

Avaya Solution & Interoperability Test Lab

Application Notes for Configuring ATT-AudioText Telecom AG Alarm Management Server with Avaya Aura® Communication Manager R7.0 and Avaya Aura® Session Manager R7.0 – Issue 1.0

Abstract

These Application Notes describe the configuration steps for provisioning ATT-AudioText Telecom AG Alarm Management Server to interoperate with Avaya Aura® Communication Manager and Avaya Aura® Session Manager.

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 DevConnect Program at the Avaya Solution and Interoperability Test Lab.

1. Introduction

These Application Notes describe the configuration steps required for ATT-AudioText Telecom AG Alarm Management Server to successfully interoperate with Avaya Aura® Communication Manager R7.0 and Avaya Aura® Session Manager R7.0. The ATT-AudioText Telecom AG Alarm Management Server (ATT AMX) generates preconfigured or ad hoc alarms which were signalled to Communication Manager as calls via a SIP Trunk between the ATT-AudioText Telecom AG Alarm Management Server and Avaya Aura® Session Manager.

2. General Test Approach and Test Results

The interoperability compliance testing evaluates the ability of The ATT AMX server to send an Alarm notification both orally and visually to various Avaya endpoints. For the conformance tests described by these Application Notes, ATT AMX Alarm Management Server and Communication Manager were configured to operate a follows:

- Each alarm consisted of an audio message and a text message. The text message was sent as the calling party name (which can have a maximum length of fifteen characters) and was thus visible for alarms to local extensions and DECT endpoints (but not PSTN endpoints).
- Alarms were also configured such that the alarm recipient must acknowledge via keypad input, thus preventing alarms which were answered by voicemail systems from being considered as delivered.

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

The compliance testing included the test scenarios shown below. Note that when applicable, all tests were performed with Avaya SIP deskphones, Avaya H.323 deskphones and PSTN endpoints.

- Alarm creation via text-to-speech and via telephone input
- Alarm delivery to idle station
- Alarm to busy station
- Alarm to station, no answer
- Alarm to station with coverage enabled, no answer
- Alarm to station with call forwarding enabled
- Alarm to unavailable station
- Alarm to tandem station
- Alarm to hunt group
- Alarm to multiple endpoints
- Automatic startup after power interruption
- Recovery from interruption to interface to PBX

2.2. Test Results

The following observations were noted during testing.

- If a local fixed extension which has no available call appearance receives an incoming alarm call, the caller receives a "busy" indication: it makes no difference if it is a "priority" call.
- If an alarm call is made to a diverted (call forwarding) station, the call is diverted: it makes no difference if it is a "priority" call.
- If the ATT AMX Alarm Management Server is disconnected from its LAN interface, no alarms will be generated. The unit continues normal operation when the LAN interface is reconnected.

2.3. Support

Support from Avaya is available by visiting the website <u>http://support.avaya.com</u> and a list of product documentation can be found in **Section 10** of these Application Notes.

Product information and support for ATT AG products may be found at:

- Website: www.attag.ch
- Help desk: +41 (0)44 908 60 04

3. Reference Configuration

Figure 1 shows the network topology during compliance testing. The ATT AMX server is connected to the telephony LAN and registers with Session Manager in order to be able to send alarms to the Avaya H.323 and SIP deskphones on Communication Manager.

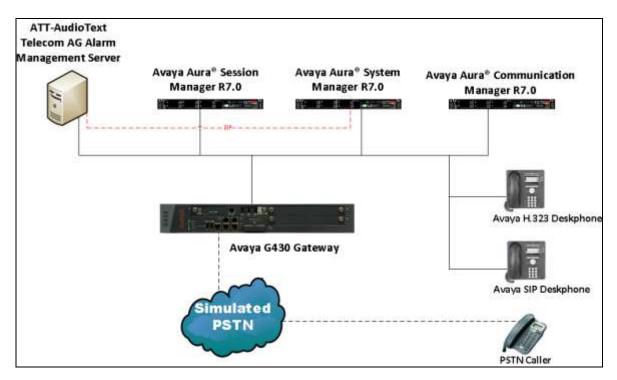


Figure 1: Network Solution of ATT-AudioText Telecom AG Alarm Management Server with Avaya Aura® Communication Manager R7.0 and Avaya Aura® Session Manager R7.0

4. Equipment and Software Validated

The following equipment and software was used for the compliance test.

