

Avaya Solution & Interoperability Test Lab

Application Notes for Virsae Service Management with Avaya Aura® Application Enablement Services - Issue 1.0

Abstract

These Application Notes describe the procedures for configuring Virsae Service Management R174 to interoperate with Avaya Aura® Application Enablement Services R10.1.

Virsae Service Management provides real-time monitoring and management solutions for IP telephony networks. Virsae Service Management provides visibility of Avaya and other vendor's IP Telephony solutions from a single console and enables a reduction in complexity when managing complex IP telephony environments.

Virsae Service Management monitored Application Enablement Services using SNMP and Linux shell access and displayed monitored data on a web-based application.

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 compliance tested configuration used to validate Virsae Service Management (herein after referred to as VSM) with Avaya Aura® Application Enablement Services (herein after referred to as AES). VSM is a cloud-based service management platform that brings visibility, service transparency and cost savings to Unified Communications environments over the short, medium, and long term.

VSM uses Linux shell access connections to monitor AES statistics such as CPU, Memory and Disk Usage, License information and AE Services links status detail and SNMP for alarms and, display monitored data on web-based application.

2. General Test Approach and Test Results

The general test approach was to verify VSM using SNMP and Linux shell access connections to monitor and display system status from AES.

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 these Application Notes, the interface between Avaya systems and VSM utilized enabled capabilities of encrypted SSH and non-encrypted SNMP as requested by Virsae.

This test was conducted in a lab environment simulating a basic customer enterprise network environment. The testing focused on the standards-based interface between the Avaya solution and the third-party solution. The results of testing are therefore considered to be applicable to either a premise-based deployment or to a hosted or cloud deployment where some elements of the third-party solution may reside beyond the boundaries of the enterprise network, or at a different physical location from the Avaya components. Readers should be aware that network behaviors (e.g., jitter, packet loss, delay, speed, etc.) can vary significantly from one location to another, and may affect the reliability or performance of the overall solution. Different network elements (e.g., session border controllers, soft switches, firewalls, NAT appliances, etc.) can also affect how the solution performs.

If a customer is considering implementation of this solution in a cloud environment, the customer should evaluate and discuss the network characteristics with their cloud service provider and network organizations, and evaluate if the solution is viable to be deployed in the cloud.

The network characteristics required to support this solution are outside the scope of these Application Notes. Readers should consult the appropriate Avaya and third-party documentation for the product network requirements. Avaya makes no guarantee that this solution will work in all potential deployment configurations.

2.1. Interoperability Compliance Testing

The interoperability compliance test included feature and serviceability testing.

The feature testing focused on verifying proper display of monitored AES data on VSM.

- Verify that the server statistics information for AES is populated on VSM dashboard such as CPU, Memory and Disk Usage and list of Software/Processes.
- Verify proper display of AES server status and link information included SNMP Availability, Raised Alerts, Link Status, TSAPI Client Connections and DMCC Sessions.
- Verify that the list of AES links is visible in VSMs: ASAI Link, DLG CTI Link, TSAPI CTI Link and TSAPI TLink, along with utilization details.
- Verify License, DMCC and TSAPI Status were displayed correctly.

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

2.2. Test Results

All test cases passed successfully.

2.3. Support

For technical support on Virsae Service Management, contact the Virsae Support Team at:

- Tel: +1 800 248 7080 (Americas)
 +44 0808 234 2729 (UK and Europe)
 +64 9 477 0696 (Asia Pacific)
- Email: support@virsae.com

3. Reference Configuration

Figure 1 illustrates the test configuration used to verify the VSM application with AES. In this compliance testing, Communication Manager with a G430 Media Gateway connected to AES using the CTI link. The system has H.323/SIP Deskphones and softphones configured for making and receiving calls. Avaya Aura® System Manager and Avaya Aura® Session Manager provided SIP support to the Avaya SIP endpoints. VSM was installed on a server running Microsoft Windows Server 2016. Architecturally the VSM Service relies on an appliance being placed on a corporate LAN and being configured to connect to a Unified Communication platform as well as the Microsoft Azure cloud via the internet. The VSM appliance contains Probe Service use to collect service management data. The VSM appliance acts as a collector and compresses, encrypts then forwards data from all sources to the Virsae cloud computing service. A PC/Laptop is used to access the Virsae portal to manage VSM services, add additional users and view reporting data on the equipment being managed.

