DevConnect Program

Application Notes for IntraNext SmartSIP 10.4 with Avaya Aura® Application Enablement Services 10.1, Avaya Aura® Session Manager 10.1 and Avaya Session Border Controller 10.1 - Issue 1.0

Abstract

These Application Notes describe the configuration steps required for IntraNext SmartSIP 10.4 to interoperate with Avaya Aura® Application Enablement Services 10.1, Avaya Aura® Session Manager 10.1 and Avaya Session Border Controller 10.1. IntraNext SmartSIP is a contact center solution.

In the compliance testing, IntraNext SmartSIP used the Telephony Services Application Programming Interface from Avaya Aura® Application Enablement Services to monitor agent stations on Avaya Aura® Communication Manager to trigger start/stop of call recordings and the ability to collect DTMF digits via SIP INFO.

Readers should pay attention to Section 2, in particular the scope of testing as outlined in Section 2.1 as well as any observations noted in Section 2.2, to ensure that their own use cases are adequately covered by this scope and results.

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

1. Introduction

These Application Notes describe the configuration steps required for IntraNext SmartSIP 10.4 to interoperate with Avaya Aura® Application Enablement Services 10.1, Avaya Aura® Session Manager 10.1 and Avaya Session Border Controller 10.1. IntraNext SmartSIP is a contact center solution.

In the compliance testing, IntraNext SmartSIP used the Telephony Services Application Programming Interface (TSAPI) from Avaya Aura® Application Enablement Services (AES) to monitor agent stations on Avaya Aura® Communication Manager to trigger start/stop of call recordings and the ability to collect DTMF digits via SIP INFO while masking the tones from the agent on the call.

Intranext SmartSIP sits between Avaya Aura® Session Manager and Avaya Session Border Controller (SBC) and connects via SIP trunks. All inbound and outbound PSTN calls are routed through Intranext SmartSIP, which stays in the call path to facilitate call recordings.

2. General Test Approach and Test Results

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

Incoming ACD calls were placed to, and outbound calls were placed from, available agents that were logged into a sample CRM system via the IntraNext Development Portal to verify the usage of the events from TSAPI to trigger stop/start of call recordings, and the ability to collect DTMF digits via SIP INFO.

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

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 this Application Note, the interface between Avaya systems and SmartSIP utilized encrypted TSAPI with Application Enablement Services.

2.1. Interoperability Compliance Testing

The interoperability compliance test included feature and serviceability testing.

The feature testing focused on verifying the following on SmartSIP:

- Use of TSAPI query services to query device information, name, agent state, and universal call ID.
- Use of TSAPI monitoring and event report services to monitor agent stations.
- Use of TSAPI snapshot services to obtain information on agent stations and existing calls.
- Ability to collect DTMF digits via SIP INFO and mask the tones to the agent.

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

2.2. Test Results

All test cases were executed and passed.

2.3. Support

Technical support on IntraNext SmartSIP can be obtained through the following:

- **Phone:** (800) 928-6398
- **Email :** support@intranext.com

3. Reference Configuration

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

In the compliance testing, SmartSIP monitored agent stations associated with the agent IDs shown in the table below. SmartSIP connects to SBC and Session Manager via SIP trunks.

Device Type	Extension
Agent Station	65001 (H.323), 66006 (SIP)
Agent ID	65881, 65882
Agent Password	65881, 65882

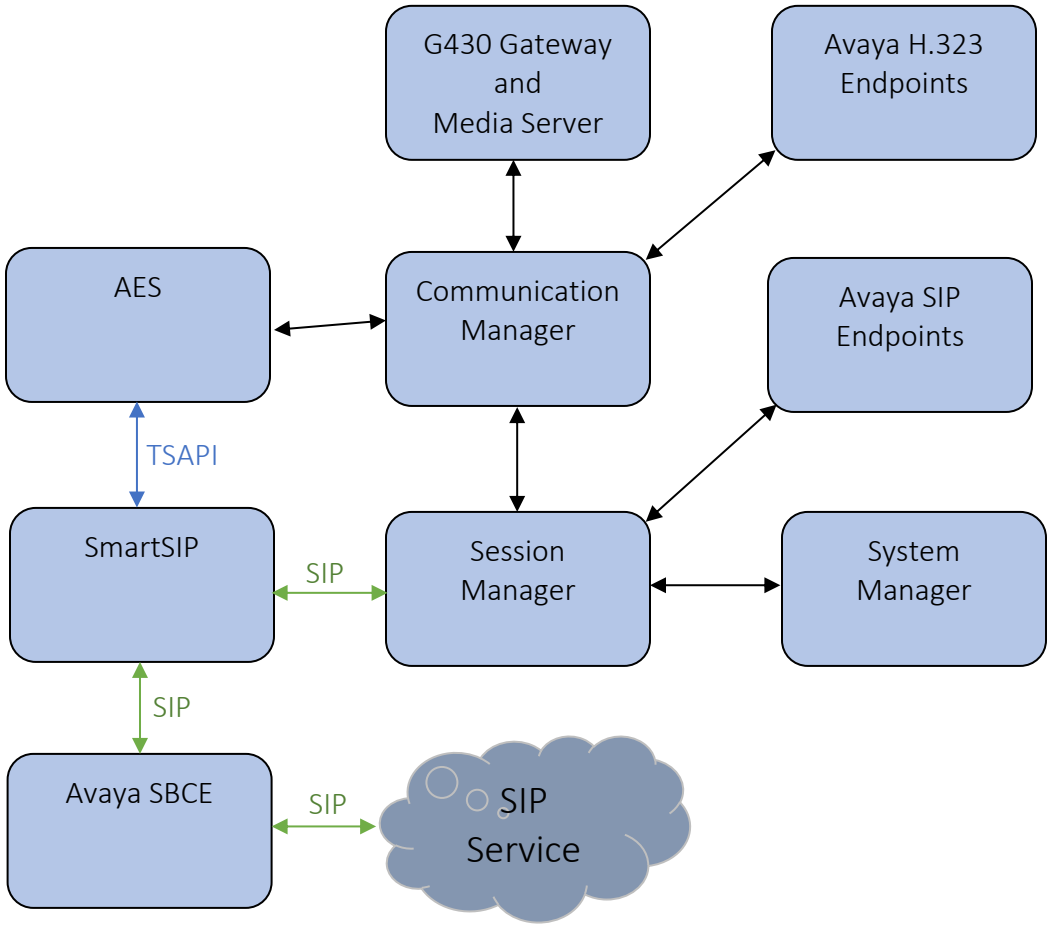


Figure 1: Test Configuration for IntraNext SmartSIP and Avaya Aura® Environment.

4. Equipment and Software Validated

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

Equipment/Software	Release/Version
Avaya Aura® Communication Manager in Virtual Environment	10.1.3 (10.1.3.0.1.974.27893)
Avaya G430 Media Gateway	42.8.0
Avaya Aura® Media Server in Virtual Environment	10.1 (10.1.0.154)
Avaya Aura® Application Enablement Services in Virtual Environment	10.1. (10.1.3.0.0.11-0)
Avaya Aura® Session Manager in Virtual Environment	10.1.3 (10.1.3.0.1013007)
Avaya Aura® System Manager in Virtual Environment	10.1.3 (10.1.3.0.0715713)
Avaya Session Border Controller in Virtual Environment	10.1 (10.1.2.0-64-23285)
Avaya Agent for Desktop (H.323 & SIP)	2.0.6.0.10
Avaya 9611G IP Desk phone (H.323)	6.8.5.3.2
Avaya J169 IP Desk phone (SIP)	4.0.13.0.6
Avaya J179 IP Desk phone (H.323)	6.8.5.3.2
IntraNext SmartSIP Windows Server 2019 Standard • Avaya TSAPI Windows Client (csta32.dll)	10.4 Standard 8.1.3.25

5. Configure Avaya Aura® Communication Manager

This section contains steps necessary to configure SmartSIP successfully with Avaya Aura® Communication Manager.

All configurations in Communication Manager were performed via SAT terminal.

5.1. Verify Feature and License

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

One Page 3, verify **Computer Telephone Adjunct Links** is set to **y.**

```
display system-parameters customer-options                      Page   3 of  11
                               OPTIONAL FEATURES

    Abbreviated Dialing Enhanced List? y          Audible Message Waiting? y
        Access Security Gateway (ASG)? n              Authorization Codes? y
        Analog Trunk Incoming Call ID? y                      CAS Branch? n
 A/D Grp/Sys List Dialing Start at 01? y                        CAS Main? n
Answer Supervision by Call Classifier? y                Change COR by FAC? n
                                   ARS? y  Computer Telephony Adjunct Links? y
                 ARS/AAR Partitioning? y   Cvg Of Calls Redirected Off-net? y
          ARS/AAR Dialing without FAC? y                      DCS (Basic)? y
          ASAI Link Core Capabilities? y                DCS Call Coverage? y
          ASAI Link Plus Capabilities? y               DCS with Rerouting? y
       Async. Transfer Mode (ATM) PNC? n
  Async. Transfer Mode (ATM) Trunking? n    Digital Loss Plan Modification? y
             ATM WAN Spare Processor? n                           DS1 MSP? y
                               ATMS? y             DS1 Echo Cancellation? y
                  Attendant Vectoring? y
```

5.2. Configure IP Services

CTI connectivity to AES is required as SmartSIP monitors agent stations via TSAPI. Add an IP-Services entry, using the **change ip-services** command, for AES as described below. On Page 1:

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

```
change ip-services                                          Page   1 of   4

                                IP SERVICES
 Service     Enabled     Local              Remote
  Type                   Node         Port        Node        Port
AESVCS        y      procr            8765
```

On Page 4 of the IP Services form, enter the following values:

- In the **AE Services Server** field, type the host name of the Application Enablement Services server.
- In the **Password** field, type the same password to be administered on the Application Enablement Services server in **Section 6**, **Step 1**.
- In the **Enabled** field, type **y**.

```
change ip-services                                          Page   3 of   3
                          AE Services Administration

   Server ID    AE Services       Password          Enabled    Status
                   Server
      1:       aes             xxxxxxxxxxxxx       y        in use
```

5.3. Configure CTI Link

Enter the **add cti-link <link number>** command, where **<link number>** is an available CTI link number.

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

```
add  cti-link 1                                             Page   1 of   3
                                CTI LINK
 CTI Link: 1
Extension: 60111
     Type: ADJ-IP
                                                                   COR: 1
     Name: AES CTI Link
Unicode Name? n
```

5.4. Configure SIP INFO

During the compliance test, existing SIP signaling and trunk group to Session Manager were used. However, note that SIP INFO needs to be enabled on the signaling group. This enables all the Avaya endpoints to send SIP INFO for DTMF transmission. SIP INFO messages are used by SmartSIP to collect DTMF. Enter the **change signaling-group <n>** command where **<n>** is the signaling group used for Session Manager. Set the **DTMF over IP** to **out-of-band.** All calls that route over this trunk group will leverage SmartSIP.

```
change signaling-group 1                                        Page   1 of   2
                               SIGNALING GROUP

 Group Number: 1              Group Type: sip
  IMS Enabled? n        Transport Method: tls
       Q-SIP? n
     IP Video? n                                  Enforce SIPS URI for SRTP? n
  Peer Detection Enabled? y  Peer Server: SM                       Clustered? n
 Prepend '+' to Outgoing Calling/Alerting/Diverting/Connected Public Numbers? y
Remove '+' from Incoming Called/Calling/Alerting/Diverting/Connected Numbers? n
Alert Incoming SIP Crisis Calls? n
   Near-end Node Name: procr                Far-end Node Name: sm81
 Near-end Listen Port: 5061               Far-end Listen Port: 5061
                                       Far-end Network Region: 1

Far-end Domain:
                                          Bypass If IP Threshold Exceeded? n
Incoming Dialog Loopbacks: eliminate               RFC 3389 Comfort Noise? n
         DTMF over IP: out-of-band          Direct IP-IP Audio Connections? y
Session Establishment Timer(min): 3                  IP Audio Hairpinning? y
         Enable Layer 3 Test? y                  Initial IP-IP Direct Media? n
H.323 Station Outgoing Direct Media? n           Alternate Route Timer(sec): 6
```

6. Configure Avaya Aura® Application Enablement Services

This section provides the procedures for configuring Application Enablement Services. The procedures include the following areas:

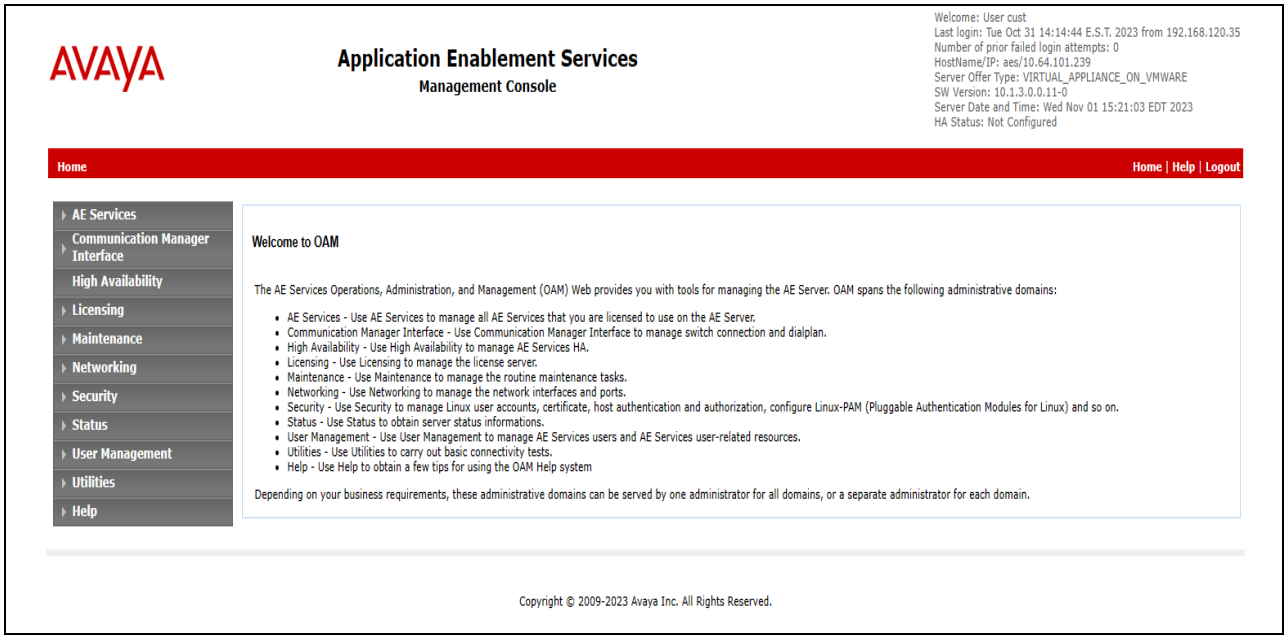
- Launch OAM interface
- Verify license
- Administer TSAPI link
- Administer IntraNext user
- Administer security database
- Restart service
- Obtain Tlink name
- Export CA certificate

6.1. Launch OAM Interface

Access the OAM web-based interface by using the URL "**https://ip-address**" in an Internet browser window, where "**ip-address**" is the IP address of the Application Enablement Services server.