Equipment/Software	Version/Release
	R7.0.0.1
Avaya Aura [®] System Manager running on an Avaya	Build 7.0.0.0.16266-
S8800 Server	7.0.9.7001011
	Software Update Revision
	7.0.0.1.4212
	R7.0 SP1
Avaya Aura [®] Communication Manager running on	Build 7.0.0.1.0.441.22477
an Avaya S8800 Server	Software Update Revision
	PLAT-rhel6.5-0010
Avaya G430 Media Gateway	37.20.0
Avaya Aura [®] Session Manager running on an Avaya	R7.0 SP1
S8800 Server	7.0.0.1.700102
Avaya 9611G H.323 Deskphone	Release 6.6029
Avaya 9641G H.323 Deskphone	Release 6.6029
Avaya 9641G SIP Deskphone	Release 6.5.0
Avaya 9611G SIP Deskphone	Release 6.5.0
ATT-AudioText Telecom AG Alarm Management Server	13.0.4.0

5. Configure Avaya Aura® Communication Manager

It is assumed that a fully functioning Communication Manager is in place with the necessary licensing with a SIP Trunk in place to Session Manager. For further information on the configuration of Communication Manager please see **Section 10** of these Application Notes. The following sections go through the following.

- Dial Plan Analysis
- IP Interfaces
- Network Region
- IP Codec

5.1. Configure Dial Plan Analysis

Use the **change dialplan analysis** command to configure the dial plan using the parameters shown below. Extension numbers (**ext**) are those beginning with **2**, **3**, **4** and **5**. Feature Access Codes (**fac**) use digits **8** and **9** or #.

change dialp	olan an	alysis					Page	1 of	12
				AN ANALY	SIS TABLE				
			ЦС	cation:	all	Pe	ercent F	u11: 1	
Dialed	Total	Call	Dialed	Total	Call	Dialed	Total	Call	
String	Lengt	h Type	String	Length	Туре	String	Length	Туре	
2	4	ext							
3	4	ext							
4	4	ext							
5	4	ext							
8	1	fac							
9	1	fac							
*	3	dac							
#	3	fac							

5.2. Configure IP Interfaces

Shown below is an example of the nodes names used in the compliance testing. The name and IP address of Session Manager is added. Use the **change node-names ip** command to configure the IP address of Session Manager. **SM100** is the **Name** used for Session Manager and **10.10.40.34** is the **IP Address**.

change node-nam	es ip		Page	1 of	2
		IP NODE NAMES			
Name	IP Address				
SM100	10.10.40.34				
default	0.0.0.0				
G430	10.10.40.18				
procr	10.10.40.13				
procr6	::				

5.3. Configure Network Region

Use the **change ip-network-region x** (where x is the network region to be configured) command to assign an appropriate domain name to be used by Communication Manager, in the example below **devconnect.local** is used. Note this domain is also configured in **Section 6.1** of these Application Notes.

```
change ip-network-region 1
                                                               Page 1 of 20
                              TP NETWORK REGION
 Region: 1
Location: 1
                Authoritative Domain: devconnect.local
   Name: default NR
     PARAMETERS
Codec Set: 1
MEDIA PARAMETERS
                               Intra-region IP-IP Direct Audio: yes
                               Inter-region IP-IP Direct Audio: yes
   UDP Port Min: 2048
                                          IP Audio Hairpinning? y
  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
                                                       RSVP Enabled? n
H.323 IP ENDPOINTS
 H.323 Link Bounce Recovery? y
 Idle Traffic Interval (sec): 20
   Keep-Alive Interval (sec): 5
           Keep-Alive Count: 5
```

5.4. Configure IP-Codec-Set

Use the **change ip-codec-set x** (where x is the ip-codec set used) command to designate a compatible codec set. **G.711A** and **G.729A** were used in this test.

```
change change ip-codec-set 1
                                                                       1 of
                                                                              2
                                                                 Page
                       IP Codec Set
   Codec Set: 1
              Silence Frames
   Audio
                                   Packet
   Codec
              Suppression Per Pkt Size(ms)
1: G.711A
                            2
                                     20
                   n
2: G.729A
                    n
                             2
                                     20
```

6. Configure Avaya Aura® Session Manager

The ATT AMX Server is connected to Session manager as a SIP Trunk. The configuration for this is completed using the System Manager Web interface. The configuration of connections and routing to Communication Manager is out with the scope of this document and is assumed to be in place prior to testing.

6.1. Configuration of SIP Entity and Entity Link

A SIP Entity and Entity link are required in order for the Alarm server to send the alarm message to Communication Manager Stations.

Navigate to http://<System Manager IP Address>/SMGR, enter the appropriate credentials and click on Log On.

VAVA s [®] System Manager 7.0		
Recommanded access to System Manager is via FQDN.		
Go to central login for Single Sign-On	User ID:	-1
If IP address access is your only option, then note that authentication will fail in the following cases:	Password:	
First time login with 'admin' account Expired/Reset passwords	Log On Cancel	
Use the "Change Password" hyperlink on this page to change the password manually, and then login.		Changes Passivor
Also note that single sign on between servers in the same security domain is not supported when accessing via IP address.	Supported Browsers: Internet Explorer 9.4, 10.4 or 1 37.0 and 38.0.	1.x or Firefax 36.0,

Once logged in click on **Routing** highlighted below.