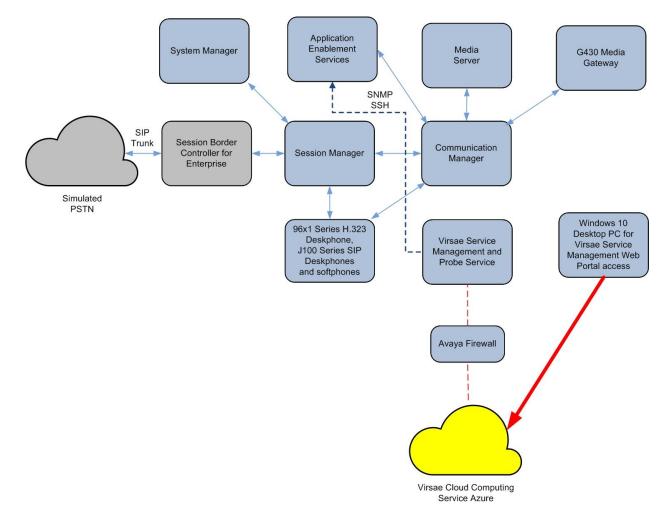


Figure 1: Test Configuration

4. Equipment and Software Validated

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

Equipment/Software	Release/Version
Avaya Application Enablement Services	10.1
running on virtual server	(10.1.0.0.2.11-0)
Avaya Aura® Communication Manager	10.1
running on virtual server	(10.1.0.0.0.974.27293)
Avaya G430 Media Gateway	42.4.0
Avaya Aura® Media Server running on	10.1.0.77
virtual server	
Avaya Aura® Session Manager running on	10.1
virtual server	(10.1.0.0.1010019)
	10.1
Avaya Aura® System Manager running on	Build No 10.1.0.0.537353
virtual server	Software Update Revision
	No: 10.1.0.0.0614119
Avaya 96x1 Series (H.323)	6.8523
Avaya J100 Series (SIP)	4.0.11.0
Avaya Workplace Client for Windows (SIP)	3.27
Avaya Agent for Desktop (H.323)	2.0.6.22.3003
Virsae Service Management and Probe	174.1.2.268
Service running on Windows 2016	

5. Configure Avaya Aura® Communication Manager

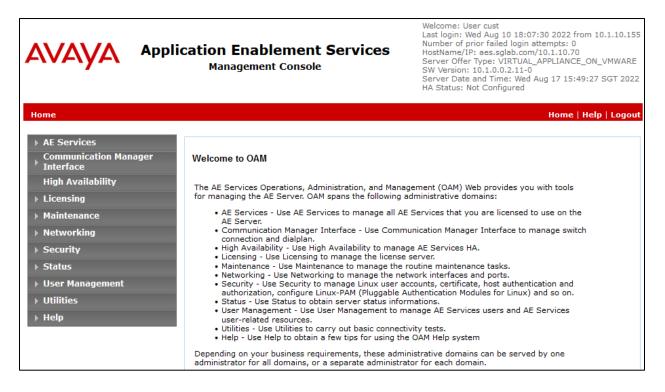
The configuration of Communication Manager and AES is assumed to be in place and will not be discussed in this document. For more information of how to configure Communication Manager and AES, please refer to **Section 10**.

6. Configure Avaya Aura® Application Enablement Services

The initial administration of AES and the connection to Communication Manager is assumed to be in place and will not be covered here. This section covers the configuration of SNMP that is required for integration with VSM.

AES is configured via the AES Management web interface. To access the web interface, enter **Error! Hyperlink reference not valid.** as the URL in an internet browser, where <ip-addr> is the IP address of AES. Log in using the appropriate login credential. The screen shown below is displayed.

Note: Not all screens in this section are shown after AES had been configured. Click **Save** button to save the screen parameters configured on AES if needed.



6.1. Configure SNMP Connection

To configure SNMP connection, navigate to **Utilities** \rightarrow SNMP \rightarrow SNMP Agent. The SNMP Agent page is displayed in the right pane. Configure the following parameters as shown below.