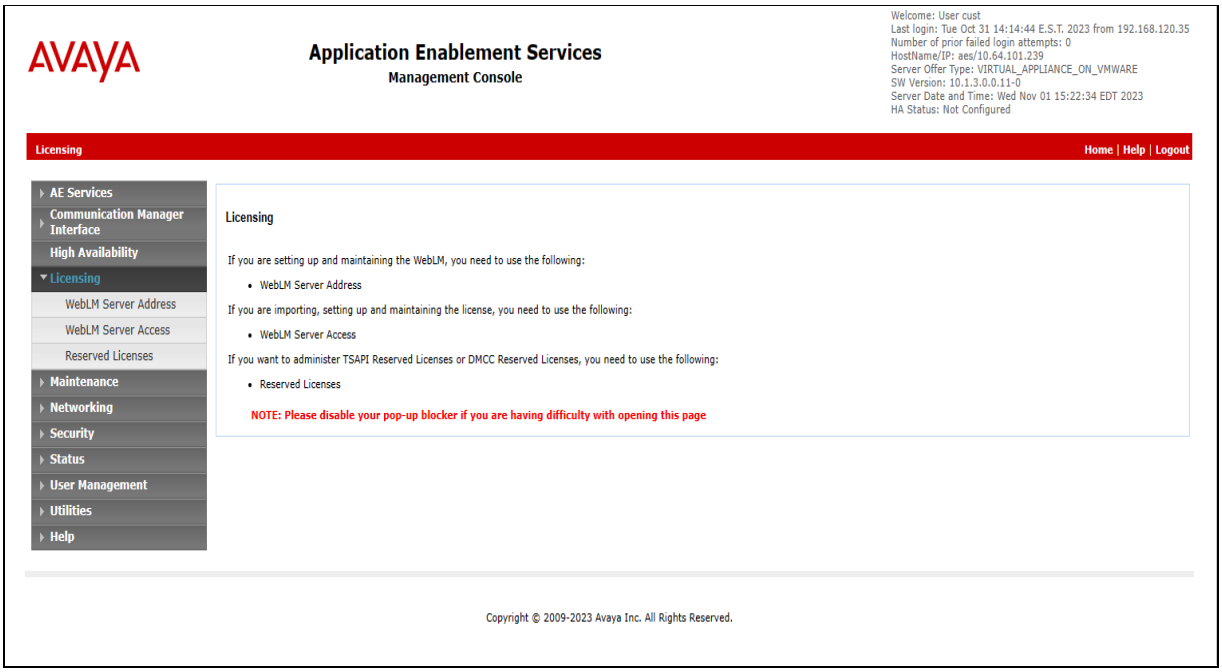
The **Please login here** screen is displayed. Log in using the appropriate credentials.

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



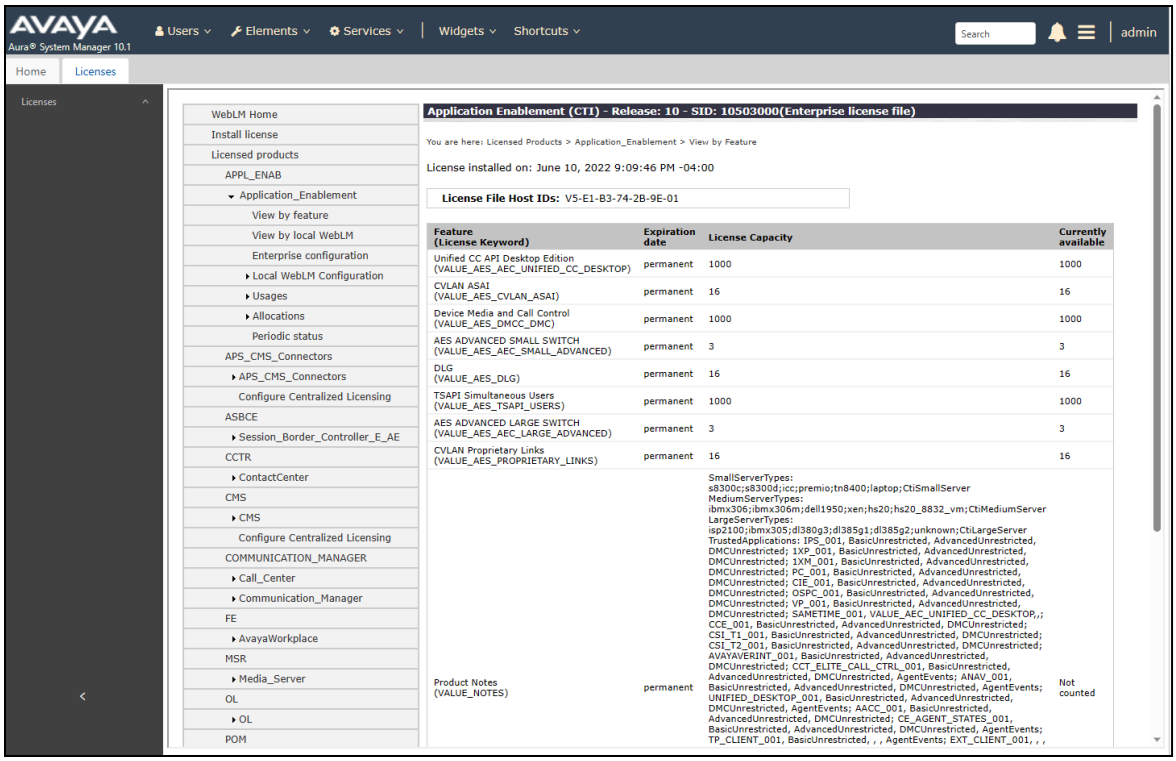
6.2. Verify License

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



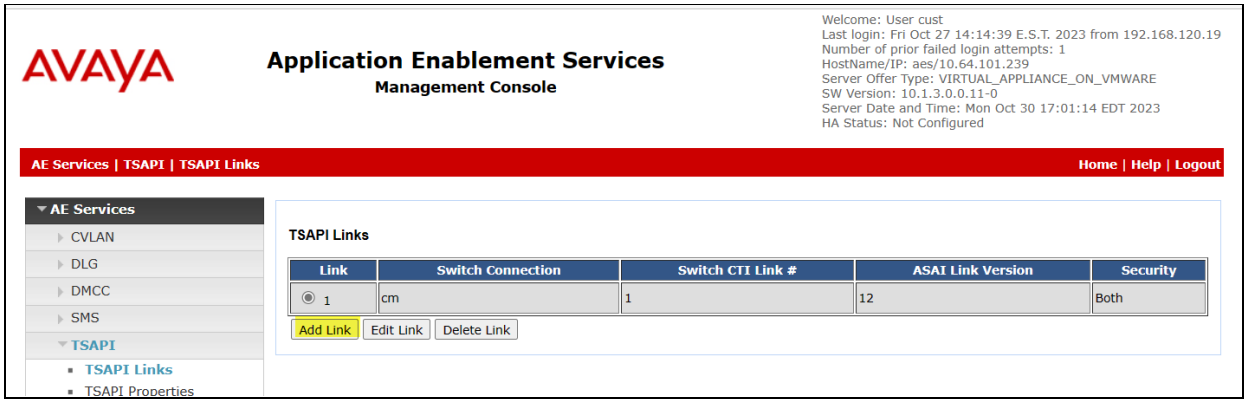
Select **Licensed products → APPL_ENAB → Application_Enablement** in the left pane, to display the **Application Enablement (CTI)** screen in the right pane.

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



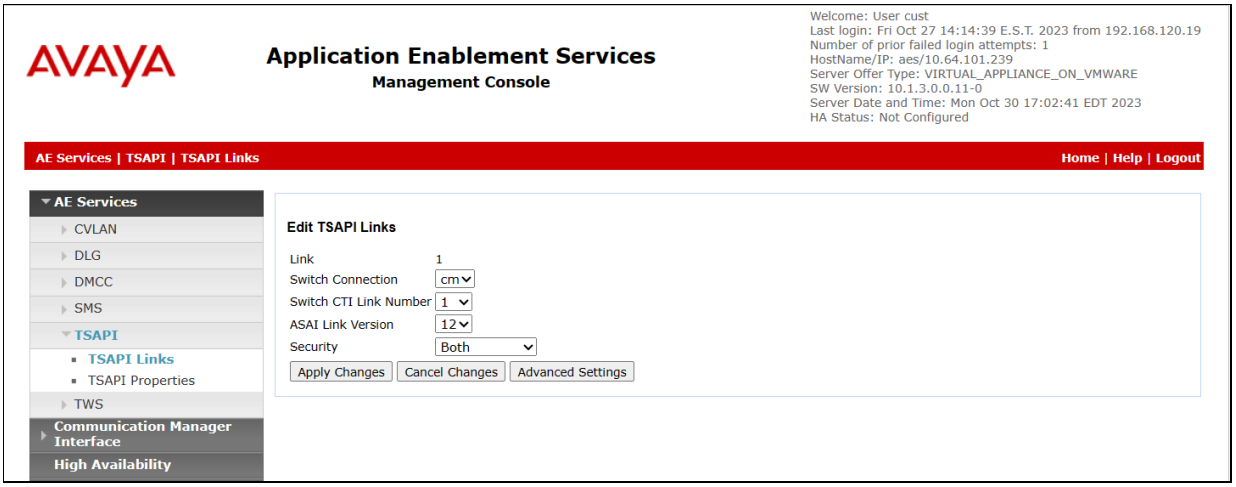
6.3. Administer TSAPI Link

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



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

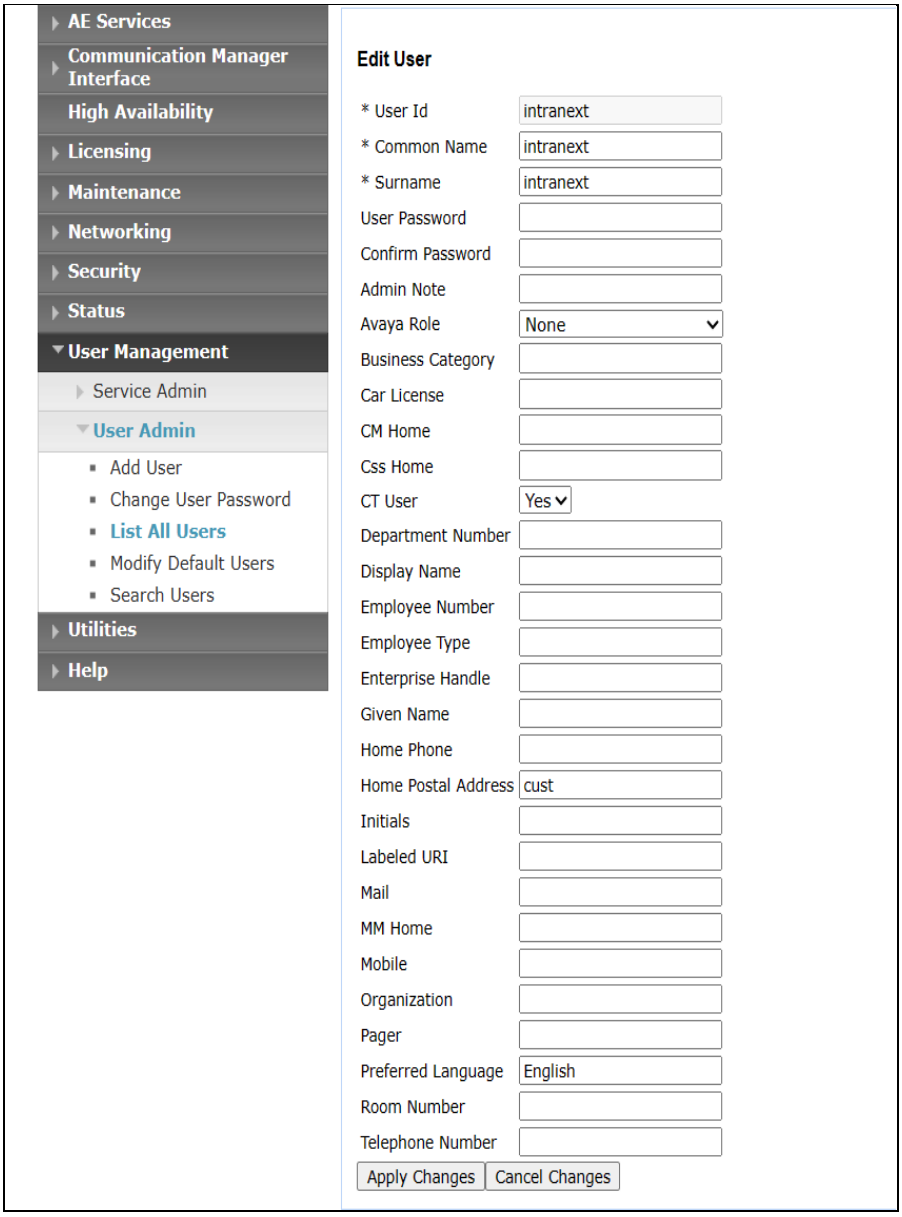
- **Link:** An available link number.
- **Switch Connection:** The relevant switch connection, in this case "cm."
- **Switch CTI Link Number:** The CTI link number from **Section** Error! Reference source not found..
- **ASAI Link Version:** 12
- **Security:** "Encrypted" or "Both" to allow for encrypted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



6.4. Administer IntraNext User

Select **User Management → User Admin → Add User** from the left pane, to display the **Add User** screen in the right pane.