AVA System Manager 7.0		Bet Legent in at fairland 11. 37 Gov.
a Users	a Elements	Q, services
Administrators Binectory Synchronization Groups & Roles Abser Hanagement User Provisioning Rain	Communication Masager Communication Server 1000 Conferencing Engagement Development Platform IP Office Motils Server Meeting Exchange Meesing Exchange Meesing Exchange Meesing Presence Mouting Session Masager Work Assignment	Bachup and Restore Bulk Import and Export Configurations Events Geographic Redundancy Inventory Licenses Bugification Reports Scheduler Security Shatdown Solution Doployment Manager Templates Temait Management

Select SIP Entities in the left window (not shown) and click on New in the main window.

Home / Elements / Routing / SIP Entities						
SIP Entities						
New Edit Delete Duplicate More Actions						
19 Items 🖙						
Name	FQDN or IP Address	Туре				

Enter a suitable **Name** and enter the **IP Address** of the ATT AMX Server. Select the **Type: SIP Trunk** and set the **Time Zone:** Click on **Commit** once completed.

Home / Elements / Routing / SIP Entities					
SIP Entity Details	5	Commit			
General	* Name:	AMX_Alarm			
	* FQDN or IP Address:	10.10.16.46			
	Туре:	SIP Trunk			
	Notes:				
	Adaptation:				
	Location:				
	Time Zone:	Europe/Dublin			
* SIP	Timer B/F (in seconds):	4			
	Credential name:				
	Securable:				
	Call Detail Recording:	egress 💌			
Loop Detection					
	Loop Detection Mode:	On 💌			
	Loop Count Threshold:	5			
Loop Dete	ction Interval (in msec):	200			
SIP Link Monitoring	SIP Link Monitoring:	Use Session Manager Configuration 💌			

Select **Entity Links** from the left window (not shown) and select **New** from the right window in order to add the new ATT AMX Entity Link.

Entity Links					
New Edit Delete	Duplicate	More Actio	ons •		
13 Items 🛛 💝					
Name	SIP Entity 1	Protocol	Port	SIP Entity 2	

Ensure that **UDP** is selected for the **Protocol** and **5060** for the **Port**. Click on **Commit** once completed.

Home	/ Elements / Rout	ting / Entity Links					
Ent	ity Links			[Commit		He
1 Ite	m 2						Fitter: Ena
	Name	SIP Entity 1	Protocol	Port	SIP Entity 2	DNS Override	Port
23	* AMX_EL	* Q,5M71676	UDP 😦	* 5060	* Q AMX_Alarm		* 5060
+ Seler	t : All, None		(IM))				

6.2. Configure a Routing Policy and Dial Pattern

A Routing Policy and Dial are required to create Alarms for distribution to Communication Manager.

From the left hand menu select **Routing Policies** (not shown). Select **New**.



Give the Routing Policy a Name: and click Select under Sip Entity as Destination.

Routing Policy Details	Commit Cancel
General	
	* Name: AMX_RP
	Disabled:
	* Retries: 0
	Notes:
SIP Entity as Destination	
Select	
Name	FQDN or IP Address

Select the ATT AMX SIP Entity created in **Section 6.1**. Click on **Select** to go back to the Details screen and click **Commit** (not shown) to save changes

SIP Entities		Select
SIP Entities		
19 Items 🛛 😂		
Name	FQDN or IP Address	Туре
AMX_Alarm	10.10.16.46	SIP Trunk

From the left hand menu select **Dial Patterns** (not shown). Select **New**.

Dial I	Dial Patterns						
New	Edit	Delete	Duplica	ate	More Actions 🔹		
18 Item	is 🍣						
Pa	attern		Min	Max	Emergency Call		

Enter the **Pattern:** you want to dial from Communication Manager to record an alarm on ATT AMX and the **Min:/Max:** digits dialled. Select **-ALL-** for the **SIP Domain:** Click **Add** under **Originating Locations and Routing Policies**.

Dial Pattern Details	Commit
General	
* Pattern:	246xxxx
* Min:	7
* Max:	7
Emergency Call:	
Emergency Priority:	1
Emergency Type:	
SIP Domain:	-ALL-
Notes:	
Originating Locations and Routing Policies Add Remove	

Select **Apply The Selected Routing Policy to All Originating Locations** under **Originating Location** and Select the Routing Policy added above under **Routing Policies**. Click **Select** to go back to the details screen and click **Commit** (not shown) to save changes.

