

Avaya Solution & Interoperability Test Lab

Application Notes for Configuring Nuance Speech Attendant with Avaya Aura® Session Manager R6.3 and Avaya Aura® Communication Manager R6.2 – Issue 1.0

Abstract

These Application Notes describe the configuration steps required to integrate the Nuance Speech Attendant with Avaya Aura® Session Manager and Avaya Aura® Communication Manager using SIP integration. Nuance Speech Attendant allows callers to speak the name of a person, department, service, or location and be automatically transferred to the requested party without waiting to speak to an operator. In addition, the caller may dial an extension number and be transferred to the requested party.

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

1. Introduction

These Application Notes describe the configuration steps required to integrate the Nuance Speech Attendant (SA) with Avaya Aura® Session Manager and Avaya Aura® Communication Manager using SIP integration. Nuance Speech Attendant allows callers to speak the name of a person, department, service, or location and be automatically transferred to the requested party without waiting to speak to an operator. In addition, the caller may dial an extension number to be transferred to the requested party.

2. General Test Approach and Test Results

The interoperability compliance testing included feature and serviceability test cases.

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

2.1. Interoperability Compliance Testing

Feature testing focused on Nuance SA successfully recognizing spoken names and extensions entered via DTMF, and then transferring the call to the correct destination. Blind and supervised transfers were verified. Other features covered included: DNIS and CLID handling, barge-in / no barge-in, adding new transfer entries, recording caller utterances, and accessing Maintenance Mode and Personal Administration Mode to record name and change PIN.

Serviceability testing focused on verifying the ability of the Nuance SA to recover from adverse conditions, such as server restarts, power failures, and disconnecting cables to the IP network.

2.2. Test Results

All test cases passed with the following observation:

• Nuance SA does not support shuffling (i.e., direct IP-IP media) and should be disabled either in the IP Network Region or SIP signaling group as shown in **Section 5.2**.

2.3. Support

To obtain technical support for Nuance Speech Attendant, contact Nuance via their website, email, or phone number.

• Web: www.network.nuance.com

Email: <u>SpeechAttendant.Support@nuance.com</u>
 Phone: +1 (866) 434-2564 or +1 (514) 390-3922

3. Reference Configuration

Figure 1 illustrates the setup used to verify the Nuance Speech Attendant (SA) solution with Avaya Aura® Session Manager and Avaya Aura® Communication Manager. Nuance SA is deployed on a dedicated server running Windows 2008 R2 Enterprise server. Session Manager interfaces to Communication Manager using a SIP trunk, and Nuance SA interfaces to Session Manager via SIP. To access the Nuance SA application, a call is simply routed from Communication Manager to the SA server through the Session Manager. Multiple SIP ports were configured on the Nuance SA server. Avaya Aura® System Manager was used to configure Session Manager.

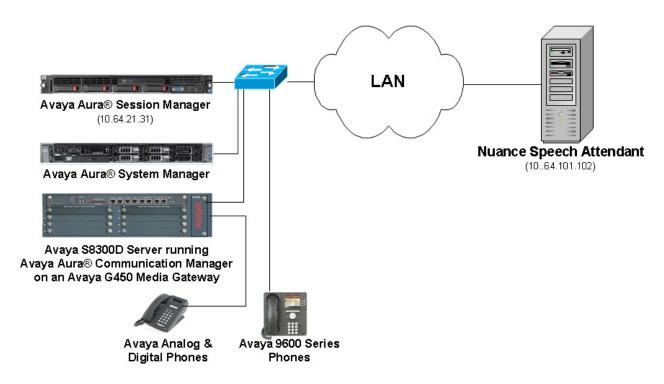


Figure 1: Configuration with Nuance Speech Attendant in an Avaya SIP Network.

4. Equipment and Software Validated

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

Equipment/Software	Release/Version						
Avaya Aura® Communication Manager	6.2 Service Pack 5						
running on Avaya S8300D Server with an							
Avaya G450 Media Gateway							
Avaya Aura® Session Manager running on a	6.3 with SP1						
HP Proliant DL360 G7	0.5 with 51 1						
Avaya Aura® System Manager running on a	6.3 with SP1						
Dell TM PowerEdge TM R610 Server	0.5 with 51 1						
Avaya one-X® 9600 Series IP Telephones							
• 96x0 (H.323)	Avaya one-X® Deskphone Edition 3.1.5						
• 96x0 (SIP)	Avaya one-X® Deskphone Edition 2.6.9 Avaya one-X® Deskphone Edition 6.2.2						
• 96x1 (H.323)							
• 96x1 (SIP)	Avaya one-X® Deskphone Edition 6.2.1						
` ′							
Avaya 6210 Analog Phone	-						
Avaya 2420 Digital Phone	-						
Nuance Speech Attendant	11.1 Hotfix 44						

5. Configure Avaya Aura® Communication Manager

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

- Verify SIP Trunk Capacity
- Configure a SIP trunk between Communication Manager and Session Manager
- Configure AAR Call Routing to Nuance SA

Use the System Access Terminal (SAT) to configure Communication Manager and log in with the appropriate credentials. In the Communication Manager SAT screens shown throughout this document, the SAT command used to access each screen is displayed in the upper left-hand corner of the screen.