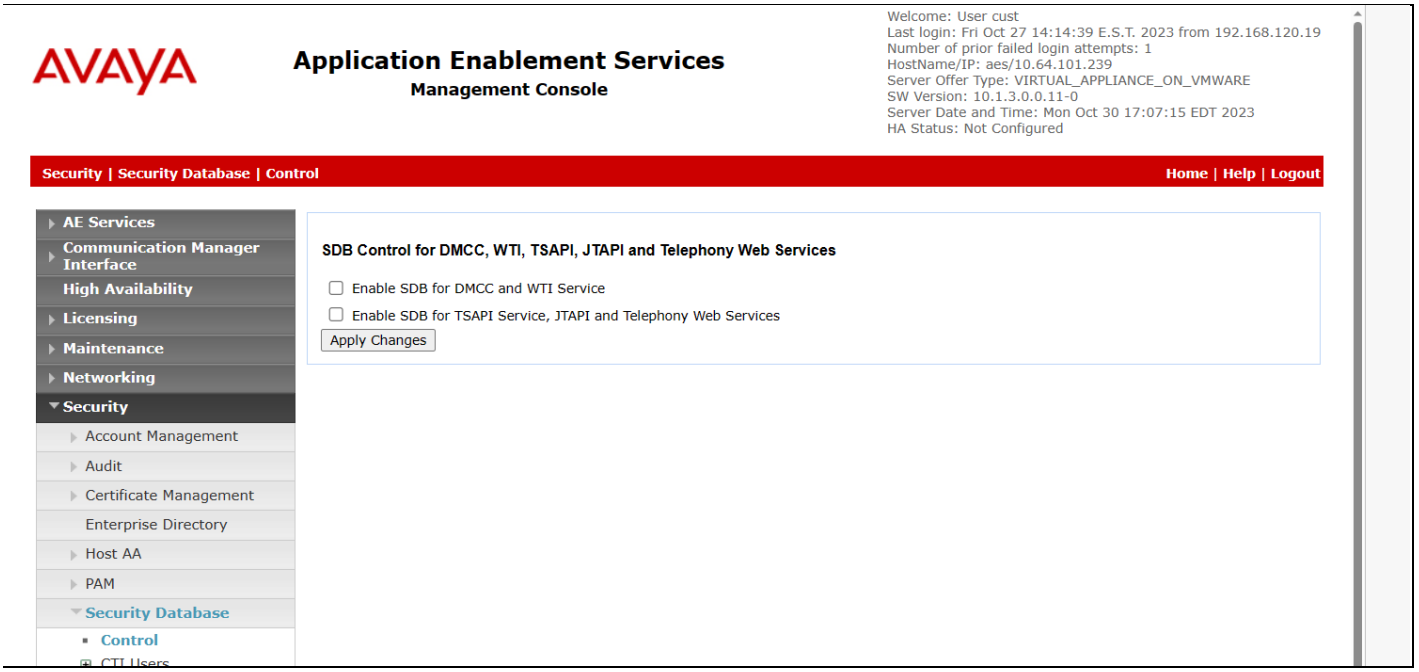
Enter desired values for **User Id**, **Common Name**, **Surname**, **User Password**, and **Confirm Password**. For **CT User**, select "**Yes**" from the drop-down list. Retain the default value in the remaining fields.



6.5. Administer Security Database

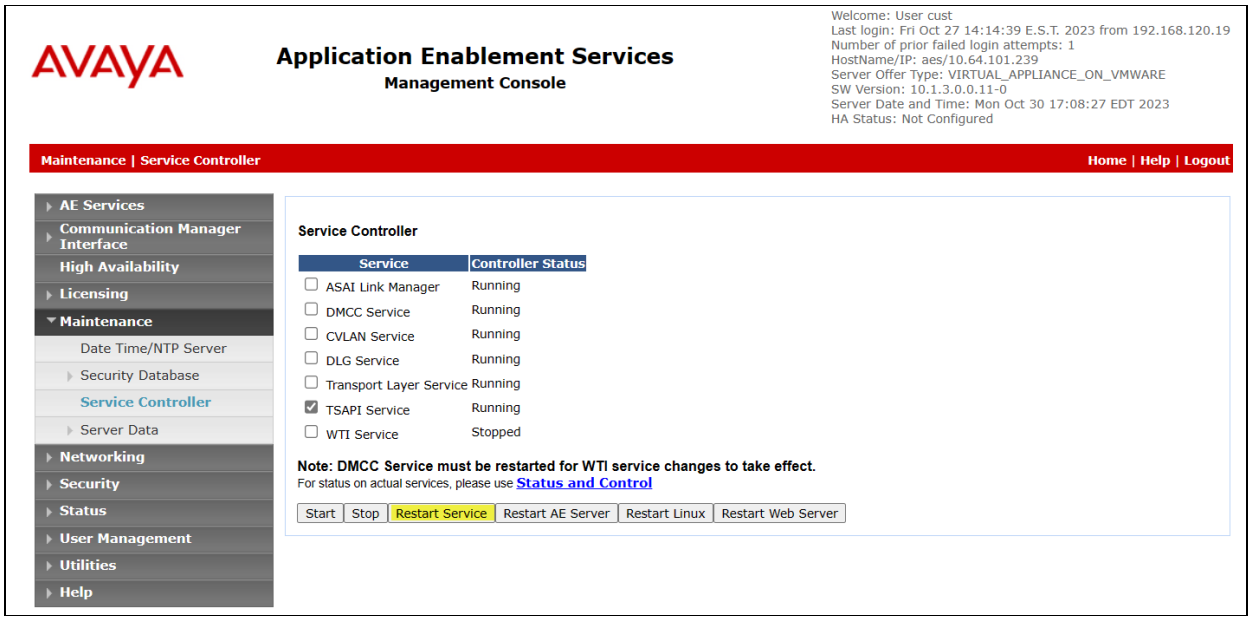
Select **Security → Security Database → Control** from the left pane, to display the **SDB Control for DMCC, TSAPI, JTAPI and Telephony Web Services** screen in the right pane. Make certain that both parameters are unchecked, as shown below.

In the case that the security database is used by the customer with parameters already enabled, then follow reference [**2**] to configure access privileges for the IntraNext user from **Section 0**.



6.6. Restart Service

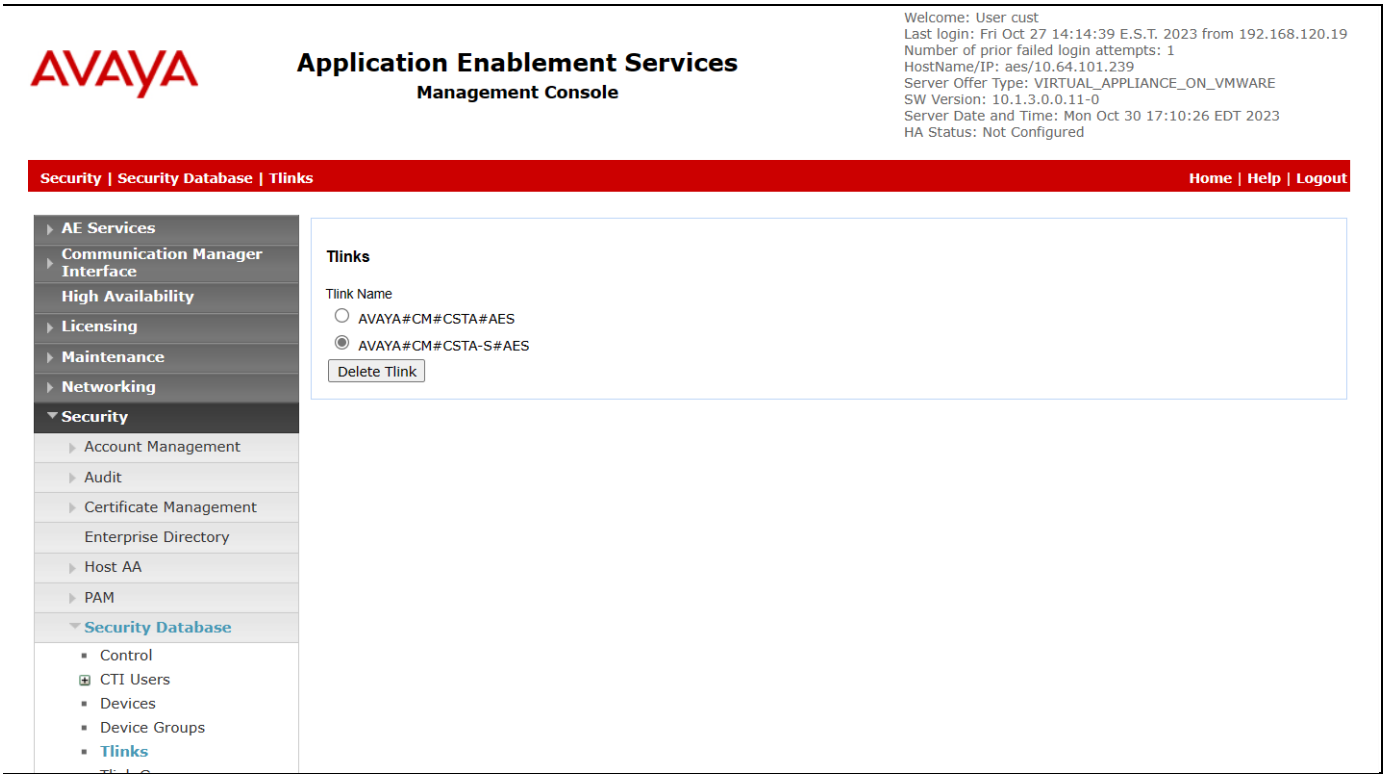
Select **Maintenance → Service Controller** from the left pane, to display the **Service Controller** screen in the right pane. Check **TSAPI Service** and click **Restart Service**.



6.7. Obtain Tlink Name

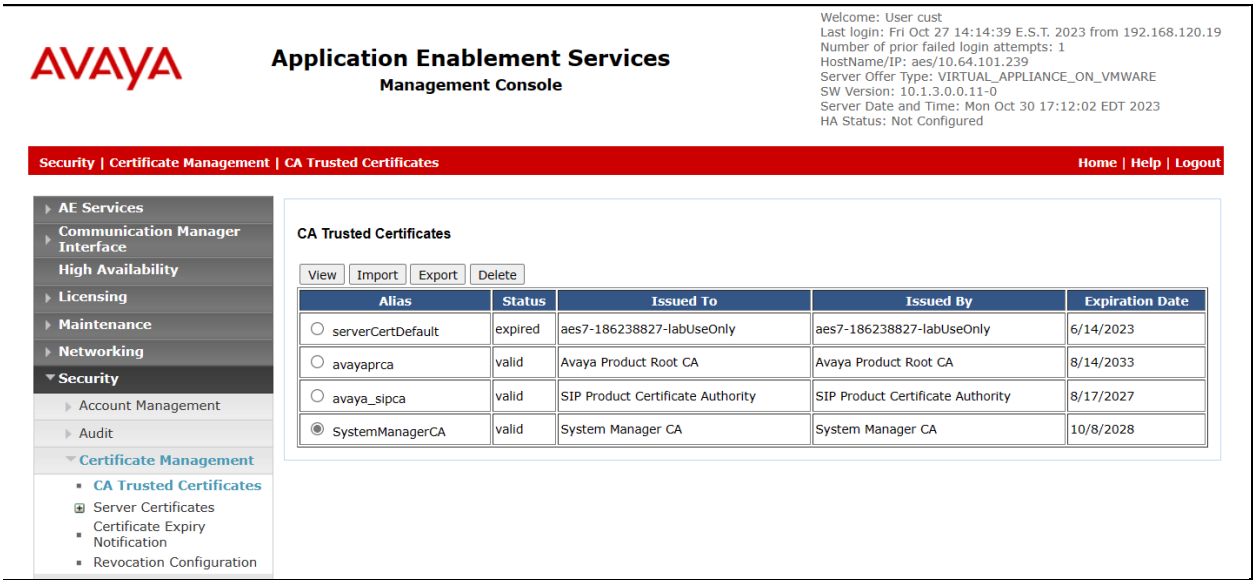
Select **Security → Security Database → Tlinks** from the left pane. The **Tlinks** screen shows a listing of the Tlink names. A new Tlink name is automatically generated for the TSAPI service. Locate the Tlink name associated with the relevant switch connection, which would use the name of the switch connection as part of the Tlink name.