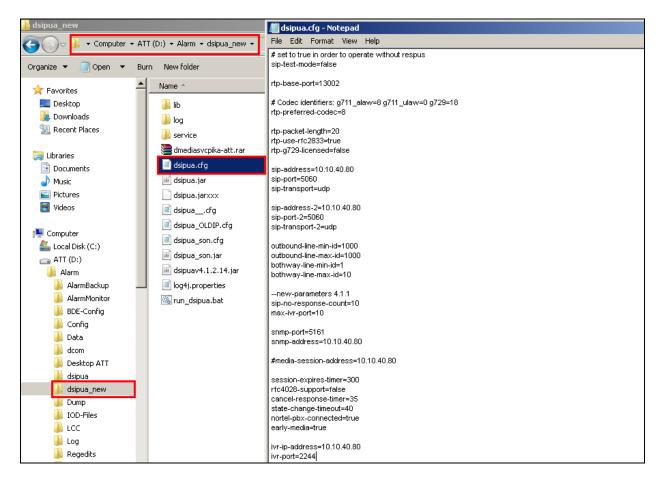
Originating Location		Select Cancel
Originating Location Apply The Selected Routing Policies to Al	l Originating Locations	
2 Items 🖓		
Vame Name		Note
Devconnect		· · ·
Speakerbus		
Select : All, None		
Deuties Delisies		
Routing Policies		
11 Items 🛛 💝		
Name	Disabled	Destination
AMX_RP		AMX_Alarm

7. Configure ATT-AudioText Telecom AG Alarm Management Server

The configuration of the ATT AMX server involves the SIP connection between the AMX Alarm server and Session Manager also the addition of the extension(s) to call on Communication Manager to issue the alarm notification.

7.1. Configuring the SIP connection to Session Manager

During the initial installation of AMX a folder called Alarm is created. Navigate to Alarm→dsipua_new open file called dsipua.cfg. Note the address below 10.10.40.80 is the IP address of the AMX server. The sip-port used is 5060 and the sip-transport is udp. All remaining fields were left as default.



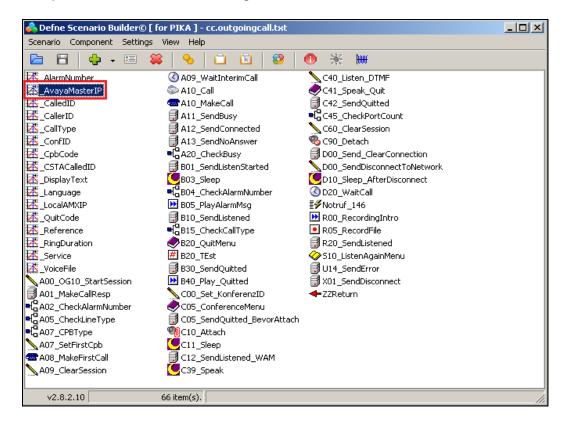
Alarm				
🔾 🗸 🖟 🗸 🗸	ATT (D:) 🔸 Alarm 👻			
Drganize 🔻 💽 Open Burn	New folder			
	Name -	Date modified	Туре	Size
👝 ATT (D:)		11/06/2011 12:00 AM	Application	7178
📕 Alarm	🚳 DtMcdn64.dll	09/05/2012 3:13 PM	Application extension	43 k
📕 AlarmBackup	₩ IODBuilderV3.exe	10/31/2012 12:00 AM	Application	2,1031
AlarmMonitor	New Text Document.txt	11/15/2013 9:57 AM	Text Document	01
🕌 BDE-Config	🚳 qtintf.dll	05/22/2001 1:00 AM	Application extension	4,046
Data	📊 🔜 Respus Monitor	04/08/2013 7:38 PM	Shortcut	1
	Respus.cfg	11/15/2013 9:47 AM	CFG File	1
Desktop ATT	Respus.exe	06/16/2011 1:00 AM	Application	1,713
🚡 dsipua	Respus	04/08/2013 7:05 PM	Shortcut	1
퉬 dsipua_new	Respus_20131021.cfg	04/08/2013 7:44 PM	CFG File	1
퉬 Dump	Respus_MCDN_Master.cfg	04/12/2013 10:48 AM	CFG File	2
IOD-Files	Respus_MCDN_Slave.cfg	04/10/2013 6:06 PM	CFG File	2
	Respus_NoMCDN.cfg	04/12/2013 11:01 AM	CEG File	2
Log	Respus_PRI.cfg	04/12/2013 10:48 AM	CEG File	- 2
Regedits Save		08/30/2009 1:00 AM	Application	586
Scenario		04/29/2013 9:01 PM	Application	1,632
Services	RespusPikaSvc 20131021.exe			
Test-Programme		02/03/2012 12:00 AM	Application	1,6381
📕 Update	Scenario.txt	11/20/2013 2:35 PM	Text Document	14
🌗 Wav_AMX	Scenario_PRI.txt	04/10/2013 5:24 PM	Text Document	14
鷆 Web	ne ScenarioBuilder.exe	11/23/2010 12:00 AM	Application	3,328
🌗 AlarmBackup	📩 ScenarioBuilder	04/08/2013 7:05 PM	Shortcut	1
🔰 ATT-Programme	ScenarioBuilderDika ovo Location: ScenarioBuilder (D:	12/23/2005 12:00 AM	Application	3,3281
BACKUP	scenarioBuilderPika	04/08/2013 7:38 PM	Shortcut	1

Open ScenarioBuilder which is also located in the Alarm folder.