5.1. Verify SIP Trunk Capacity

Using the SAT, verify that SIP trunks are enabled in the **system-parameters customer-options** form. The license file installed on the system controls these options. If a required feature is not enabled, contact an authorized Avaya sales representative.

On **Page 2** of the **system-parameters customer-options** form, verify that the number of SIP trunks supported by the system is sufficient.

```
display system-parameters customer-options
                                                                       2 of 11
                                                                Page
                                OPTIONAL FEATURES
IP PORT CAPACITIES
                    Maximum Administered H.323 Trunks: 12000 68
          Maximum Concurrently Registered IP Stations: 18000 11
            Maximum Administered Remote Office Trunks: 12000 0
Maximum Concurrently Registered Remote Office Stations: 18000 0
             Maximum Concurrently Registered IP eCons: 414
 Max Concur Registered Unauthenticated H.323 Stations: 100
                       Maximum Video Capable Stations: 41000 4
                  Maximum Video Capable IP Softphones: 18000 2
                      Maximum Administered SIP Trunks: 24000 70
 Maximum Administered Ad-hoc Video Conferencing Ports: 24000 0
  Maximum Number of DS1 Boards with Echo Cancellation: 522
                            Maximum TN2501 VAL Boards: 128
                    Maximum Media Gateway VAL Sources: 250
          Maximum TN2602 Boards with 80 VoIP Channels: 128
         Maximum TN2602 Boards with 320 VoIP Channels: 128
                                                              0
   Maximum Number of Expanded Meet-me Conference Ports: 300
        (NOTE: You must logoff & login to effect the permission changes.)
```

5.2. Configure SIP Trunk

In the **IP Node Names** form, assign a host name and an IP address for the Session Manager SIP interface (e.g. SM_21_21 and 10.64.21.31). The host name will be used throughout the other configuration screens of Communication Manager.

```
Change node-names ip

IP NODE NAMES

Name

IP Address

SM_21_31

default

0.0.0.0

msgserver

10.64.21.41
```

In the **IP Network Region** form, the **Authoritative Domain** field is configured to match the domain name configured on Session Manager in **Section 6.1**. In this configuration, the domain name is *avaya.com*. By default, **IP-IP Direct Audio** (shuffling) is enabled to allow audio traffic to be sent directly between IP endpoints without using media resources in the Avaya G450 Media Gateway. However, Nuance SA does not support shuffling so it should be disabled either in the IP Network Region or in the SIP signaling group configured below. The **IP Network Region** form also specifies the **Codec Set** to be used for calls routed over the SIP trunk to Session Manager. This codec set is used when its corresponding network region (i.e., IP Network Region '1') is specified in the SIP signaling group.

```
change ip-network-region 1
                                                                       1 of
                                                                            20
                                                                Page
                               IP NETWORK REGION
 Region: 1
                Authoritative Domain: avaya.com
Location:
   Name:
MEDIA PARAMETERS
                               Intra-region IP-IP Direct Audio: no
     Codec Set: 1
                               Inter-region IP-IP Direct Audio: no
  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/O 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
```

In the **IP Codec Set** form, select the audio codec type supported for calls routed over the SIP trunk to Nuance SA. The form is accessed via the **change ip-codec-set 1** command. Note that IP codec set *I* was specified in **IP Network Region** form *I* shown above. The default settings of the **IP Codec Set** form are shown below. Nuance SA supports G.711mu-law.

```
change ip-codec-set 1

Page 1 of 2

IP Codec Set

Codec Set: 1

Audio Silence Frames Packet
Codec Suppression Per Pkt Size(ms)
1: G.711MU n 2 20
2:
```

Prior to configuring a SIP trunk group for communication with Session Manager, a SIP signaling group must be configured. Configure the **Signaling Group** form as follows:

- Set the **Group Type** field to *sip*.
- Set the **IMS Enabled** field to *n*.
- The **Transport Method** field was set to *tls*.
- Specify the processor (procr) board and the Session Manager as the two ends of the signaling group in the Near-end Node Name field and the Far-end Node Name field, respectively. These field values are taken from the IP Node Names form.
- Ensure that the TLS port value of 5061 is configured in the **Near-end Listen Port** and the **Far-end Listen Port** fields.
- The preferred codec for the call will be selected from the IP codec set assigned to the IP network region specified in the **Far-end Network Region** field.
- Enter the domain name of Session Manager in the **Far-end Domain** field. In this configuration, the domain name is *avaya.com*.
- The Direct IP-IP Audio Connections field was disabled on this form since Nuance SA does not support shuffling.
- The **DTMF over IP** field should be set to the default value of *rtp-payload*. Communication Manager supports DTMF transmission using RFC 2833. The default values for the other fields may be used.

```
add signaling-group 1
                                                                Page 1 of
                                SIGNALING GROUP
Group Number: 1 Group Type: sip
IMS Enabled? n Transport Method: tls
    Q-SIP? n

IP Video? y Priority Video? n Enforce SIPS URI for SRTP? y
 Peer Detection Enabled? y Peer Server: SM
  Near-end Node Name: procr
                                             Far-end Node Name: SM_21_31
Near-end Listen Port: 5061
                                         Far-end Listen Port: 5061
                                       Far-end Network Region: 1
Far-end Domain: avaya.com
                                             Bypass If IP Threshold Exceeded? n
Incoming Dialog Loopbacks: eliminate
                                                    RFC 3389 Comfort Noise? n
       DTMF over IP: rtp-payload
                                             Direct IP-IP Audio Connections? n
Session Establishment Timer(min): 3
                                                       IP Audio Hairpinning? n
       Enable Layer 3 Test? y
                                                 Initial IP-IP Direct Media? n
H.323 Station Outgoing Direct Media? n
                                                 Alternate Route Timer(sec): 6
```

Configure the **Trunk Group** form as shown below. This trunk group is used for calls to SIP endpoints. Set the **Group Type** field to *sip*, set the **Service Type** field to *tie*, specify the signaling group associated with this trunk group in the **Signaling Group** field, and specify the **Number of Members** supported by this SIP trunk group. Configure the other fields in bold and accept the default values for the remaining fields.

```
add trunk-group 1

TRUNK GROUP

Group Number: 1

Group Type: sip

CDR Reports: y

COR: 1

TN: 1

TAC: 101

Direction: two-way

Dial Access? n

Queue Length: 0

Service Type: tie

Auth Code? n

Member Assignment Method: auto

Signaling Group: 1

Number of Members: 12
```

On **Page 3** of the trunk group form, set the **Numbering Format** field to *private*. This field specifies the format of the calling party number sent to the far-end.

```
add trunk-group 1
TRUNK FEATURES

ACA Assignment? n Measured: none

Maintenance Tests? y

Numbering Format: private

UUI Treatment: service-provider

Replace Restricted Numbers? n
Replace Unavailable Numbers? n
Modify Tandem Calling Number: no

Show ANSWERED BY on Display? y
```

Configure the **Numbering – Private Format** form to send the calling party number to the farend. Add an entry so that local stations with a 5-digit extension beginning with '5', whose calls are routed over any trunk group, have the extension sent to the Nuance SA for proper CLID handling.

5.3. Configure AAR Call Routing to Nuance Speech Attendant

In the **AAR Digit Analysis Table**, specify a **Dialed String** that would match the Nuance SA extension (70000) and specify the **Route Pattern** that will be used to route the call.

change aar analysis 7					Page 1 of	2						
AAR DIGIT ANALYSIS TABLE												
		Location:	all	Percent Full: 1								
Dialed	Total	Route	Call	Node	ANI							
String	Min M	Max Pattern	Type	Num	Reqd							
7	5 5	1	aar		n							

In the **Route Pattern** form, specify the SIP trunk group for **Grp No**, and set the **Numbering Format** for the route preference to *lev0-pvt*.

chai	nge 1	cout	e-pat	terr	n 1]	Page	1 of	3	
					Pattern	Number	: 1	Pat	tern Nam	ne: t	o SM_	21_3	1			
						SCCAN	1? n	S	ecure SI	IP? r	า					
	Grp	FRL	NPA	Pfx	Hop Toll	L No.	Inse	rted						DCS/	IXC	
	No			Mrk	Lmt List	Del	Digit	ts						QSIG		
						Dgts								Intw		
1:	1	0				0								n	user	
2:														n	user	
3:														n	user	
4:														n	user	
5:														n	user	
6:														n	user	
				TSC	CA-TSC	ITC	BCIE	Serv	ice/Feat	ture	PARM			_	LAR	
	0 1	2 M	4 W		Request							_	Form	at		
											Suk	paddr				
1:	УУ	УУ	y n	n		rest	_						lev0	-pvt	none	
2:	У У	УУ	y n	n		rest	5								none	
3:	У У	У У	y n	n		rest	5								none	
4:	у у	У У	y n	n		rest	5								none	
5:	У У	УУ	y n	n		rest	5								none	
6:	У У	УУ	y n	n		rest									none	

6. Configure Avaya Aura® Session Manager

This section provides the procedures for configuring Session Manager. The procedures include adding the following items:

- SIP domain.
- Logical/physical Locations that can be occupied by SIP Entities.
- SIP Entities corresponding to Session Manager and Communication Manager.
- Entity Links, which define the SIP trunk parameters used by Session Manager when routing calls to/from SIP Entities.
- Routing Policies, which control call routing between the SIP Entities.
- Dial Patterns, which govern to which SIP Entity a call is routed.

Configuration is accomplished by accessing the browser-based GUI of System Manager using the URL "https://<ip-address>", where <ip-address> is the IP address of System Manager. Log in with the appropriate credentials (not shown).