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

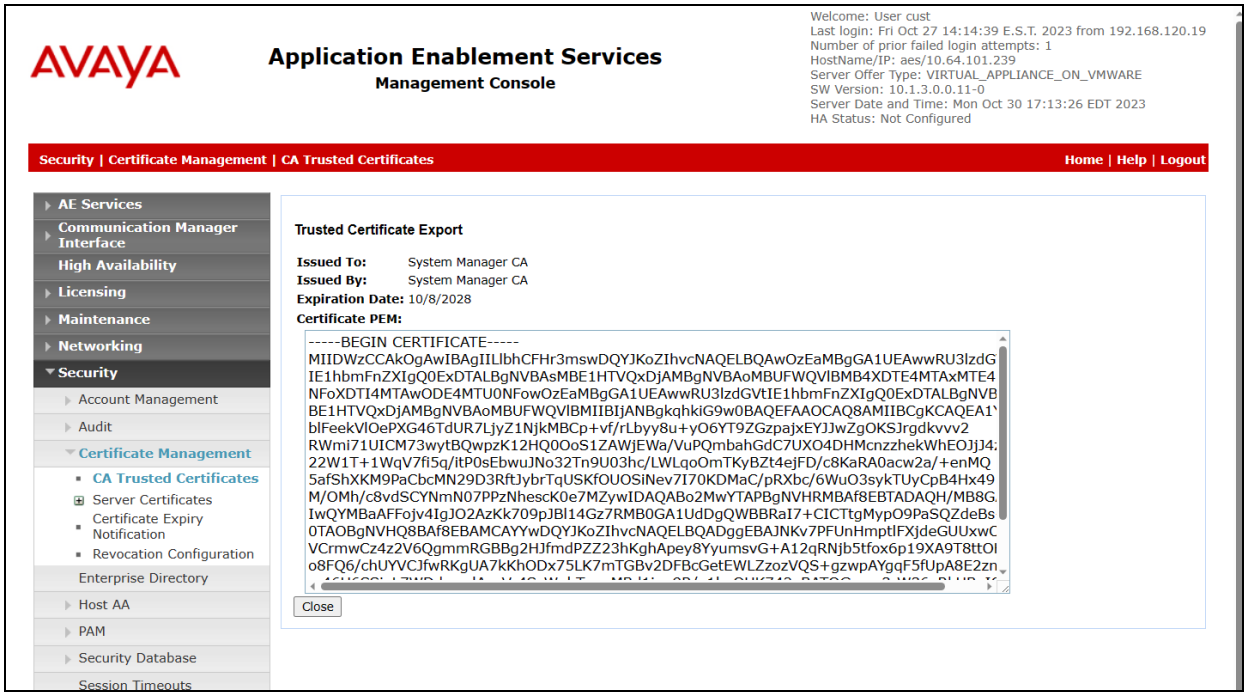


6.8. Export CA Certificate

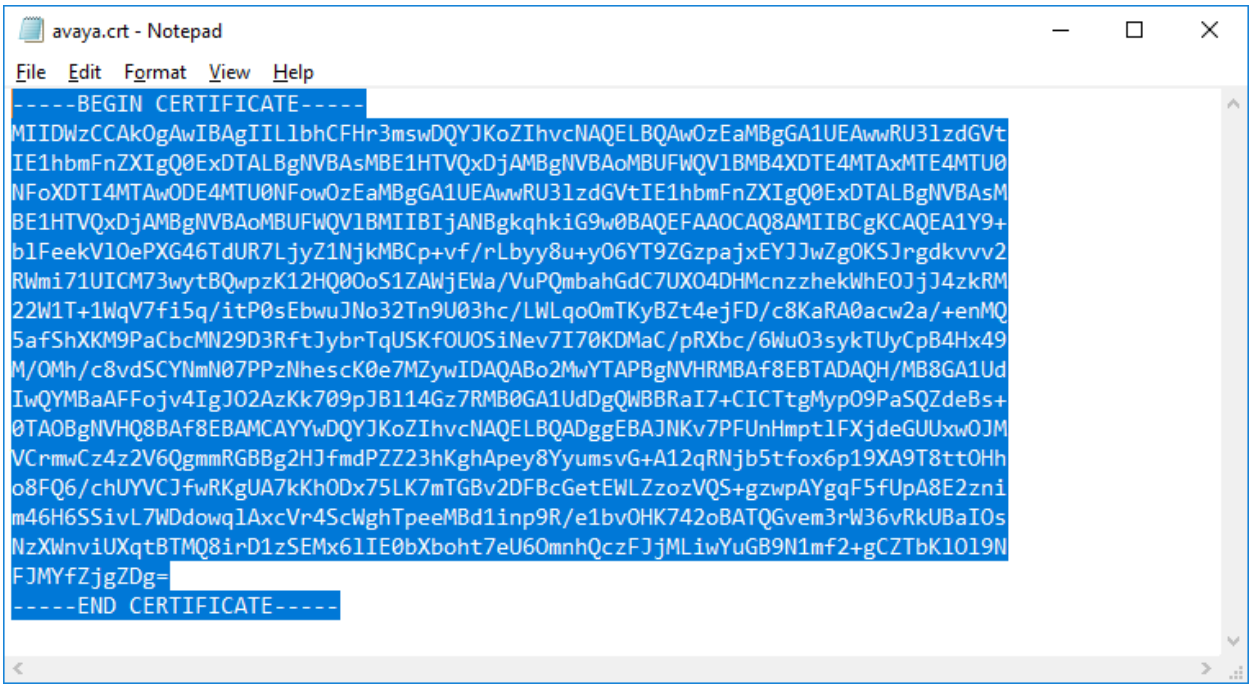
Select **Security → Certificate Management → CA Trusted Certificates** from the left pane, to display the **CA Trusted Certificates** screen. Select the pertinent CA certificate for secure connection with client applications, in this case "**SystemManagerCA**," and click **Export**.



The **Trusted Certificate Export** screen is displayed next. Copy everything in the text box, including the **BEGIN CERTIFICATE** and **END CERTIFICATE** (not shown) lines.



Paste the copied content to a Notepad file and save with a desired file name using **.crt** as suffix, such as **avaya.crt** in the compliance testing.



7. Configure Avaya Aura® Session Manager

SmartSIP sits between Session Manager and Avaya SBC. All inbound and outbound calls to PSTN are routed via SmartSIP, followed by Avaya SBC. A SIP trunk needs to be configured for SmartSIP and Avaya SBC. A SIP trunk for Communication Manager was preconfigured and is out of scope for this document. All configuration for Session Manager is performed via System Manager web interface. Open a web browser session to System Manager URL.

7.1. Administer SIP Entities

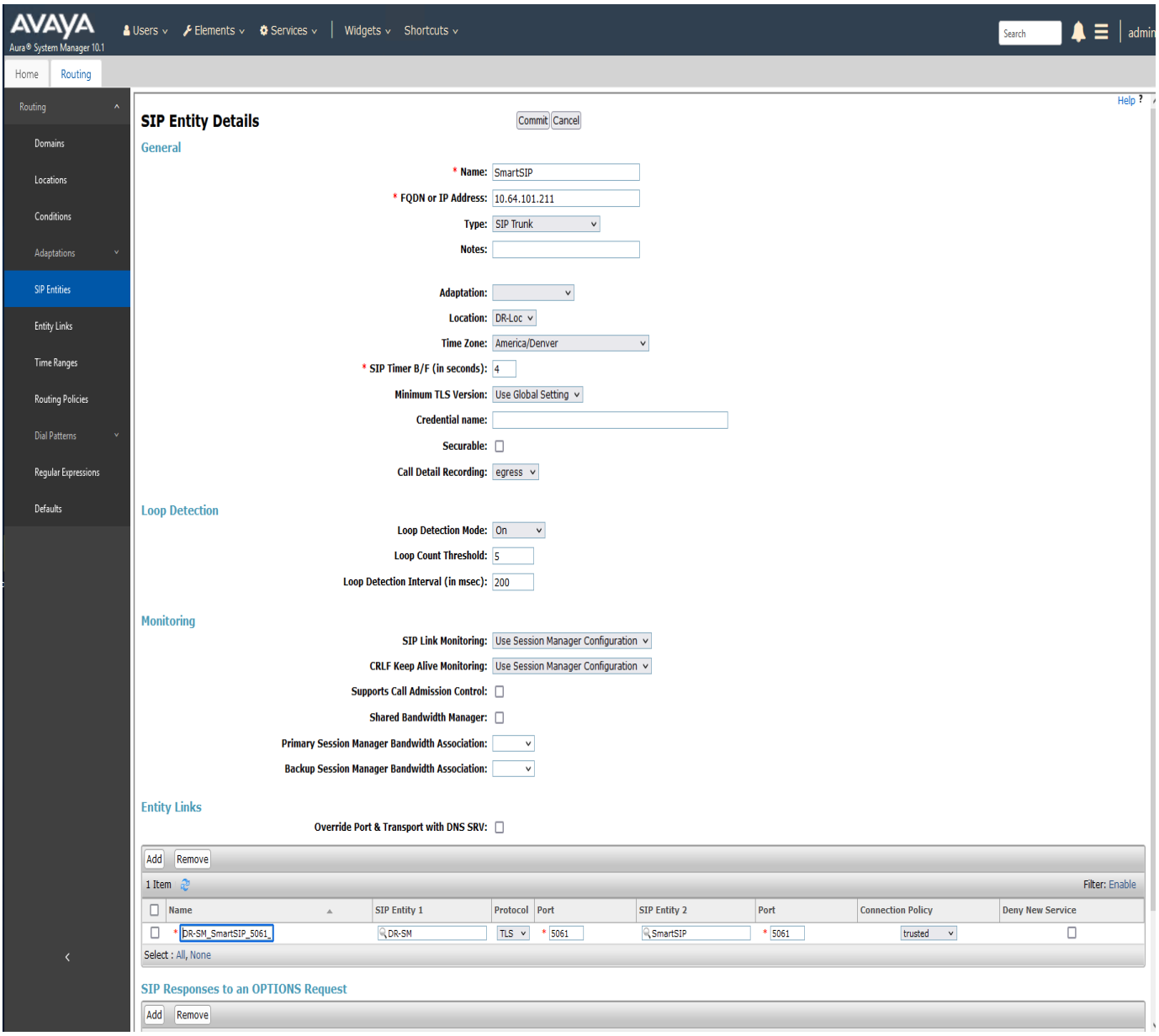
Add two new SIP entities, one for SmartSIP and another one for Avaya SBC.

7.1.1. SIP Entity for SmartSIP

Select **Routing → SIP Entities** from the left pane, and click **New** in the subsequent screen (not shown) to add a new SIP entity for SmartSIP.

The **SIP Entity Details** screen is displayed. Enter the following values for the specified fields, and retain the default values for the remaining fields.

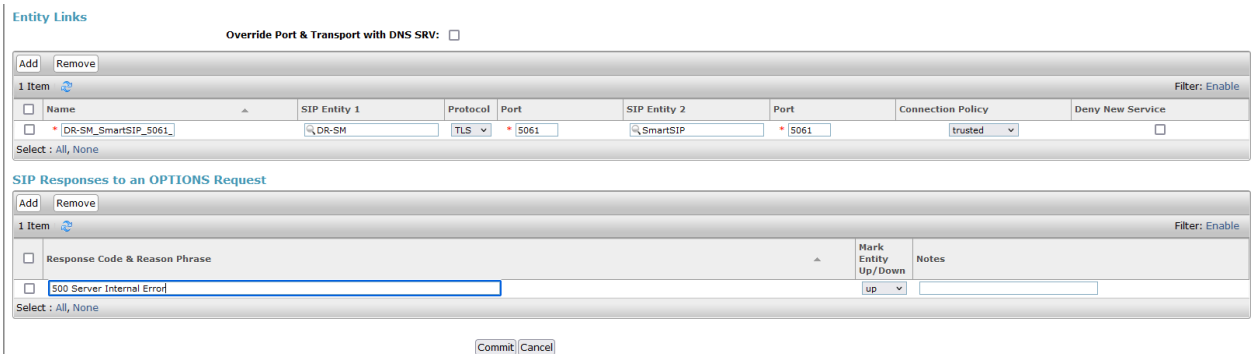
- **Name:** A descriptive name.
- **FQDN or IP Address:** The SIP IP address of SmartSIP.
- **Type:** "SIP Trunk"
- **Location:** Select a preconfigured Location.
- **Time Zone:** Select the applicable time zone.



Scroll down to the **Entity Links** sub-section, and click **Add** to add an entity link. Enter the following values for the specified fields, and retain the default values for the remaining fields.

- **Name:** A descriptive name.
- **SIP Entity 1:** The Session Manager entity name, in this case “DR-SM”.
- **Protocol:** “TLS”
- **Port:** “5061”
- **SIP Entity 2:** The SmartSIP entity name from this section.
- **Port:** “5061”
- **Connection Policy:** “trusted”

Note that SmartSIP can support TLS and TCP, but during the compliance testing TLS was used.

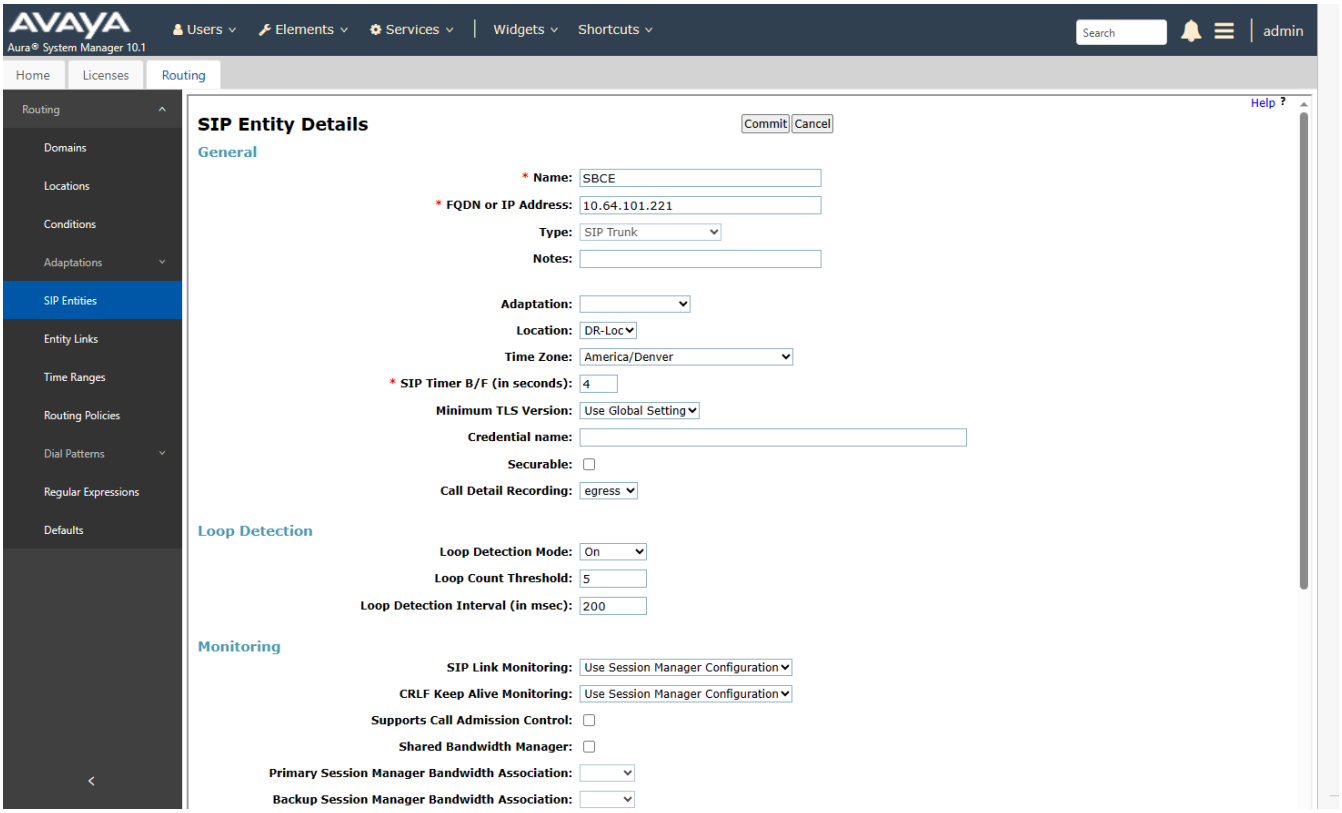


7.1.2. SIP Entity for Avaya SBC

Select **Routing → SIP Entities** from the left pane, and click **New** in the subsequent screen (not shown) to add a new SIP entity for Avaya SBC. Note that this SIP entity is used for failover purposes when connectivity to SmartSIP in unavailable.

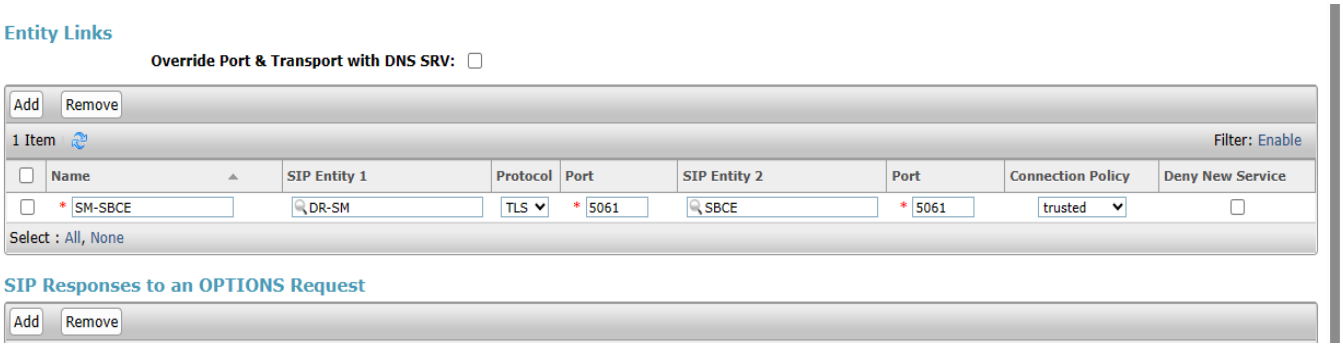
The **SIP Entity Details** screen is displayed. Enter the following values for the specified fields, and retain the default values for the remaining fields.