Click on the open icon at the top left of window, this opens the following window where **cc_outgoingcall.txt** is chosen and opened.

💫 Defne Scenario Builde						_ 🗆 ×	1
Scenario Component Sel			irm.txt ill.txt I_AMX.txt	11/23 11/15 06/08 06/17 04/11	← € ↔ modified ↓ 3/2010 4:25 5/2010 5:14 7/2010 2:07 7/2010 2:07 1/2013 11:1 0/2013 2:38		
A02_LoginServiceMana A03_CheckLineType A030_InitWaitCall A04_SetDisconnectTon A04_SetScenario B01_WaitCall B05_TdmReset	Libraries Libraries Computer	cc.outgoingca cc.outgoingca MakeSipTest.t	IItxt II_AMX.txt	08/18 11/23	3/2010 12:1 3/2010 3:00)/2013 8:40	Text Document Text Document Text Document	
■G B10_TriggerServiceChe ■Ø B20_OutgoingCall ■Ø B20_TestOutgoingCall ■Ø B22_MakeSipTest ■Ø B25_CallMailSender	Network	∢ File name:	cc. outgoingcall.txt			Open	Þ
≣∲B30_IncomingCall ≣∮B40_CallAutoAttendani		Files of type:	Scenario text files (*.txt)		•	Cancel	

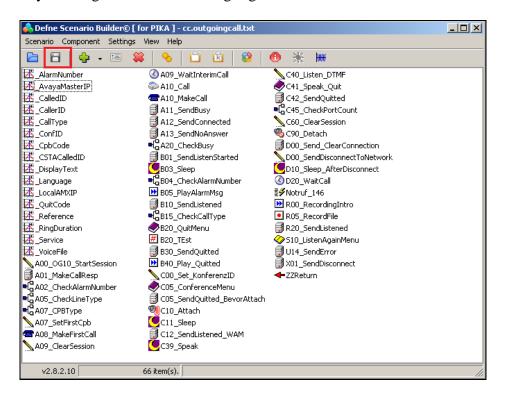
Select _AvayaMasterIP from the resulting window below.



Solution & Interoperability Test Lab Application Notes ©2016 Avaya Inc. All Rights Reserved. Enter the IP address of the Session Manager into the **Initial Value field**. Everything else can be left as default, click on **OK** to continue.

👶 Defne Scenario Builder© [f	for PIKA] - cc.outgoingcall.txt	
Scenario Component Settings	View Help	
🔁 🗄 🖕 - 🗉 🗯	l 💊 🗀 🖻 😢 🛑 🔆 🛲	
团_AlarmNumber 团_AvayaMasterIP 团_CalledID 团_CallerID		
【基_CallType 【基_ConfID 【基_CpbCode	Edit VariableAvayaMasterIP General	
CSTACalledID DisplayText Language	Name: AvayaMasterIP Network Toitial Value: 10.10.40.34	
团_LocalAMXIP 团_QuitCode 团_Reference 团_RingDuration	Initial ⊻alue: '10.10.40.34' Type C Integer C String	
_Service _VoiceFile A00_OG10_StartSession A01_MakeCallResp	Image: Reset On New Call OK OK	
G A02_CheckAlarmNumber G A05_CheckLineType G A07_CPBType ▲ A07_SetFirstCpb	Concerncemenu Cos_sendQuitted_BevorAttach Cos_SendQuitted_BevorAttach Cos_Cos_Cos_Cos_Cos_Cos Cos_Cos_Cos_Cos_Cos Cos_Cos_Cos_Cos Cos_Cos_Cos_Cos Cos_Cos_Cos_Cos Cos_Cos_Cos_Cos Cos_Cos_Cos_Cos Cos_Cos_Cos_Cos Cos_Cos_Cos Cos_Cos_Cos Cos_Cos_Cos Cos_Cos_Cos Cos_Cos_Cos Cos Cos Cos Cos Cos Cos Cos	
AU7_setFirstCpb A08_MakeFirstCall A09_ClearSession	G C12_SendListened_WAM C39_Speak	
v2.8.2.10	66 item(s).	1