- Check the **Enable SNMP Version 2c** box.
- Community Name: Configured as avaya123 during compliance testing.
- Select the radio button for **Following IP** Addresses to allow for connection of VSM IP Address.

Retain default values for all other fields and click on the Apply Changes button.

Utilities SNMP SNMP Agent							
> AE Services							
Communication Manager Interface	SNMP Agent MIB II System Group Data:						
High Availability	MIB II System Group Data: Location: Unknown						
▶ Licensing							
▶ Maintenance	Contact: Unknown						
▶ Networking	SNMP Protocol Access:						
- ▶ Security	Enable SNMP Version 1						
▶ Status	Community Name:						
 User Management 	Enable SNMP Version 2c						
▼ Utilities	Community Name: avaya123						
	Enable SNMP Version 3						
Diagnostics	User						
Email Notification	User Name:						
▶ HMDC	Authentication Protocol: None V						
▼ SNMP	Authentication Password:						
 Product ID 	Privacy Protocol: None V						
SNMP Agent	Privacy Password:						
 SNMP Trap Receivers 	Authorized IP Addresses for SNMP Access*						
▶ Help	O No Access						
	O Any IP Addresses						
	Following IP Addresses						
	IP Address 1: 10.1.10.122						
	IP Address 2:						
	IP Address 3:						
	IP Address 4:						
	IP Address 5:						
	Apply Changes Cancel Changes						
	Note: There is no ip access restriction on Software Only for SNMP Version 3.						

Navigate to **Utilities** \rightarrow **SNMP** \rightarrow **SNMP Trap Receivers**, then click **Add**. Configure the following and leave the rest as default. Click **Apply Changes** below.

• Tick the **Enabled** box.

Edit SNMP Trap

- Device: Select NMS.
- **IP Address**: Enter the VSM server IP address.
- **Port**: Enter **162** for the default port of SNMP trap.
- SNMP Version: Select 2c.
- Security Name: Enter security name desired.

🗹 Enabled			
Device:	NMS V		
IP Address:	10.1.10.122		
Port:	162		
Notification Type:	Trap 🗸		
SNMP Version:	2c 🗸		
Security Name:	avaya123		
Authentication Protocol:	None 🗸		
Authentication Password:		Confirm Password:	
Privacy Protocol:	None 🗸		
Privacy Password:		Confirm Password:	
Apply Changes Cancel	Changes		

6.2. Configure Login Account

Create an Administrator account on AES since VSM requires access to AES with Administrative Rights. The new account should be like the default "**cust**" account. Log into AES console with root access and run the following command.

useradd <name></name>							
passwd <name></name>	;Enter	password t	wice				
chage -M 99999	<name></name>	;Lengthen	the	expiry	date	of	account

7. Configure Virsae Service Management

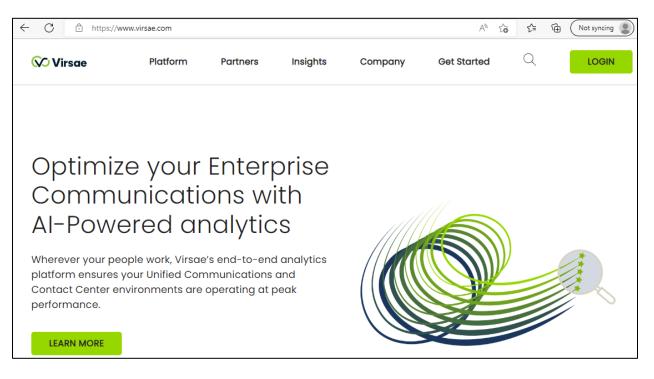
This section describes the configuration of VSM required to interoperate with AES.

This section provides a "snapshot" of VSM configuration used during compliance testing. Virsae creates the Business partner portal in the cloud environment and is beyond the scope of these Application Notes. The screen shots and partial configuration shown below, are provided only for reference. These represent only an example of the configuration GUI of VSM, available through the web Portal. Contact Virsae for details on how to configure VSM. The configuration operations described in this section can be summarized as follows:

- Login to the Web Portal
- Configuring Avaya Aura® Application Enablement Services
- Configure Dashboard

7.1. Login to the Web Portal

A portal for the business partner will be created by Virsae on the cloud and can be accessed by the business partner by typing the URL *www.virsae.com* in a web browser. During compliance testing the same URL was used. Click on the **LOGIN** shown on the top right below.