- **Name:** A descriptive name.
- **FQDN or IP Address:** The internal SIP IP address of Avaya SBC.
- **Type:** "SIP Trunk"
- **Notes:** Any desired notes.
- **Location:** Select the applicable location.
- **Time Zone:** Select the applicable time zone.



Scroll down to the **Entity Links** sub-section, and click **Add** to add an entity link. Enter the following values for the specified fields, and retain the default values for the remaining fields.

- **Name:** A descriptive name.
- **SIP Entity 1:** The Session Manager entity name, in this case “sm81”.
- **Protocol:** “TLS”
- **Port:** “5061”
- **SIP Entity 2:** The Avaya SBCE entity name from this section.
- **Port:** “5061”
- **Connection Policy:** “trusted”



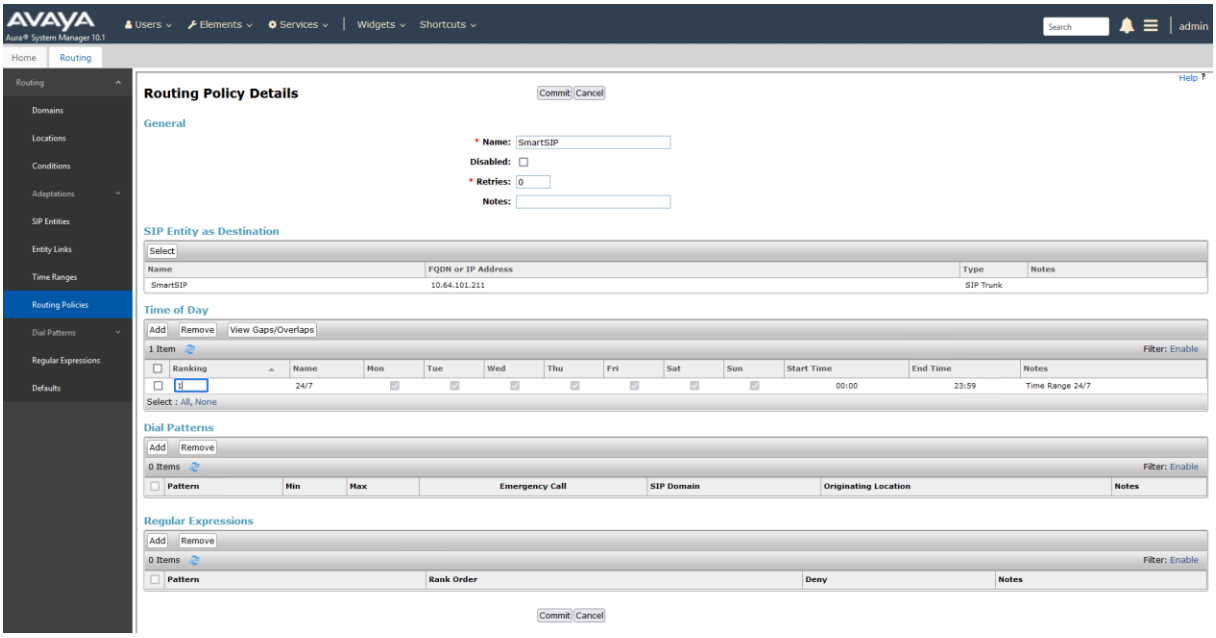
7.2. Administer Routing Policies

Add a new routing policy for routing calls to SmartSIP and Avaya SBC.

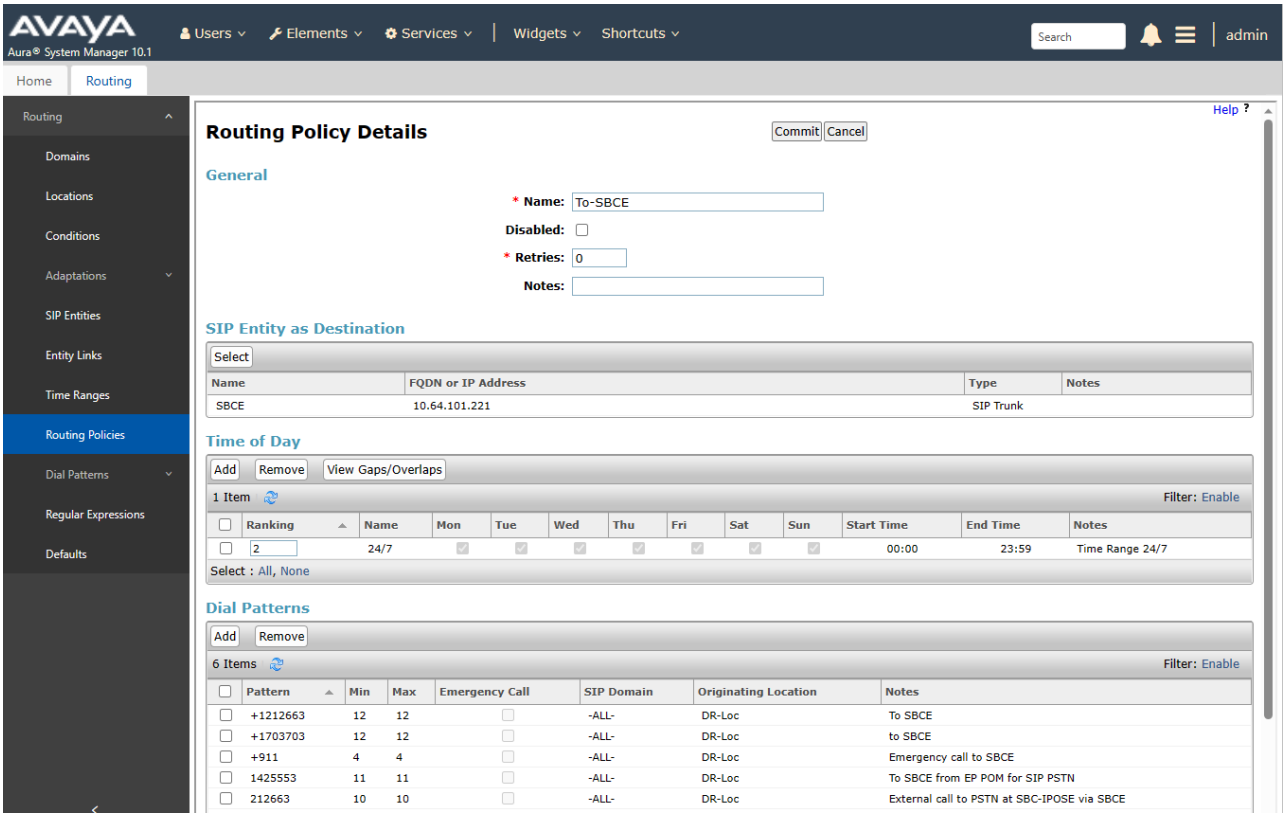
Select **Routing → Routing Policies** from the left pane, and click **New** in the subsequent screen (not shown) to add a new routing policy to Communication Manager.

The **Routing Policy Details** screen is displayed. In the **General** sub-section, enter a descriptive **Name**. Enter optional **Notes**, and retain the default values in the remaining fields.

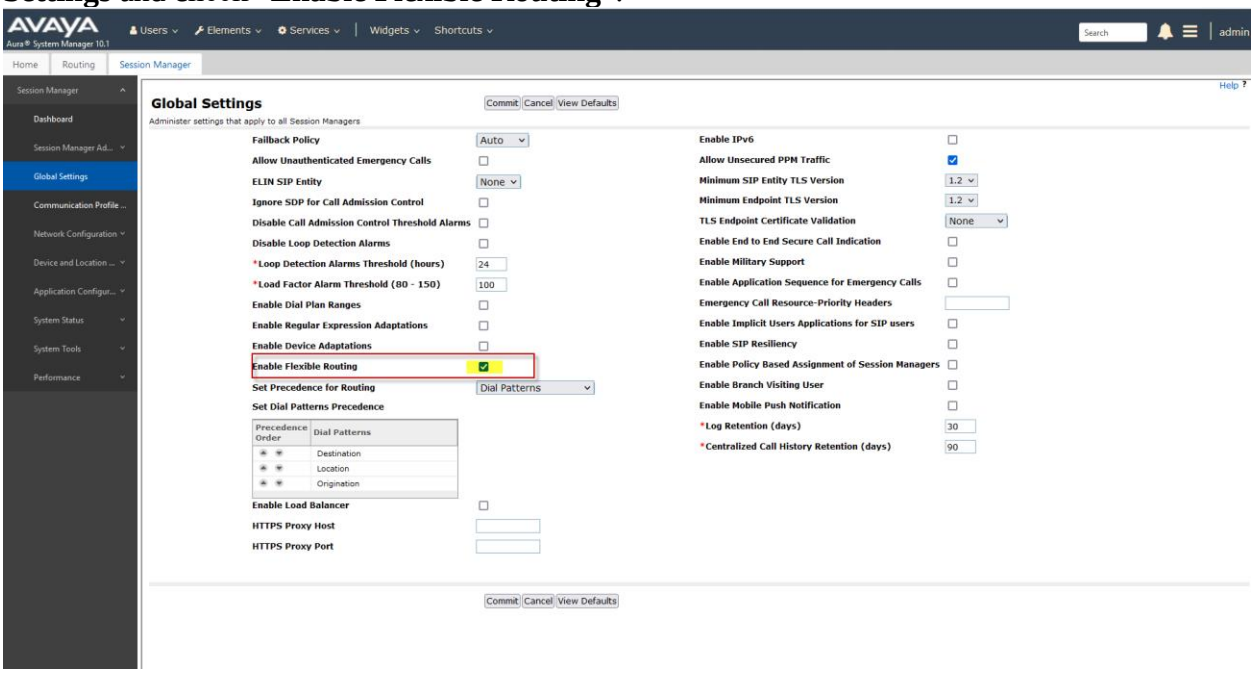
In the **SIP Entity as Destination** sub-section, click **Select** and select the SmartSIP entity name from **Section 7.1.1**. The screen below shows the result of the selection. Under the **Time of Day** subsection, set the **Ranking** to **1.**



Similarly, add a **Routing Policy** for Avaya SBCE and configure the **Time of Day Ranking** to **2.**



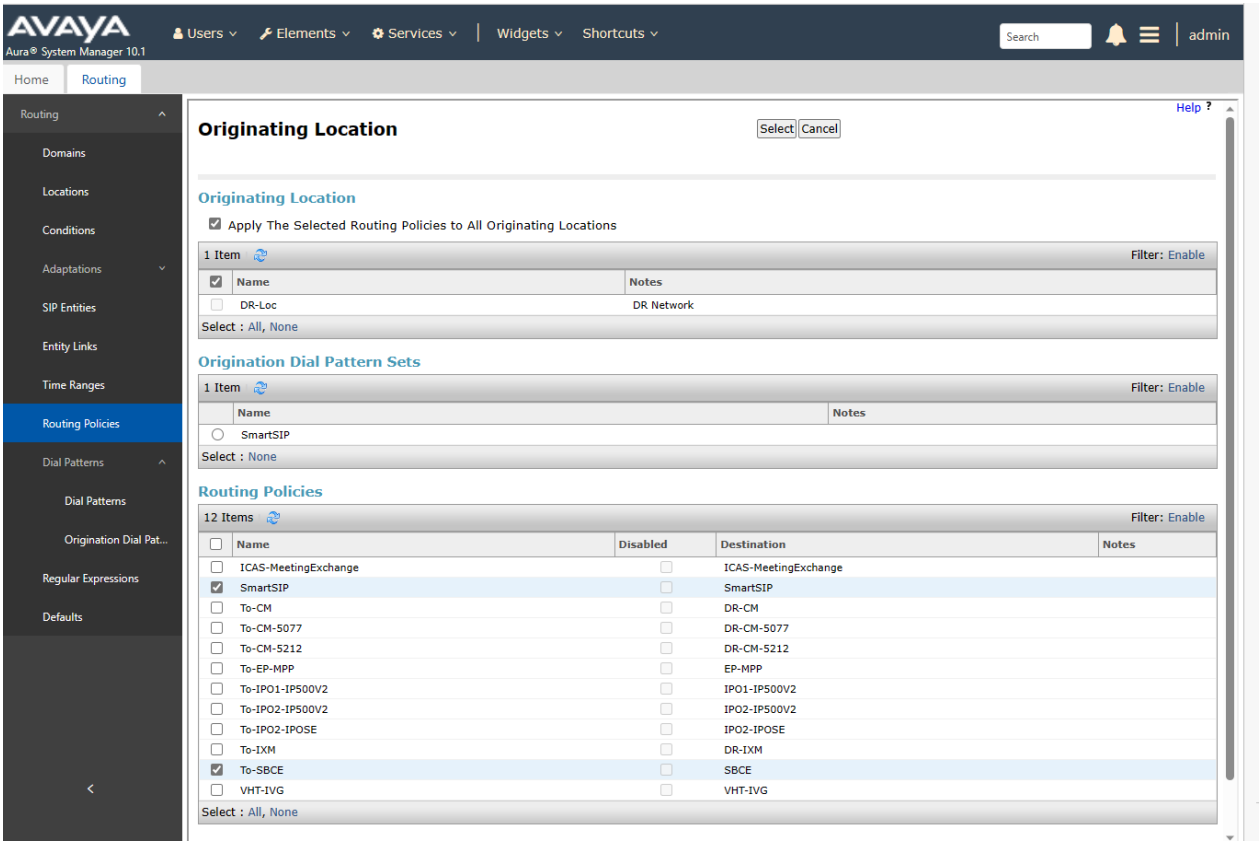
Additionally, enable Flexible Routing. Select **Elements → Session Manager → Global Settings** and check "**Enable Flexible Routing**".