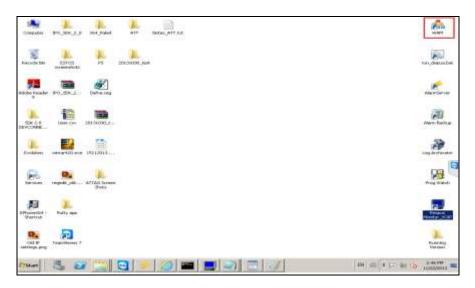
Save this file by clicking on the save icon highlighted



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7.2. Adding extensions to call

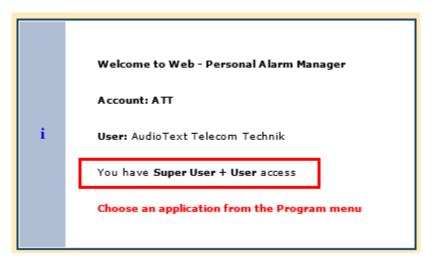
The section describes the steps necessary to create the extension numbers and groups that the Alarm server will call to in the event of an alarm. Open the **WAM** shortcut on the Alarm server desktop.



Enter the proper credentials for a "Super User" and click on Log in to continue.

Web Alarm Manager - WAM Login	A	your security – our pa	ssion
User Name I Password	Web Alarm Manage	- WAM Login	R
Password	Account	ATT	-
Log in			
			Log in

Solution & Interoperability Test Lab Application Notes ©2016 Avaya Inc. All Rights Reserved. The following screen shows that the user is logged in correctly as a Super User.



7.2.1. Add a new Person

A new extension is represented as a person in the setup. To add a new person, select **Program** \rightarrow **PAM** \rightarrow **Person** as shown below.

Cup Login Information - Windows	s Internet Explorer		
🔆 📀 🗢 🚘 http://localhost/j	pam/afterLogin.aspx		🔎 💌 🔄 🏹 🔜 Login WAM - Web Alarm Manager
Program Administration	Help		
A PAM	Person		🞽 ATT (1) 🗟 AudioText Telecom Te
4 🍓 Reports	🗱 Group		
C Voicerecorder	🗞 Alarm points		
👩 Alarm Scheduler	[Alarm event		
	🍅 System paramete	r 🕨	
			Welcome to Web - Personal Alarm Manager
			Account: ATT
		i	User: AudioText Telecom Technik
			You have Super User + User access
			Choose an application from the Program menu

In the resulting window click on the **New** icon highlighted below.

Update R	lecipient			
Current Reci	plents			Recipient 2013 in group
		2	Reset	Group
• * 3				2013
First Name	Lastname	Department	Active	2013*74
DAMASING STORES	2013		¥	22252013
	2014		. ¥ .	
в	2017		У.	
A	3015		Y	
c	3017		Y	
D	3200		Y	
200Z	Avaya 9608 H.323 deskphone		¥	
2000	Avaya 9620 H.323 deskphone		¥	
2003	Avaya 9621 H.323 deskphone		¥	
1001	Avaya 9630 SIP deskphone		Y	

Enter the person or extension details as shown and ensure that **INT L-15-1** is selected as the **Notification properties** and that the extension number is entered as the **Target ID** then click on the **Add** icon highlighted.

Edit recip	ient[2200 Avaya DECT H.323 handset - ATT]	Enhanced View
Person Personal da Activated Sumame First name E-Mail Department Language	ta Avaya DECT H.323 handset 2200 Default	
	s	ave Cancel

Ensure that the **Activated** box is ticked as shown and click on **Save** once the **Target ID** has been added correctly as shown below.

Person Ren	note activation			
Personal data Activated		Communication cha Notification properties	Target ID	
Sumame First name	Avaya DECT H.323 handset 2200	INT L-15-1 *74CFD-L-5-1	2200	* @
E-Mail Department				
Language	Default			

7.2.2. Add a new Group

A new group must be added that contains the person or people involved in this group. Select **Program** \rightarrow **PAM** \rightarrow **Group**.

6	Opdate Recipient - Windows Internet Explorer									
	9		http://l	localhost/	pam/p	orogramm/pam/pd/teilne	ehmer/tei	ilnehm: 🔎 🗹 🔛 📥 Login WA		
	Pro	gram A	dminis	tration	He	łp				
ſ	64	PAM			8	Person		Шатт (1) 🖇		
L	🁋 Reports				🐉 Group			ATT (1) .		
	C Voicerecorder				%	Alarm points				
	🐔 Alarm Scheduler					Alarm event				
				Updat	ø	System parameter	•			
				urrent R	ecipi	ients		Q Reset		

Click on the **New** icon highlighted below.