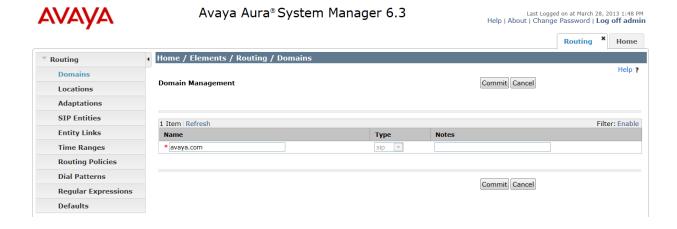
6.1. Specify SIP Domain

Add the SIP domain for which the communications infrastructure will be authoritative. Do this by selecting **Domains** on the left and clicking the **New** button on the right (not shown). The following screen will then be shown. Fill in the following:

- **Name:** The authoritative domain name (e.g., *avaya.com*).
- **Notes:** Descriptive text (optional).

Click Commit.

Since the sample configuration does not deal with any other domains, no additional domains need to be added.



6.2. Add Locations

Locations can be used to identify logical and/or physical locations where SIP Entities reside for purposes of bandwidth management. To add a location, select **Locations** on the left and then click the **New** button on the right (not shown). The following screen will then be shown. Fill in the following:

Under General:

■ Name: A descriptive name.

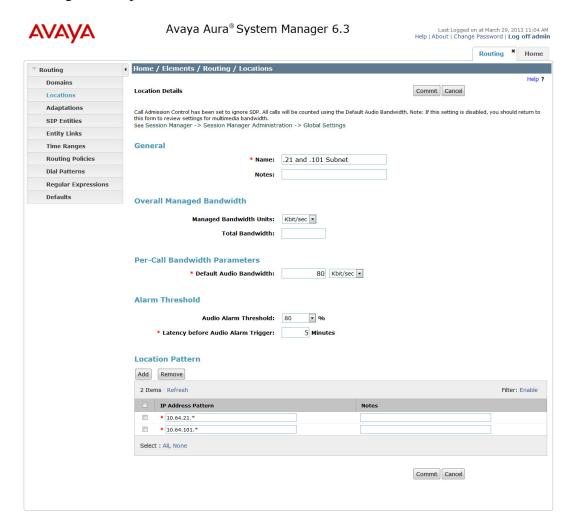
Notes: Descriptive text (optional).

Under Location Pattern:

■ **IP Address Pattern:** A pattern used to logically identify the location.

• **Notes:** Descriptive text (optional).

The screen below shows addition of a location which includes the Communication Manager, Session Manager, and Speech Attendant. Click **Commit** to save the Location definition.



6.3. Add SIP Entities

In the sample configuration, a SIP Entity is added for Session Manager, Communication Manager, and Nuance Speech Attendant.

6.3.1. Avaya Aura® Session Manager

A SIP Entity must be added for Session Manager. To add a SIP Entity, select **SIP Entities** on the left and click on the **New** button on the right (not shown). The following screen is displayed. Fill in the following:

Under General:

■ Name: A descriptive name.

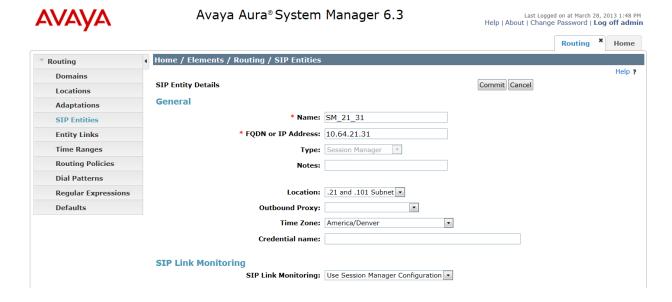
• **FQDN or IP Address:** IP address of the signaling interface on Session Manager.

■ **Type:** Select Session Manager.

Location: Select the location defined previously.

■ **Time Zone:** Time zone for this location.

Defaults can be used for the remaining fields. Click **Commit** to save each SIP Entity definition. **Note:** The **Ports** section of this screen (not shown) is assumed to have been previously configured.



6.3.2. Avaya Aura® Communication Manager

A SIP Entity must be added for the Communication Manager. To add a SIP Entity, select **SIP Entities** on the left and click on the **New** button on the right (not shown). The following screen is displayed. Fill in the following:

Under General:

• Name: A descriptive name.

• FQDN or IP Address: IP address of the signaling interface (e.g., procr board)

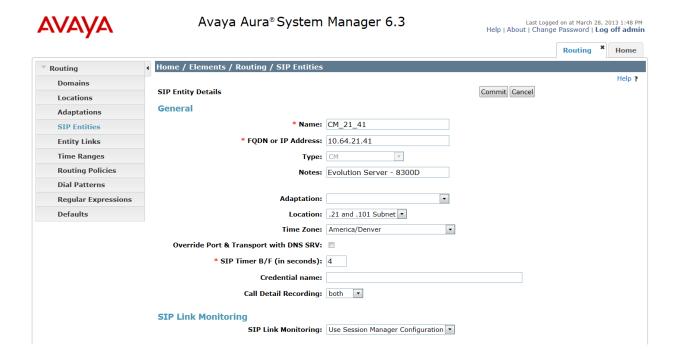
on the telephony system.

