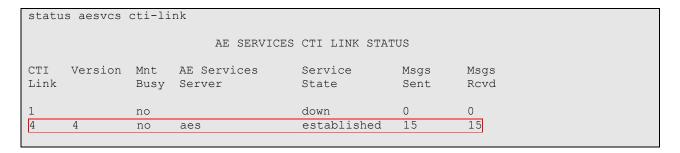
Board1 of 1 :: Channel Configuration					
#Assign	Station	Password	Name		
1 Anything	72501	1234			
2 Anything	72502	1234			
3 Anything	72503	1234			
4 Anything	72504	1234			
5 Anything	72505	1234			
6 Anything	72506	1234			
7 Anything	72507	1234			
8 Anything	72508	1234			

8. Verification Steps

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

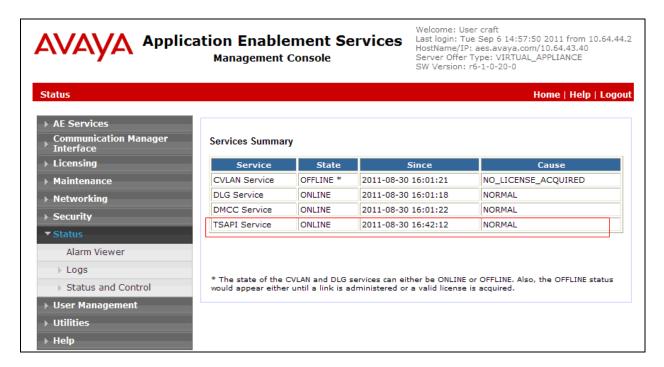
8.1. Verify Avaya Aura® Communication Manager

Verify the status of the administered CTI link by using the **status aesvcs cti-link** command. Verify the Service State is "**established**" for the CTI link number administered in **Section 5.5**, as shown below.

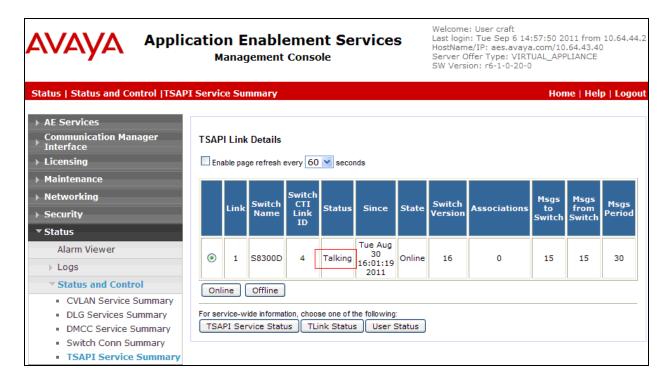


8.2. Verify Avaya Aura® Application Enablement Services

From the Application Enablement Services Management Console web pages, verify the state of the TSAPI Service is set to **ONLINE** by selecting **Status** from the left pane.



The **TSAPI Link Details** screen is displayed. Verify that the **Status** is **Talking**, as shown below.



9. Conclusion

These Application Notes describe the configuration steps required for CallCopy cc:Discover (Version 4.5 SP1) to interoperate with Avaya Aura® Communication Manager 6.0.1 and Avaya Application Enablement Services 6.1. All feature and serviceability test cases were completed.

10. Additional References

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

- [1] *Administering Avaya Aura* TM *Communication Manager*, Document 03-300509, Issue 6.0, June 2010 available at http://support.avaya.com.
- [2] Avaya Aura® Application Enablement Services Administration and Maintenance Guide, Release 6.1, Issue 2, February 20011 available at http://support.avaya.com
- [3] CallCopy Avaya DMCC Integration.
- [4] CallCopy Avaya TSAPI Integration.

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