Program	n Administration	Help				
8 8	Ng 💽				🛍 ATT (1)	AudioText T
- 199	Update Groups					
_ Cu	rrent Groups			 - Group 1000	contains:(1)	
	•		Q Reset	First Name	Lastname	Department
-4) <mark>*</mark> 🕅 🖬			<u>1000</u>	Avaya 9641 SIP deskphone	
G	roup					
1	000					
1	000*74					
1	001					
1	001*74					
1	020					

Enter a **Name** for the new group and from the left window locate the new user added previously and select this by clicking on the right arrow highlighted. Then click **Save** (not shown).

Name	e of grou	P									
lame	2200		784175								
All re	* Defi	ult Con-Call Service C A	d hoc				Cen	un 77	00 conta	ma (1)	
32.17					Reset			ab si	oo conca	anai(17	
Г	First Name	Lastname	Department	Communication	Target ID			Г	First Name	Lastname	Depart
Г	1001	Avaya 9630 SIP deskphone		INT L-15-1	1001		1		2200	Avaya DECT H.323 handset	
	1001	Avaya 9630 SIP deskphone		*74CFD-L-5-1	*741001						
П	1001	Avaya 9630 SIP deskphone		INT L-15-1	22251001						
Г	1000	Avaya 9641 SIP deskphone		INT L-15-1	1000	-					
	1000	Avaya 9641 SIP deskphone		*74CFD-L-5-1	*741000	4					
Π	1000	Avaya 9641 SIP deskphone		INT L-15-1	22251000						
	2200	Avaya DECT H.323 handset		INT L-15-1	2200						
	1020	Avaya Flare (SIP)		*74CFD-L-5-1	*741020						
	1020	Avaya Flare (SIP)		INT L-15-1	1020						
	1020	Avaya Flare (SIP)		INT L-15-1	22251020						

7.2.3. Create an Alarm Event

In order to send an alarm an alarm event must first be created. Select **Program** \rightarrow **PAM** \rightarrow **Alarm event**.

🧧 Update Groups - Windows In	ternet Explorer	
🔆 🔄 🗢 🚘 http://localhost/	pam/programm/pam/pd/teilnehmer/gru	ippent 🔎 💌 😽 🗙
Program Administration	Help	
A PAM	2 Person	
🁌 🍓 Reports	😝 Group	
C Voicerecorder	% Alarm points	
🌠 Alarm Scheduler	Alarm event	
Update Groups	System parameter	
Current Groups		
		Q Reset
🗢 🗰 🕅 🖶		
Group		
1000		

In the resulting window click on the **New** icon highlighted below.

Program Administration Help			
8 8 · · · · · · · · · · · · · · · · · ·			<mark>Ш</mark> атт (1) 🕯
Alarm Event			
Alarm Event		General Option Time Schedules	Text - Voice
All Alarm Events (Filter)	٩	Name 145 - Recording	REA Alarm
145 - Recording REA Alarm	-	Alarm Number 145	
		Priority 1	
		Number of Lines 10	
(PRI) D-3230 - Alarm Test			

In the General tab enter the details of the new event such as the Name and the Alarm Number.

Alarm Event	
Alarm Event	General Option Time Schedules Text - Voice Escalation Groups Group Members
All Alarm Events (Filter)	Name 2200 - Alarm Test
2003*74 - Alarm Test	Alarm Number 2200
🛄 2003 - Alarm Test	Priority 1
🖃 🛄 2010*74 - Alarm Test	
	Number of Lines 1
🖃 🛄 2013*74 - Alarm Test to 2013	

Click on the **Groups** tab and select the group created above. Click on the down arrow highlighted to add this to the Alarm Event.

Alarm Event	General Option Time Schedules Text - Voice Escalation Groups Group Members	Enhanced Vie
	Available Groups	_
All Alarm Events (Filter)	2200	🔲 👢 🏦
a 🛄 2003*74 - Alarm Test	2200	
2003 - Alarm Test	2200-74	
2010"74 - Alarm Test	22222000	
2010 - Alarm Test	22251000	
2013*74 - Alarm Test to 2013	22251001	
2013 - Alarm Test to 2013	22251020 22253000	1

All other tabs can be left as default such as **Text-Voice** shown below which has a certain text associated with it created during the install. Click on **Save** once complete.