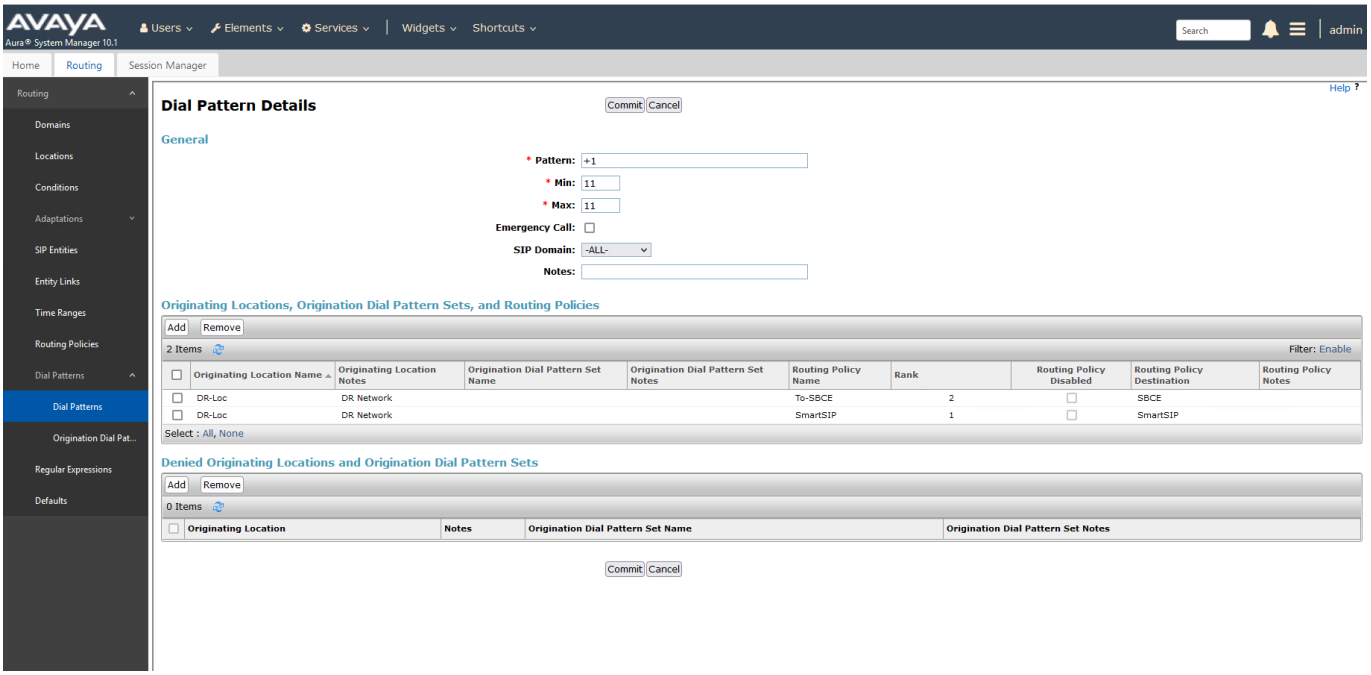
7.3. Administer Dial Patterns

Select **Routing → Dial Patterns** from the left pane, and add a new Dial Pattern by select **Add** (not shown). The **Dial Pattern Details** screen is displayed (not shown).

In the **Originating Locations and Routing Policies** sub-section, click **Add**. Select a preconfigured **Originating Location** and select the **Routing Polices** created in previous section for SmartSIP and Avaya SBC.



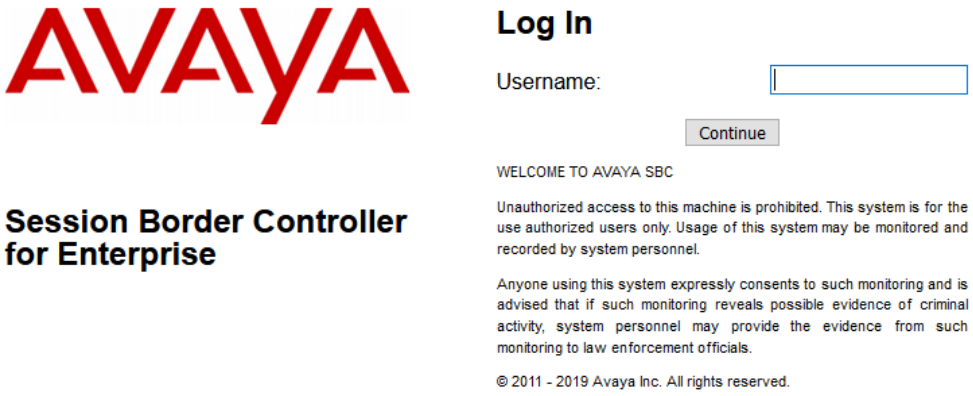
In the compliance testing, the new entry allowed dialing for 12 digits starting with +1. Note the **Rank** order of the two routing policies. Call first attempted to route via SmartSIP, but if an error response is returned or there is no response from SmartSIP, calls are routed to Avaya SBC.



8. Configure Avaya Session Border Controller

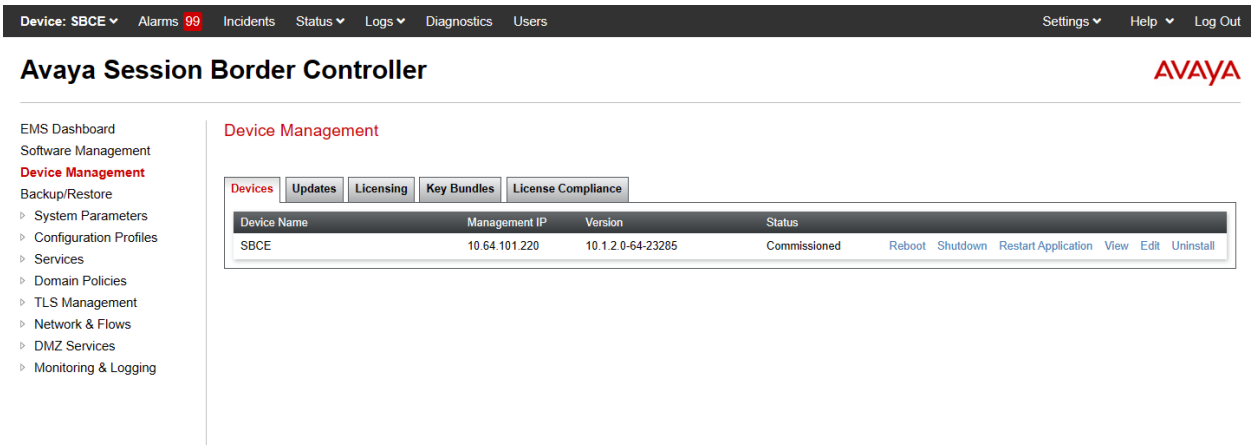
This section describes the configuration of the Avaya SBC. The Avaya SBC provides SIP connectivity from SmartSIP and Session Manager to a SIP service provider. Configuration of SIP service provider is outside of scope for this document.

Access the Session Border Controller using a web browser by entering the URL **https://<ip-address>**, where **<ip-address>** is the private IP address configured at installation. A log in screen is presented. Log in using the appropriate username and password.



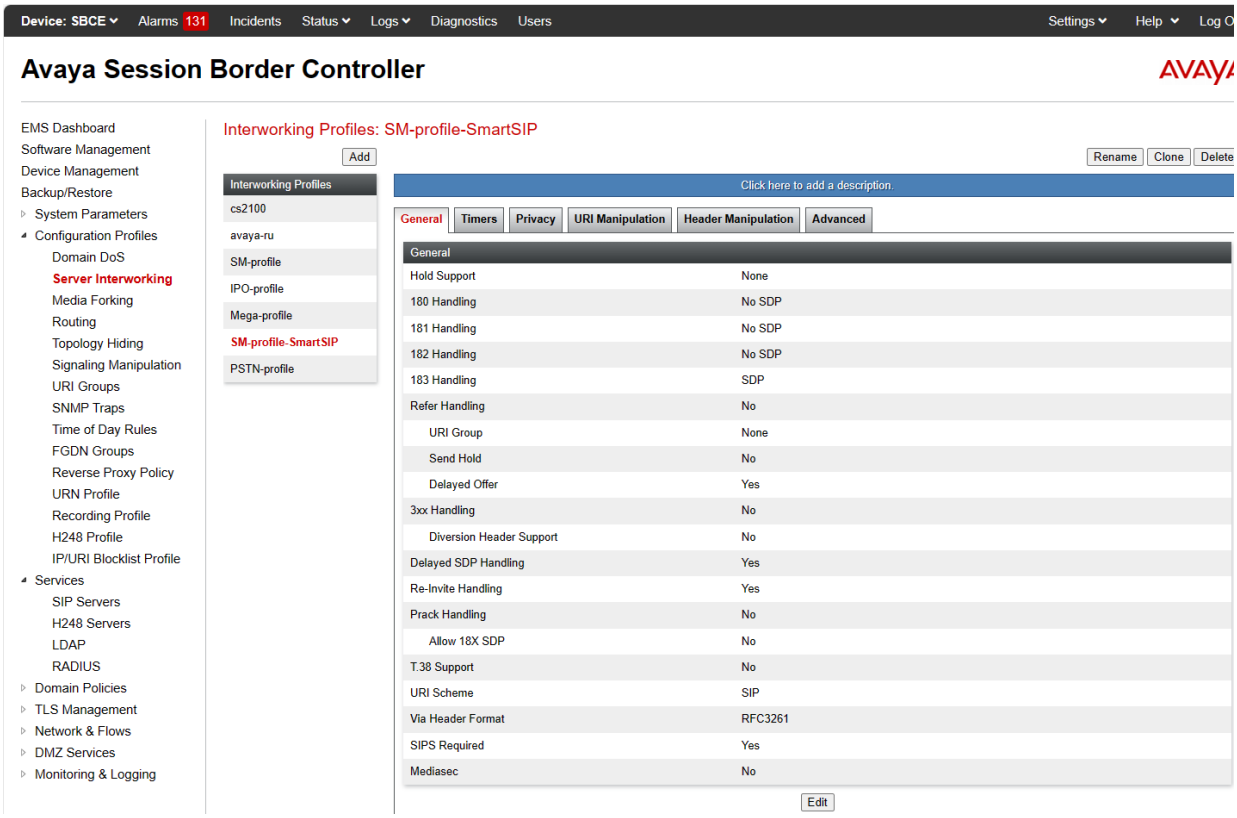
8.1. Access Avaya Session Border Controller for Enterprise

Once logged in, a dashboard is presented with a menu on the left-hand side. The menu is used as a starting point for all configuration of the Avaya SBC.

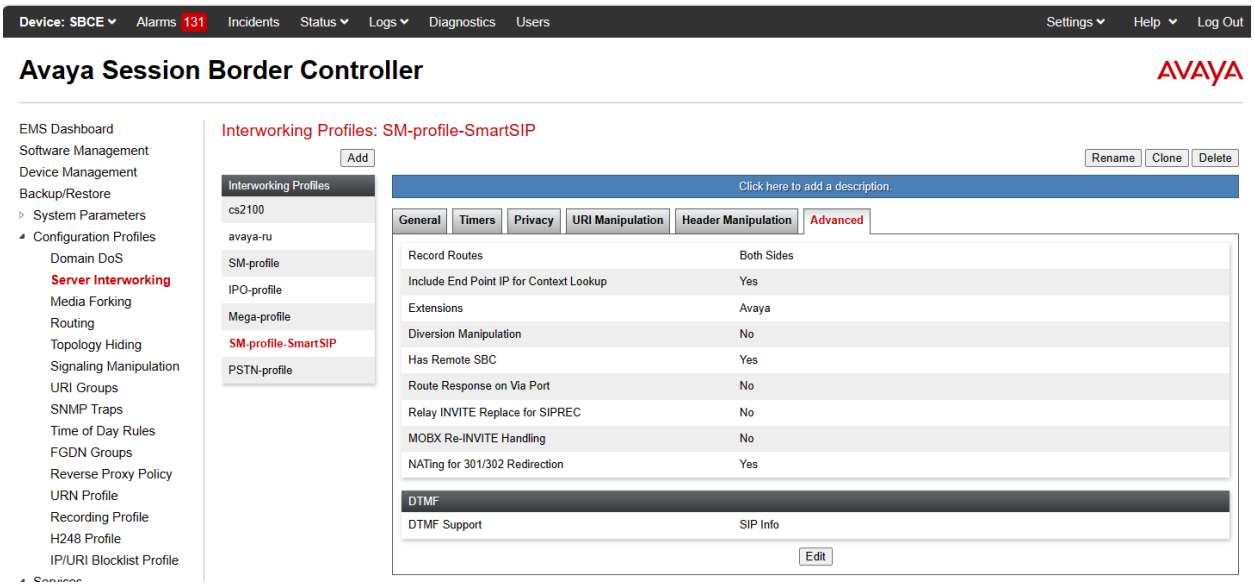


8.2. Define Interworking Profile

An interworking profile is needed for supported SIP functionality for a SIP server. During compliance test, a pre-configured profile was used. To an Interworking profile select **Configuration Profiles → Server Interworking** from the left-hand menu. Screen captures for the profile are shown below.



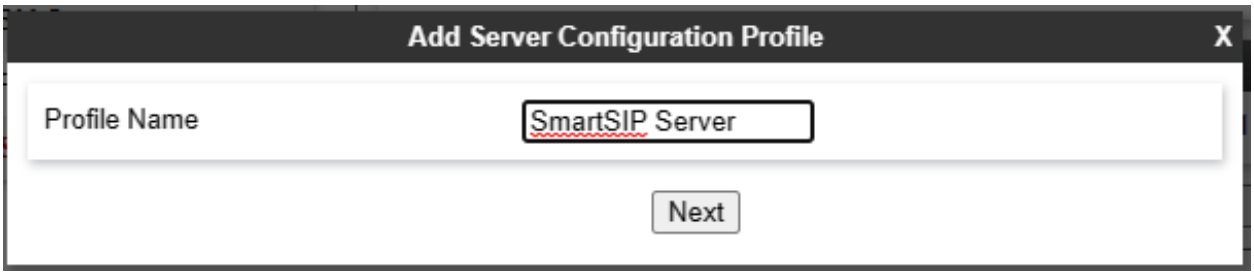
Click on **Next** until **DTMF Support** is displayed. Check box for **SIP Info** and click **Finish.**



8.3. Define SIP Servers

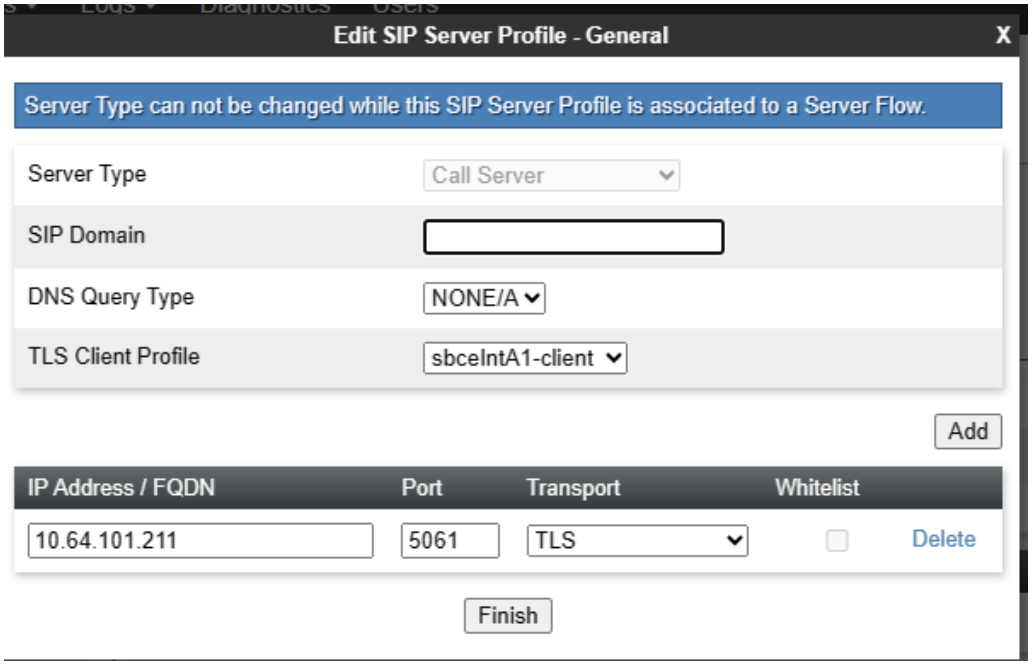
A server definition is required for each server connected to the Avaya SBC.