■ **Type:** Select *CM*.

Location: Select the location defined previously.

■ **Time Zone:** Time zone for this location.

Defaults can be used for the remaining fields. Click Commit to save each SIP Entity definition.



6.3.3. Nuance Speech Attendant

A SIP Entity must be added for Nuance SA. To add a SIP Entity, select **SIP Entities** on the left and click on the **New** button on the right (not shown). The following screen is displayed. Fill in the following:

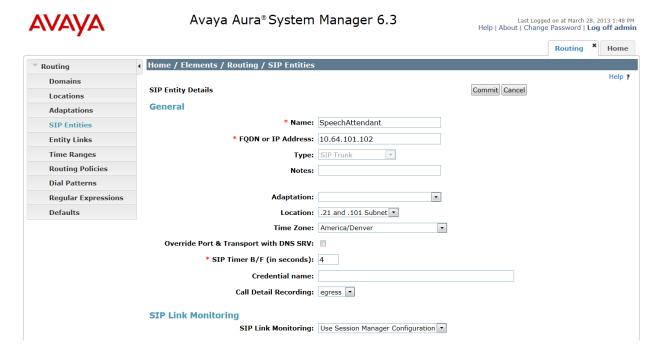
Under General:

Name: A descriptive name.
 FQDN or IP Address: Nuance SA IP address.
 Type: Select SIP Trunk.

• **Location:** Select the location defined previously.

■ **Time Zone:** Time zone for this location.

Defaults may be used for the remaining fields. Click Commit to save each SIP Entity definition.



6.4. Add Entity Link

The SIP trunk from Session Manager to Communication Manager and Nuance SA are described by Entity Links. To add an Entity Link, select **Entity Links** on the left and click on the **New** button on the right (not shown). Fill in the following fields in the new row that is displayed:

• Name: A descriptive name.

SIP Entity 1: Select the Session Manager.
 Protocol: Select the appropriate protocol.

• **Port:** Port number to which the other system sends SIP

requests.

• SIP Entity 2: Select the name of Communication Manager or

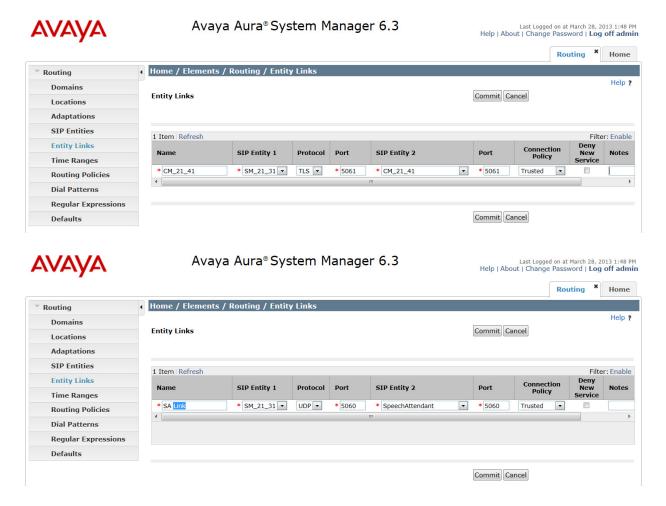
Nuance SA.

Port: Port number on which the other system receives

SIP requests.

■ **Trusted:** Select *Trusted*.

The following screens display the two Entity Links. The first entity link is for Session Manager and Communication Manager. The second entity link is for Session Manager and Nuance SA.



6.5. Add Routing Policies

Routing policies describe the conditions under which calls will be routed to the SIP Entities. Two routing policies were added – one for Communication Manager and one for Nuance SA. To add a routing policy, select **Routing Policies** on the left and click on the **New** button on the right (not shown). The following screen is displayed. Fill in the following:

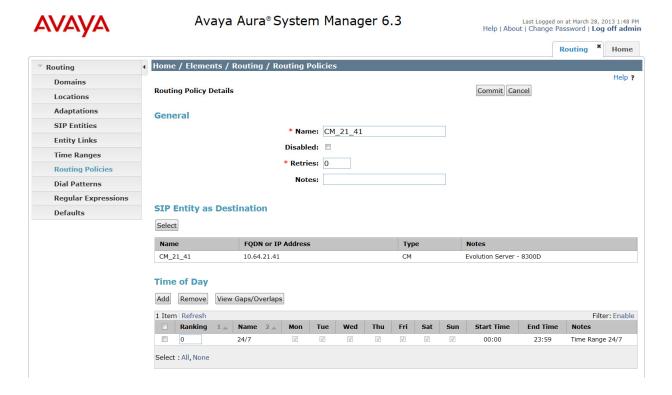
Under General:

Enter a descriptive name in Name.