Alarm Event	General Option TimeSchesules Text-Voice Escatation Groups Group Members	
All Alarm Events (Filter)	P P Apply main alarm notification	
a 📷 2003*74 - Alarm Test	3 Tant 1 Test to 001534367002123436700312	
2003 - Alarm Test	Tust 2 Test 10 001334367892123436789312Test 10	
2010"74 - Alarm Test	Trat 1 Peger / CSTA / NSA / Interphone	
2010 - Alarm Test		
2013 - Alarm Test to 2013	Tait 4 E-Natl / Yrap / Fax	
2014"74 - Alarm Test to 2014		
2014 - Alerm Test to 2014		
2200*74 - Alarm Test		
- 112 2200 - Alarm Text		
ii 🛄 3006"74 - Alarm Test		
3006 - Alarm Test		
22222000 - Alarm Test Cancel Call For-		
- 10 2000 - Alarm Tast to 2000 - 22251000 - Alarm Tast		
1 22251000 - Alarm Lent		

SJW; Reviewed: SPOC 5/2/2016 Solution & Interoperability Test Lab Application Notes ©2016 Avaya Inc. All Rights Reserved. 24 of 28 ATTAG_SM70

8. Verification Steps

The following steps can be taken to ensure that connections between ATT AMX server and Session Manager and Communication Manager are up.

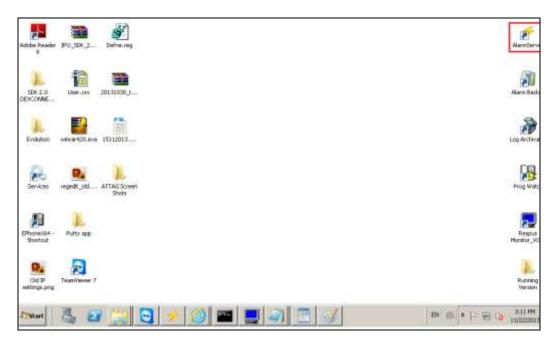
8.1. Show SIP entity is up on Session Manager

Log into System Manager as done previously in **Section 6.1**, select **Session Manager** (not shown). Click on **SIP Entity Monitoring** as highlighted below. Note that the SIP Entity, **AMX_Alarm**, shows **Link Status UP** and **Reason Code 200 OK**.

Session Manag	ger Entit	y Link Connect	ion S	tatı	IS				
This page displays detail Session Manager.	ed connection	status for all entity links fro	om a						
All Entity Links fo	r Session M	anager: SM71676							
				Stat	us Details fo	or the selecte	ed Session Man	ager:	
Summary View									
12 Items Refresh									Filter: Enable
SIP Entity N	ame	SIP Entity Resolved IP	Port		Proto.	Deny	Conn. Status	Reason Code	Link Status
O AMX Alarm		10.10.16.46	5060	1	UDP	FALSE	UP	200 OK	UP

8.2. Show alarm is sent on the AMX Alarm Server

Open the Alarm Server by clicking on the AlarmServer icon highlighted on the screen below.



Click on the **Test** tab and select the alarm event created in **Section 6.2.3**. Once selected click on the On button highlighted below and the extension associated with the event should ring allowing the alarm be heard correctly from that extension once answered.

Alarmserver Monito ile Configuration	r 1.0.0.10	
io configuration		
Alarms Test Alarm	Log Streaming Monitor Log	
2200 🕂	On Off Refresh	
Alarm Number	Description	
145	145 - Recording REA Alarm	
1000	1000 - Alarm Test	
1001	1001 - Alarm Test	
1020	1020 - Alarm Test	
2000	2000 - Alarm Test	
2002	2002 - Alarm Test	
2003	2003 - Alarm Test	
2010	2010 - Alarm Test	
2013	2013 - Alarm Test to 2013	
2014	2014 - Alarm Test to 2014	
2200	2200 - Alarm Test	
3006	3006 - Alarm Test	
3210	(PRI) B-3210 - Alarm Test	
3220	(PRI) C-3220 - Alarm Test	
3230	(PRI) D-3230 - Alarm Test	
3299	3299 - Alarm Test Hunting Group	
3333	(SIP) ALL - Alarm Test	
3700	(PRI) ALL -3700 - Alarm Test	
30101	(SIP) DECT 3010 Ignore CallForwarding	
100074	1000*74 - Alarm Test	
100174	1001*74 - Alarm Test	
102074	1020*74 - Alarm Test	

9. Conclusion

These Application Notes describe the configuration steps required for ATT-AudioText Telecom AG Alarm Management Server to successfully interoperate with Avaya Aura® Communication Manager R7.0 and Avaya Aura® Session Manager R7.0 by registering the Alarm with Avaya Aura® Session Manager as third-party SIP Trunk. Please refer to **Section 2.2** for test results and observations.

10. Additional References

This section references documentation relevant to these Application Notes. The Avaya product documentation is available at <u>http://support.avaya.com</u> where the following documents can be obtained.

- [1] Administering Avaya Aura® Communication Manager, Document ID 03-300509
- [2] Avaya Aura® Communication Manager Feature Description and Implementation, Document ID 555-245-205
- [3] Implementing Avaya Aura® Session Manager Document ID 03-603473
- [4] Administering Avaya Aura® Session Manager, Doc ID 03-603324

Please refer to Section 2.3 of these Application Notes for information on ATT support.

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