To define the server for SmartSIP, navigate to **Services → SIP Servers** in the main menu on the left-hand side. Click on **Add** and enter an appropriate name in the pop-up menu. Note that Session Manager IP address will be added as part of SmartSIP server. Defining another SIP Server is not needed. All routing to and from Avaya Aura® environment is performed using the SIP Server configured in this section.

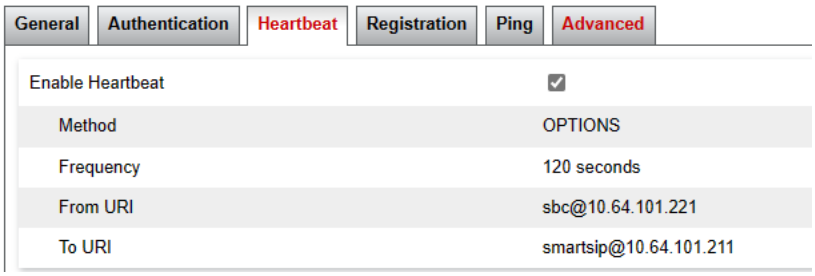


Click on **Next** and enter details in the dialogue box.

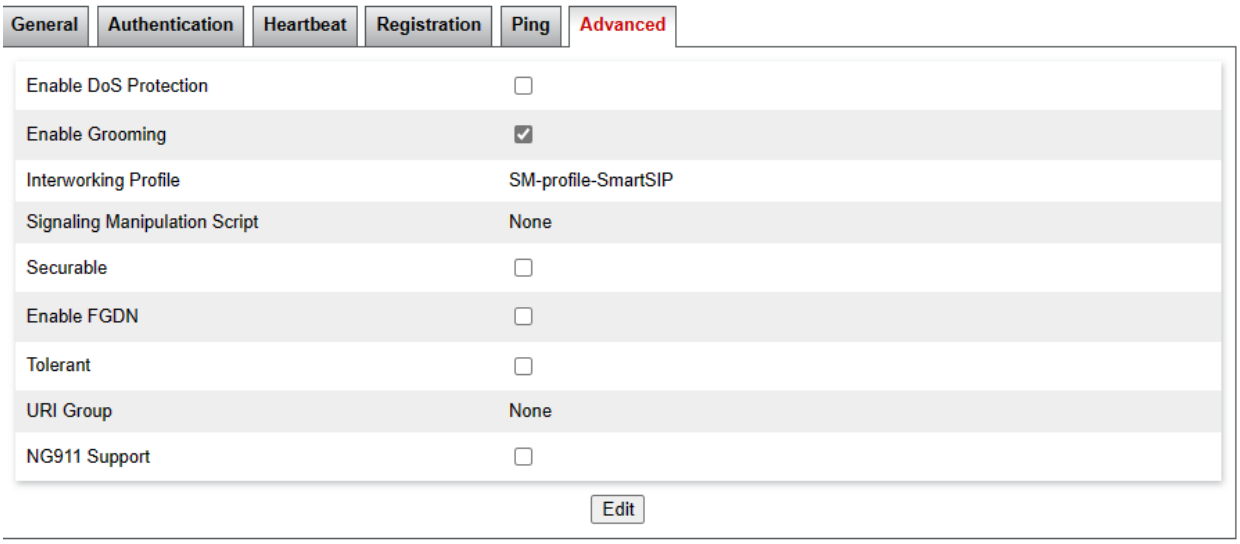
- In the **Server Type** drop-down menu, select **Call Server**.
- Click on **Add** to and add two entries: SmartSIP and Session Manager.
- In the **IP Addresses / FQDN** box, type the IP Address of SmartSIP.
- In the **Port** box, enter the port to be used.
- In the **Transport** drop-down menu, select **TLS**.
- In the **TLS Client Profile** drop-down field, select the TLS client profile associated with the SBC interface connected to SmartSIP.
- Click on **Finish**.



Click on Next until **Add Heartbeat** configuration is displayed. Check box for **Enable Heartbeat** and select OPTIONS, insert desired Heartbeat frequency, From URI and To URI.



Click on **Next** until **Add SIP Server Profile – Advanced** configuration is displayed. Check box for **Enable Grooming** and select an **Interworking Profile**. The configuration of the select Interworking profile is displayed in next section.



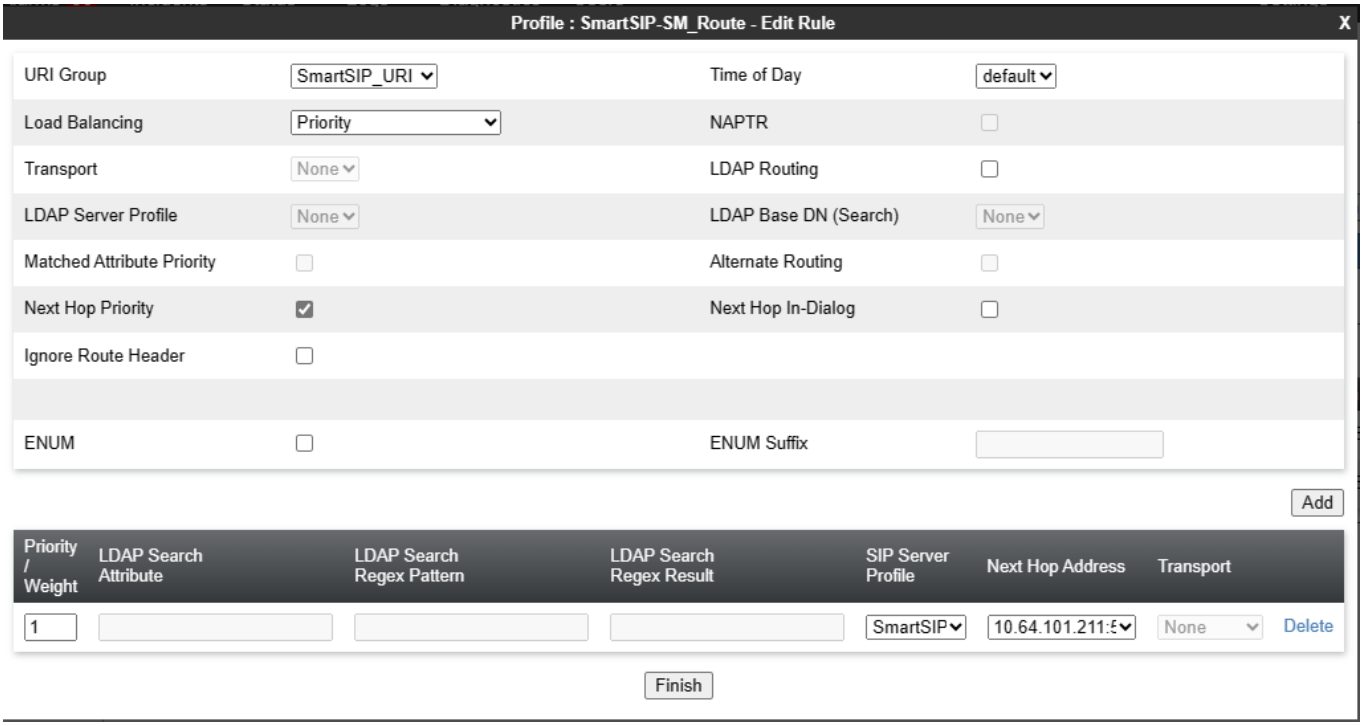
8.4. Define Routing

Routing information is required for routing calls to SmartSIP/Session Manager. The IP addresses and ports defined here will be used as the destination addresses for signalling.

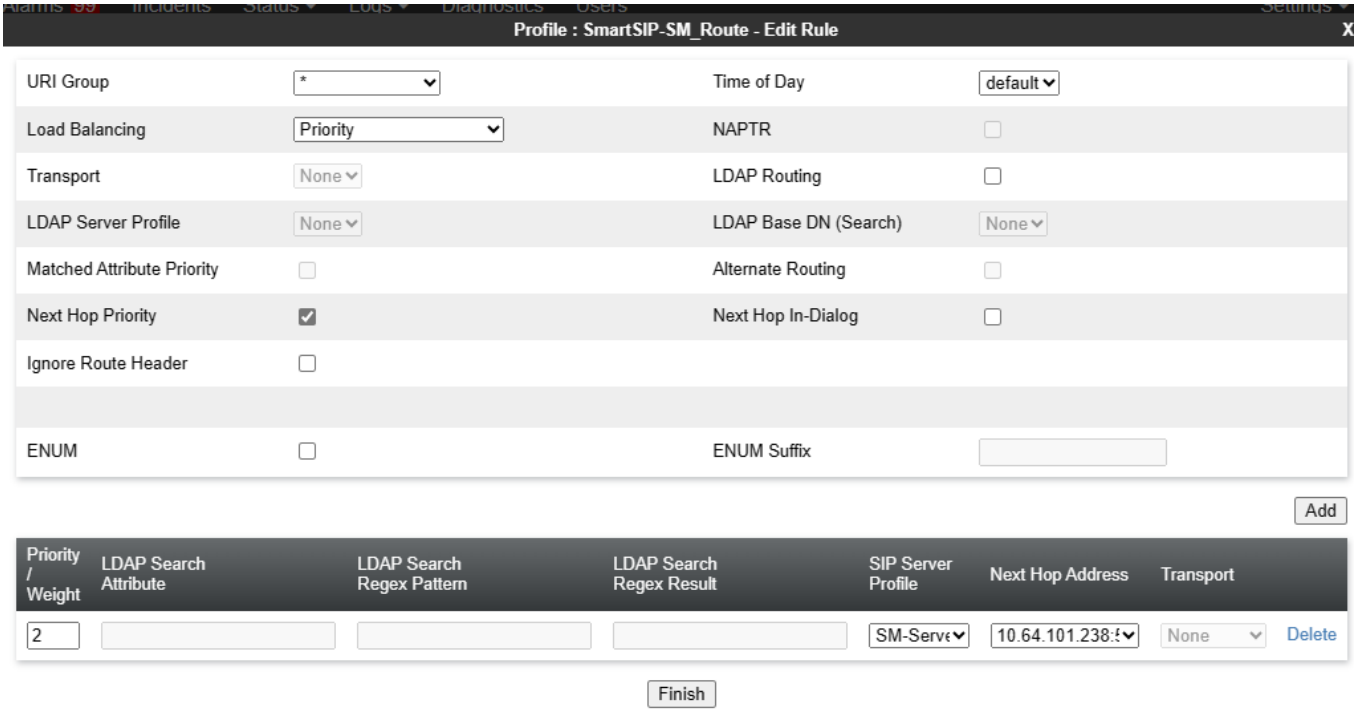
To define routing to the Intelligent Virtual Assistant SIP Trunk, navigate to **Configuration Profiles → Routing** in the main menu on the left-hand side. Click on **Add** and enter an appropriate name in the dialogue box (Not shown).

Click on **Next** and enter details for the Routing Profile:

- Click on **Add** to specify the IP Address of SmartSIP.
- Assign a priority in the **Priority / Weight** field, during testing a value of **1** was used for SmartSIP IP address.
- Select the SmartSIP SIP Server defined in **Section 8.2** in the **SIP Server Profile** drop down menu. This automatically populates the **Next Hop Address** field
- Click **Finish**.