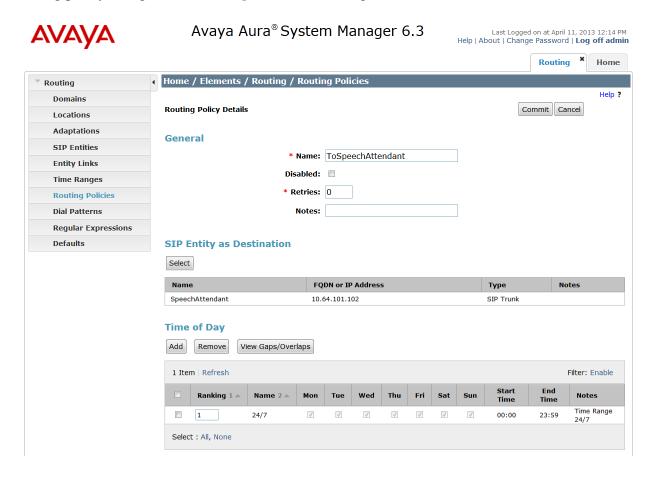
Under SIP Entity as Destination:

Click **Select**, and then select the appropriate SIP entity to which this routing policy applies.

Defaults can be used for the remaining fields. Click **Commit** to save each Routing Policy definition. The following screen shows the Routing Policy for Communication Manager.



The following screen shows the Routing Policy for Nuance SA. Note in the example below, this routing policy was given a **Ranking** of *I*. The ranking will be discussed in the next section.



6.6. Add Dial Patterns

Dial patterns must be defined that will direct calls to the appropriate SIP Entity. In the sample configuration, 5-digit extensions beginning with "5" reside on Communication Manager, extension "70000" is the Nuance SA number. To add a dial pattern, select **Dial Patterns** on the left and click on the **New** button on the right (not shown). Fill in the following:

Under General:

Pattern: Dialed number or prefix.

Min Minimum length of dialed number.
 Max Maximum length of dialed number.

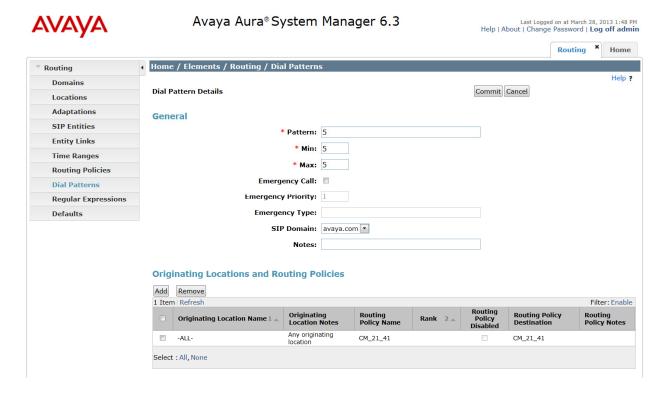
SIP Domain
 SIP domain of dial pattern.

Under Originating Locations and Routing Policies:

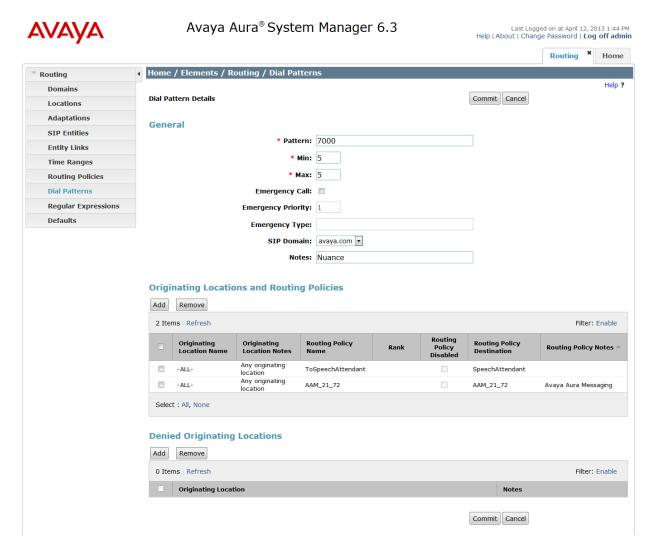
Click **Add**, and then select the appropriate location and routing policy from the list.

Default values can be used for the remaining fields. The following screen shows the dial pattern definitions for local extensions on Communication Manager. Click **Commit** to save this dial pattern.

The following screen shows the dial pattern definition for Communication Manager extensions beginning with "5".



The following screen shows the dial pattern definition for the Nuance SA number (70000). As mentioned in **Section 6.5**, the *ToSpeechAttendant* routing policy was assigned a **Rank** of *1*. If desired, additional routing policies may be created with the desired ranks (the lower the rank number, the higher the priority). In the example below, under **Originating Locations and Routing Policies**, a second routing policy (*AAM_21_72*) is assigned to this dial pattern. The *AAM_21_72* routing policy was assigned a rank of 2 (not shown). When a call to extension 70000 is dialed, Session Manager will first use the routing policy with the lowest rank and route the call to Nuance SA. In **Section 7.1**, Nuance SA was configured to send a 503 SIP message when all the SA ports are busy. As a result, when Session Manager receives a 503 SIP message response, Session Manager will then attempt to reroute the call using the next lowest ranked routing policy.