Enter the **Email** and **Password** and click on the **Log In** button.

VIRSAE	
Email	
Password	
Log In	
Forgot your password?	

The customer screen is shown. During compliance testing the customer created by Virsae can be seen near the top right corner. Note the version running is shown at the bottom i.e., **174.1.2.268**.



Home	Service Desk	Availability	Capacity	Configuration	Continuity Rele
	Call Detail CMS Call H Dashboard Equipment Files and F Manage U Manage C	s History Is t Locations Folders sers ustomer	•	Service Desk	ummun
		Call Details Call Details CMS Call F CMS CAL F CMS CAL F	Access Concentrator Call Details CAS Call History Dashboards Equipment Locations Files and Folders Manage Users Manage Customer Manage Tags - Preview	Access Concentrator Call Details Call Details CMS Call History Dashboards Equipment Locations Files and Folders Manage Users Manage Tags - Preview	Access Concentrator Call Details CAll Details CMS Call History Dashboards Equipment Locations Files and Folders Manage Users Manage Customer Manage Tags - Preview

Navigate to **Service Desk** \rightarrow **Equipment Locations** as shown below.

A **Location** called **DevConnect** is already configured as shown below.

$\mathbf{\overline{v}}$	0									Welcome Yong
Virs		Home	Service Desk	Availability	Capacity	Configuration	Continuity Relea	se Change	Security About	:
Home	/Equipment Locations [[ates shown are	Asia/Singapore time	zone]						
C									Columns	▼ Export CSV ▼
	Location A	Appliance	Applian	ce Type	MAC Address	Default Site	Last HeartBeat	Controller Version	Running VA	A List Running Time
•	DevConnect	N/A	Softwar	e Only(W	N/A	DevConnect	N/A	N/A	N/A	0 s
	Add Location									

	Home	Service Desk	Availability	Capacity	Configuration	Con
– <u>Home</u> /Equipment Loca	ations [Dates shown are	Asia/Singapore time	zone]			
Location 📥	Appliance	Applian	ce Type M	AC Address	Default Site	
 DevConnect 	N/A	Softwar	e Only(W N	/A	DevConnect	
Add Locatic	Delete Export Location Generate Onetin Manage Equipm VSM Everywhere	ne Code ent				

Right click on the **DevConnect** and select **Manage Equipment**.

Click **Add Equipment** (not shown) and the screen below pops up:

Add Equipme	ent					
Equipment	SNMP Query	Network Connectivity	Tags			
Vendor *			Pro	oduct *		
	•				•	
Equipment Name *			Us	ername		
IP Address/H	lost Name *		Pas	ssword		
Site 0						
			(Add another Add	Test Access	Cancel

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7.2. Configuring Avaya Aura® Application Enablement Services

From the **Add Equipment** window, add AES to the Location. Select **Avaya** from the **Vendor** list. Select **AES** from the **Product** list. Configure the following values.

- Equipment Name:
- Username:
- Password:
- IP Address/Host Name:
- Site:

A descriptive name. The username configured in **Section 6.2**.

The password configured in **Section 6.2**. IP address of AES.

A descriptive site name.

Below are the configured values of the AES.

Equipment SNMP	Query	Network Connectivity	ity Custom Scrip		Tags
Vendor *				Product *	
Avaya		Ψ		AES	
Equipment Name *				Username	
AES				virsae	
IP Address/Host Nam	ne *			Password	
10.1.10.70				•••••	
Site 0					
DevConnect					

In the **SNMP Query** tab, configure the following values.

- **SNMP Version:** Select **V2** from the drop-down menu.
- **SNMP Community String:** Enter the value configured in **Section 6.1**.

Click on the **Save** button to complete the configuration.

Equipment	SNMP Query	Network Connectivity	Custom Scripts	Tags
Version			SNMP Commu	nity String *
V2		•	avaya123	

The screen below shows the added AES equipment.