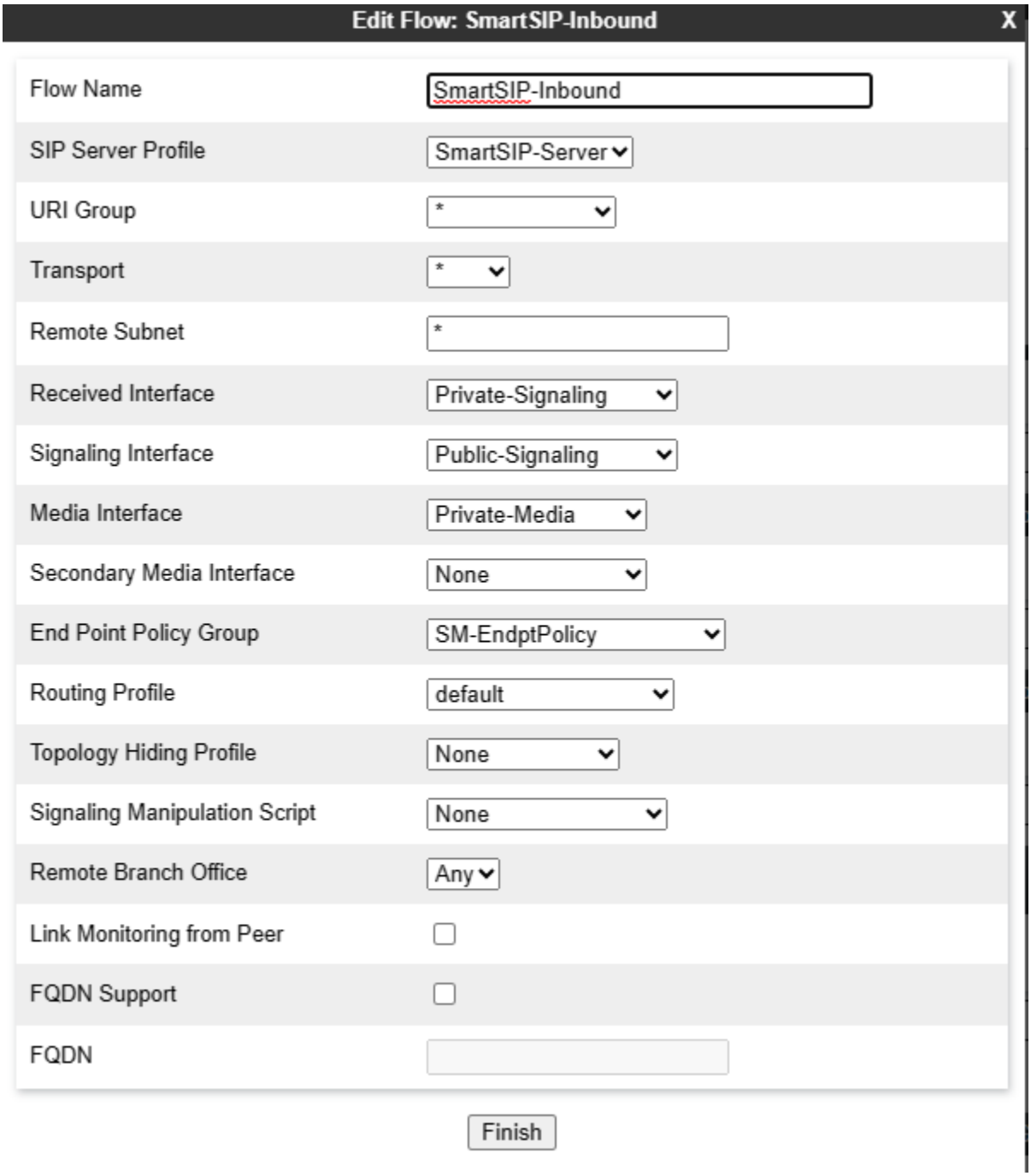


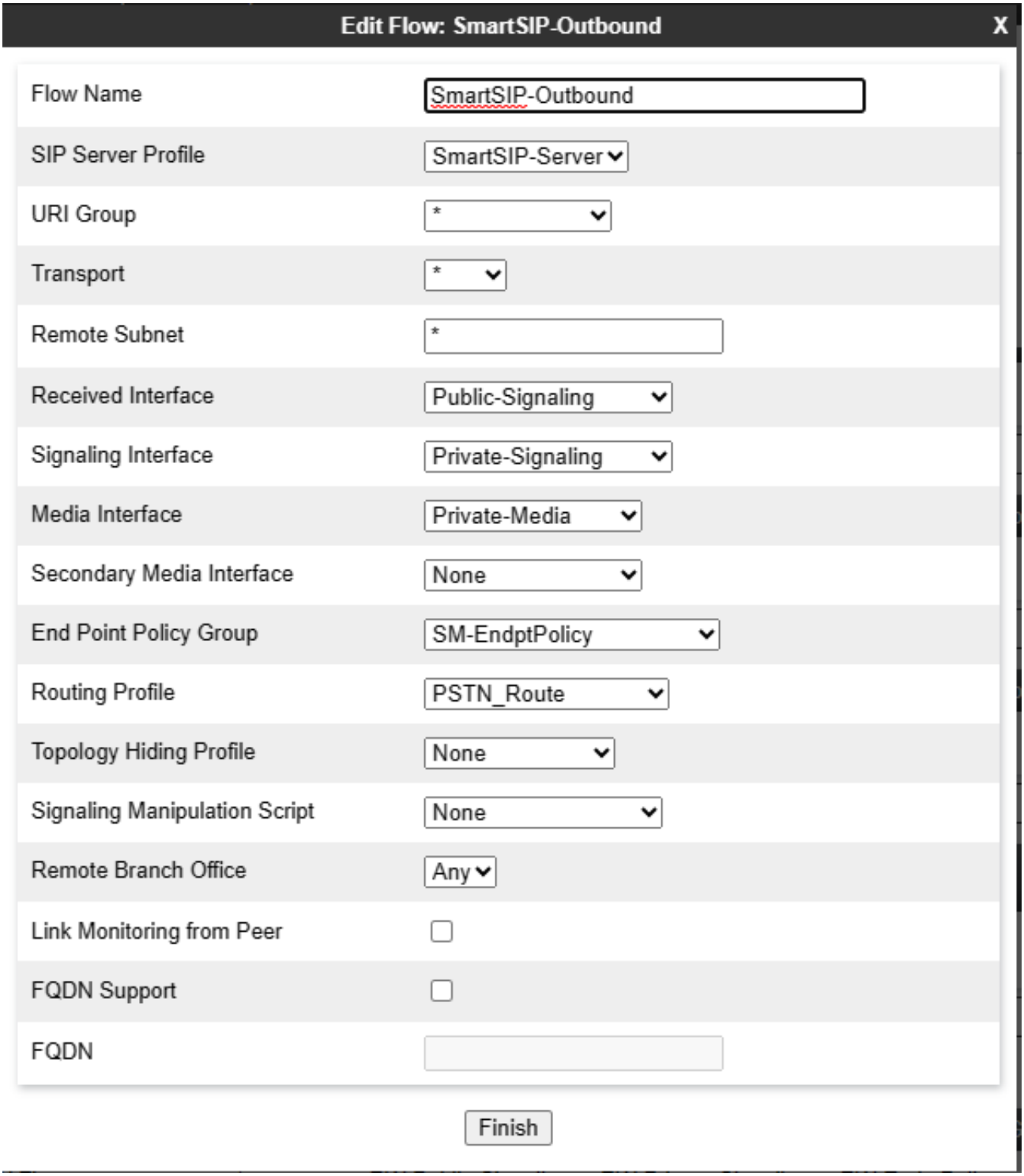
- Click on **Add** to specify the IP Address of Session Manger.
- Assign a priority in the **Priority / Weight** field, during testing a value of **2** was used for Session Manager IP address.
- Select the Session Manager SIP Server defined in the **SIP Server Profile** drop down menu. This automatically populates the **Next Hop Address** field
- Click **Finish**.



8.5. Server Flows

Server Flows combine the previously defined profiles for SmartSIP/Session Manager and SIP service provider. These End Point Server Flows allow calls to be routed to and from SmartSIP/Session Manager. Navigate to **Network & Flows → End Point Flows → Server Flows.** The screen capture below displays the configured Inbound and Outbound Server Flows. Configure the fields as shown in the screen capture.

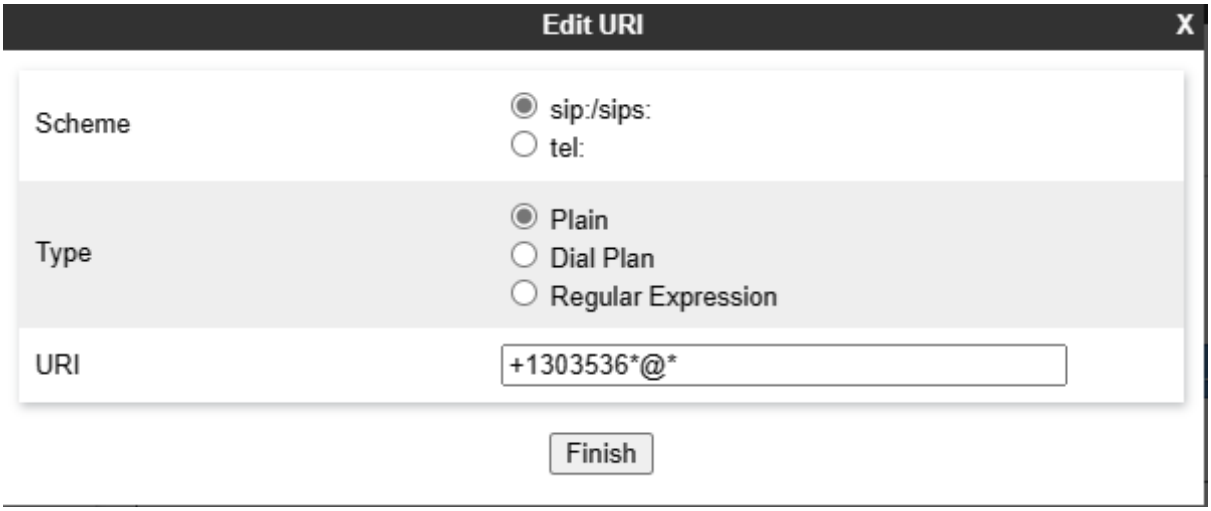




8.6. URI Group

To ensure only required calls (i.e. Call Center calls and not personal calls) are routed through SmartSIP create URI Groups.

Navigate to **Configuration Profiles → URI Groups.** Select **Add** and fill in the appropriate details for the site. This is an example from this lab.



9. Configure IntraNext SmartSIP

All configurations related to SmartSIP are performed by IntraNext engineers as each system deployed by IntraNext is built for the client's environment.

10. Verification Steps

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

10.1. Verify Avaya Aura® Communication Manager

On Communication Manager, verify status of the administered CTI link by using the "**status aesvcs cti-link**" command. Verify that the **Service State** is "**established**" for the CTI link number administered in **Section** Error! Reference source not found., as shown below.

```
status aesvcs cti-link

                          AE SERVICES CTI LINK STATUS

CTI   Version  Mnt   AE Services      Service       Msgs
Link           Busy  Server           State         Sent     Rcvd

1     12       no    aes              established   49       49
```

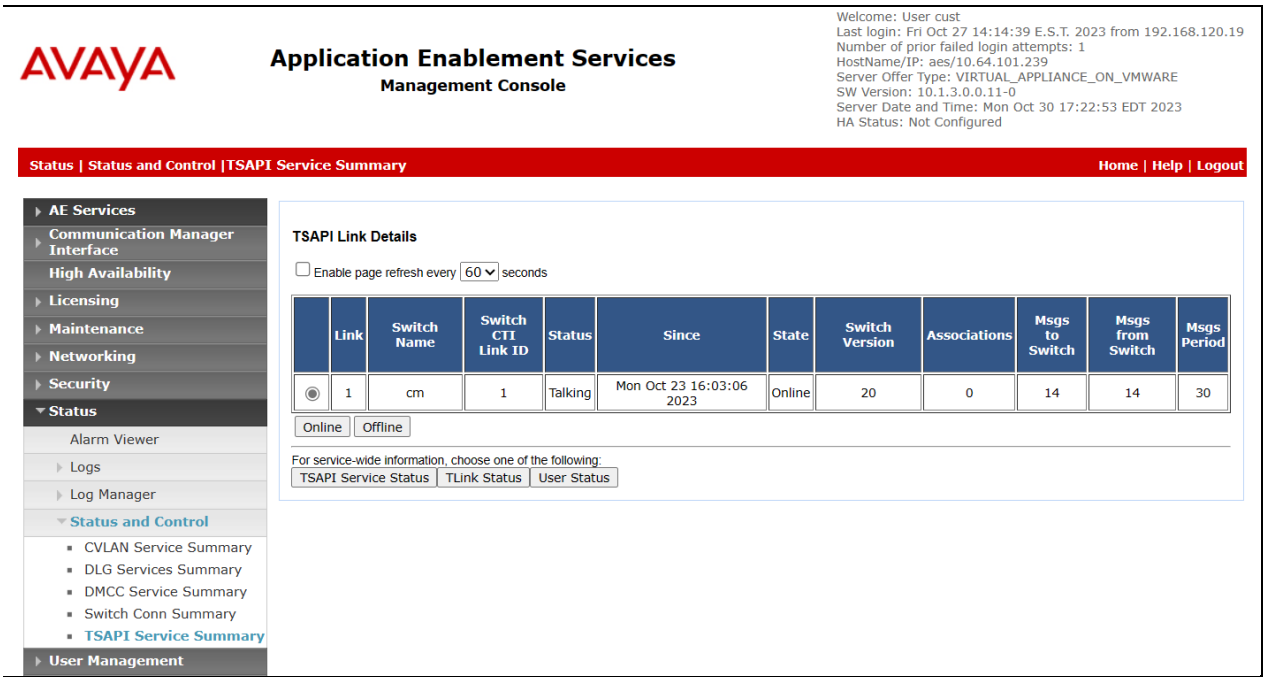
To verify SmartSIP is able to monitor the stations correctly, use the **list monitored-station** command. All the stations that are being monitored by SmartSIP are as shown below:

```
list monitored-station

                                MONITORED STATION

   Associations:     1       2       3       4       5       6       7       8
                  CTI     CTI     CTI     CTI     CTI     CTI     CTI     CTI
Station Ext       Lnk CRV Lnk CRV Lnk CRV Lnk CRV Lnk CRV Lnk CRV Lnk CRV Lnk CRV
---------------- ------- ------- ------- ------- ------- ------- ------- -------
65001             1  0004
             1  0009
```

10.2. Verify Avaya Aura® Application Enablement Services

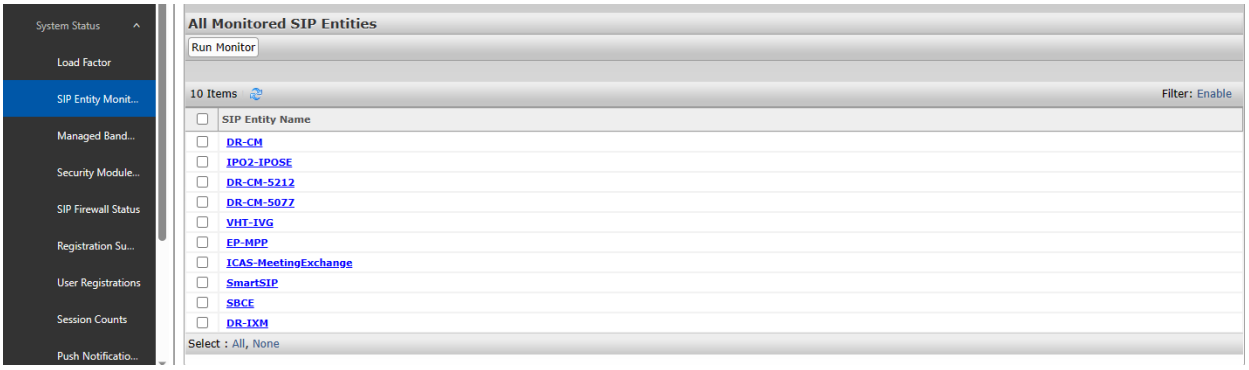
On Application Enablement Services, verify status of the TSAPI service by selecting **Status → Status and Control → TSAPI Service Summary** (not shown) from the left pane. The **TSAPI Link Details** screen is displayed.

Verify that the **Status** is "**Talking**" for the TSAPI link administered in **Section 6.3**, and that the **Associations** column reflects the number of logged in agents from **Section** Error! Reference source not found., in this case "**2**".



10.3. Verify Avaya Aura® Application Enablement Services

To verify SIP connectivity to SmartSIP, via System Manager, navigate to **Elements → Session Manager → System Status → SIP Entity Monitoring.** Under the **All Monitored SIP Entities,** select the SmartSIP SIP Entity.



Verify **Conn. Status** is **UP.**

11. Conclusion

These Application Notes describe the configuration steps required for IntraNext SmartSIP 10.4 to successfully interoperate with Avaya Aura® Communication Manager 10.1 and Avaya Aura® Application Enablement Services 10.1. All feature and serviceability test cases were completed.

12. Additional References

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

1. *Administering Avaya Aura® Communication Manager*, Release 10.1.x, Issue 6, May 2023, available at http://support.avaya.com.

2. *Administering Avaya Aura® Application Enablement Services*, Release 10.1.x, Issue 7, May 2023, available at http://support.avaya.com.

3. *Administering Avaya Aura® Session Manager*, Release 10.1.x, Issue 6, May 2023, available at http://support.avaya.com.

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