7. Configure Nuance Speech Attendant

This section covers the procedure for configuring Nuance Speech Attendant (SA). The procedure includes the following areas:

- Configure SIP interface in the Configuration Panel.
- Configure the number of SIP ports supported by Nuance SA.

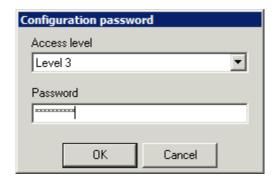
Note: Configuration of transfer entries and menus in Nuance SA is outside the scope of these Application Notes and will not be covered.

Nuance SA is configured through **Admin Tools** which can be started by navigating to **Start→Programs→Speech Attendant→Admin Tools** (not shown). The initial screen is displayed below.

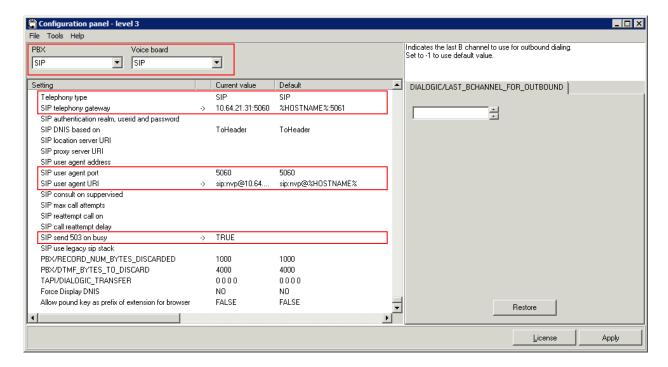


7.1. Configure SIP Interface in Configuration Panel

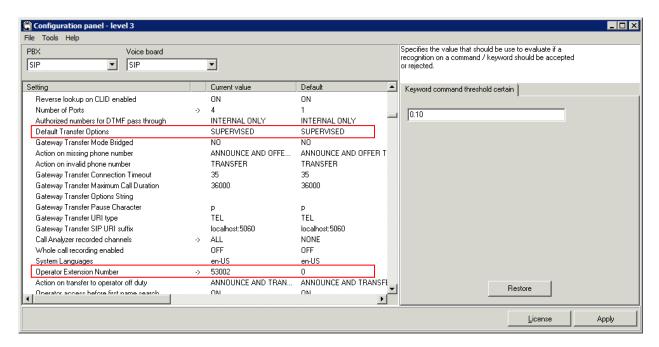
To open the **Configuration Panel**, click on this option in the **Admin Tools** window shown above. The login prompt will be displayed to the user as shown below. Log in with the appropriate credentials using *Level 3* access level.



The Configuration Panel shown below is displayed. The Configuration Panel allows the SIP interface, transfer mode, and operator extension number to be configured. SA supports blind and supervised transfers. To configure the SIP interface, set the PBX and Voice Board fields to SIP. Next, set the Telephony type field to SIP and specify the Session Manager IP address and port in the SIP telephony gateway field. Configure the SIP port that SA listens on in the SIP user agent port field and specify the SIP user agent URI for SA. Set SIP send 503 on busy to TRUE.

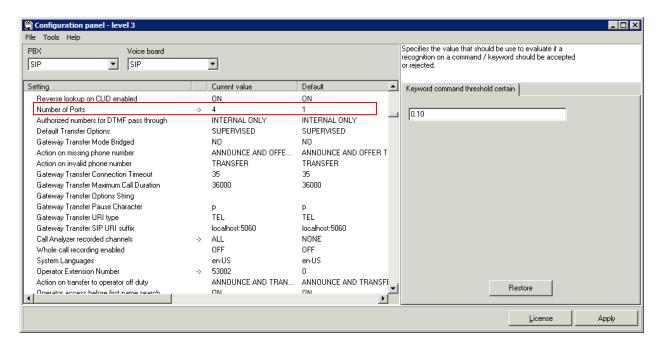


In the **Configuration Panel**, specify the transfer mode (supervised or unsupervised) in the **Default Transfer Options** field, and specify the **Operator Extension Number**, which should be set to a valid extension on Communication Manager.