<u>— Но</u>	me/ <u>Avaya</u>	DevConnect/Equipment Locat	tions - DevConnect/Manage Equipment	Dates shown are Asia/Singapore time	e zone]						<u> </u>
	New Equipment Detected								-	Ľ.	
	Managed Equipment							*			
	C						Columns	•	Export CSV	•	
	Vendor A Proc		Product	Name	IP Address	Tag Key		Last Mo	dified		
	· · · ·		•								
		Avaya Application Enablement Server		AES	10.1.10.70	.1.10.70			02-Aug-2022 10:28 AM		
		Avaya	Breeze	Breeze	10.1.10.19			02-Aug-2	2022 10:29 AM		
	•	Avaya	Communication Manager	DevConnect ACM 10	10.1.10.230			02-Aug-2	2022 10:09 AM		

7.3. Configure Dashboard

This section shows the steps to configure AES on the dashboard.

From the home screen, navigate to **Service Desk** \rightarrow **Dashboards** as shown below.

Virsae	Home	Service Desk	Availability	Capa	city
— <u>Home</u> /Dashboards [Dates shown are Asia/Sir		Access Concen Call Details	trator 🕨 🕨		
		CMS Call Histo	ry		
3		Dashboards			
		Equipment Loc	ations		
Name 📥		Files and Folde	ers		
	-	Reports		-	
		Manage Custo	-		
My Dashboard		Manage Tags -			
1 - 1 of 1 records		Reports			
Add Dashboard		Reports - Prev More	iew		

From the Available Dashboards window, click on the Add Dashboard button.

Virsae	Home	Service Desk	Availability	Capacity	Configuration	Continuity I
<u>Home</u> /Dashboards [Date:	shown are Asia/S	ingapore time zone]-				
2						
Name 👚		S	haring	c	Wner	
				•		٣
1 - 1 of 1 records						
Add Dashbo	and a					

Solution & Interoperability Test Lab Application Notes ©2022 Avaya Inc. All Rights Reserved. In the Add Dashboard window, type a descriptive name for Name field as shown below. Retain default values for all other fields. Click on Start dashboard automatically on log in box and then click on Ok to submit.

My Dashboard Sharing			
Private	~		
Owner			
Yong Low			
Description			
		//	
 Start dashboa 			

In the dashboard window bottom shown below, click on "+" sign at the bottom.



In the **Add Dashlet** window that pops up, select the **System Health Summary** from the available dashlet by hovering the "+" image over it and click **Done**.

Add Dashlet									
Alarms									
Alarms Overview	Alarms Summary								
Network									
	P Second Regist March 100 P Second Regist March 100 Second P Gapter P Second Regist March 100 Second P Gapter I Second Regist March 100 Second P Gapter Second P Gapter I Second Regist March 100 Second P Gapter Second P Gapter I Second Regist March 100 Second P Gapter Second P Gapter I Second Regist March 100 Second P Gapter Second P Gapter I Second Regapter	Stand Converting were (if the software between were) if the software between the two if if the software between the two if if the software between the two if if the software between the two if	Named Consider's Annuary mile mile All or Annuary mile	90 Sectors Normal American Statistics of American The particular Statistics of American 44 45 46 46 46 46 46 46 46 46 46 46					
IP Network Region Bandwidth	IP Network Region Endpoints	Network Connectivity	Network Connectivity Summary	SIP Bandwidth	SIP Response Summary				
System Health									
	Millionizati lamosi 100 Bartini 1 1 101 Bartini 1 1 1 101 Bartini 1 1 1 1 101 Bartini 1 <		Hanner Einensen Tim Sign Sign Sign Tim Sign Sign Hereit Steel 4435 sevelage Edit Sevelage Beer Konse Marken Einense Sevelage Sev	Active Control Matteriation Technical Technical Section of the Section of the Section Section of the Section of the Section National Section of the Section	Instanting of Scher Extern Advances Instanting of Scher Scher Advances Instantion (Scher Scher (Scher Scher (Sche)(Scher)(Scher)(Scher (Scher((Scher (Scher (Scher (Scher (Sche)	Mone Moneth for 0 Name 0 Second 0 Name 0 <td>11 Vic</td> <td>Street Johns Jap Johns Scheet (Scheet) Schee (Scheet)</td> <td></td>	11 Vic	Street Johns Jap Johns Scheet (Scheet) Schee (Scheet)	
System Health Summary	ACM System Health Summary	AudioCodes Session Border Controller	Avaya Application Enablement Services (AES)	Avaya Call Management System (CMS)	Avaya Communication Manager (ACM)	Avaya Contact Recorder (ACR)	Avaya Experience Portal (AEP)	Avaya Session Border Controller (ASBC)	
pedae 19240 anticipi ap petetae	- 2 2 2 - 3 2 2		Item Red Hot C# Assesser Startbarray En Data damang Sata barray En P Sata barray Sata barray En Data damang Sata barray En P Sata barray Sata barray En Data barray Sata barray En P Sata barray Sata barray En Data barray Sata barray En P Sata barray Sata barray En Data barray Sata barray En P Sata barray Sata barray En			19 (Han- tone - Source) (Source) State - Source - Source) State - Source - Source State - Source - Sou	State State State State State State State State State State State State		-
								Done	3