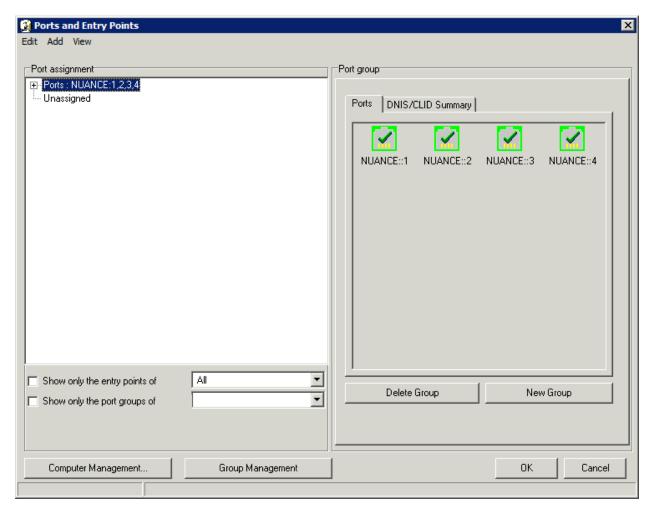


7.2. Configure Number of Ports Supported

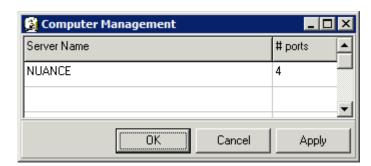
In the **Configuration Panel**, set the **Number of Ports** field to the desired value. In this example, 4 ports were configured. Click **Apply** and then close the **Configuration Panel**. Allow the SA application to be restarted when prompted.



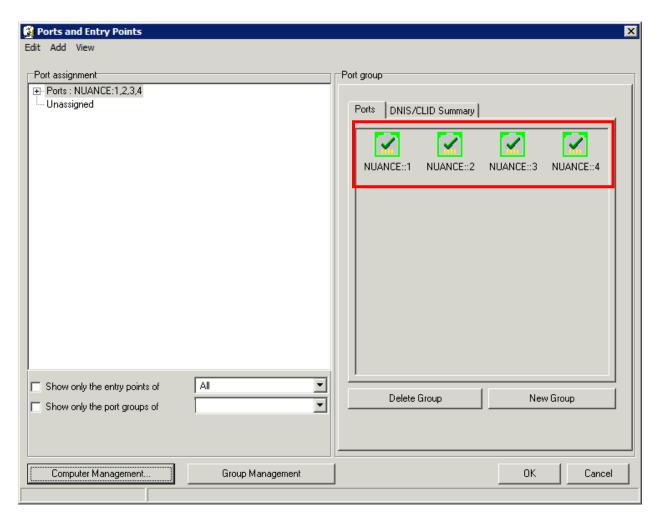
From Admin Tools, click on the Phone Directory and Menu Editor option and login with the appropriate credentials. In the Menu Editor (not shown), navigate to Edit → Ports and Entry Points to display the window below. Once the Ports and Entry Points window is opened, click on the Computer Management button at the bottom of the screen.



In the **Computer Management** window, set the # ports column to the desired value. In this example, 4 ports were configured. Click **OK**.



Under the Port group section of the **Ports and Entry Points** window, a list of ports in the system will be displayed. Make sure they are all green (enabled). If the ports are grey (disabled), click on each icon to enable them. Click **OK**.

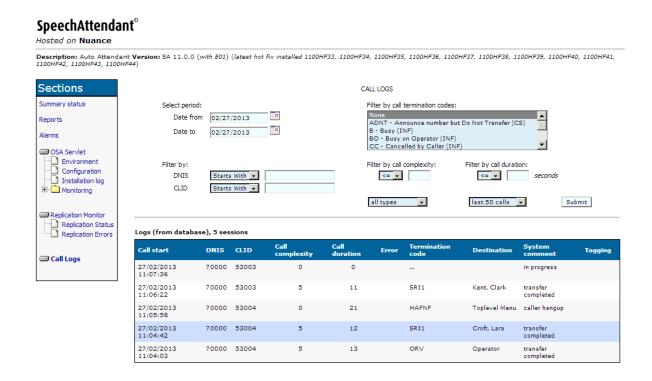


Next, close the **Configuration Panel**. Allow the system to restart when prompted.

8. Verification Steps

This section provides the verification steps that may be performed to verify that Nuance SA is operating properly with Avaya Aura® Session Manager and Avaya Aura® Communication Manager using SIP integration.

1. Place a call to Nuance SA. From the Nuance SA server, open the SA **Monitor** from **Admin Tools** (refer to **Section 7** for accessing **Admin Tools**) and login with the appropriate credentials. Verify that SA detects an active call as shown below. For example, the first entry indicates that the call is *in progress*.



2. Verify that the Nuance SA greeting is heard and SA transfers the call to the proper destination specified in a spoken name or extension entered via DTMF.

9. Conclusion

These Application Notes describe the configuration steps required to integrate Nuance Speech Attendant with Avaya Aura® Session Manager and Avaya Aura® Communication Manager using SIP integration. All feature and serviceability test cases were completed successfully. Refer to **Section 2.2** for test results and any observations.

10. Additional References

This section references the Avaya documentation relevant to these Application Notes. The following Avaya product documentation is available at http://support.avaya.com.

- [1] *Administering Avaya Aura*® *Communication Manager*, December 2012, Release 6.2, Issue 7.0, Document Number 03-300509.
- [2] Administering Avaya Aura® Session Manager, December 2012, Release 6.3, Document.

Nuance product documentation is available at https://network.nuance.com/portal/server.pt.

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