From the **System Health Summary** window, select the **setup cog** on the top right corner of the box.



Select the correct **Location** i.e., **DevConnect** and the appropriate **Equipment** i.e., **AES** for Application Enablement Services. Click **Done** (not shown) to complete.

Settings	
Dashboard All Dashlets ACM System Health Summary DevConnect Alarms Summary Avaya DevConnect Avaya Application Enablement Services (AES) DevConnect AES Avaya Communication Manager (ACM) DevConnect DevConnect ACM 10 Avaya Session Manager (SM) DevConnect SM1 Avaya Session Manager (SM) DevConnect SM1 Calls In Progress DevConnect DevConnect Linux Server DevConnect Breeze Linux Server DevConnect Breeze Linux Server DevConnect SMGR System Health Summary	Customer Avaya DevConnect Location DevConnect Customer DevConnect ACM 10 AES Breeze AAMS SM1 SM2 SMGR Appliance_372ec645-97f9-49b9-aa5f-9c67988a2596

Repeat the same for the **AES dashlet** and in addition, select the desired **Layout**.



Settings		
Dashboard All Dashlets ACM System Health Summary DevConnect Alarms Summary Avaya DevConnect	Customer Avaya DevConnect Location DevConnect Equipment AES	~ ~
Avaya Application Enablement Services (AES) DevConnect AES Avaya Communication Manager (ACM) DevConnect DevConnect ACM 10 Avaya Session Manager (SM) DevConnect SM1 Avaya Session Manager (SM) DevConnect SM1 Calls In Progress DevConnect DevConnect Linux Server DevConnect AAMS Linux Server DevConnect Breeze Linux Server DevConnect Breeze	Layout Show Occupancy Graph Show Network Connectivity Graph Show Service Status Show Licences Show ACM Connections Show Custom Scripts	

The dashboard with the configured equipment is shown below. The above steps can be repeated to configure other equipment or/and dashboard parameters.

Α		Syst	em Health Su DevConnect	mmary				₩∿0¢ 0
Total Serv Total availability last 30 di Longest outa Average Response Ti	ys 100% ge < 5 mins							
+ Server	Server Type Choose 💌	Services	CPU 0% - 100%	Memory 0% - 100%	Disk 0% - 100%	Max Ping ?	Avg Ping ?	Availability?
AES	AES	† 5 1		37.7%	11.6%			100%

A		ablement : nect AES	Services (A
	ES 5 days		
Processor 5 ^s			35 ^s
Filesystem	Free	% Used	Mounted on
/dev/mapper/r	7GB	31%	1
/dev/sda2	810MB	21%	/boot
/dev/mapper/r	8GB	16%	/var
/dev/mapper/r	445MB	13%	/var/log/audit
/dev/mapper/r	887MB	13%	/var/mvap/dat
Max Ping		wg Ping < 1 ms	Loss 0 %
< 1 ms Service Status		< I ms	
		< I ms	1 off
Service Status		< 1 ms	1 off
Service Status		TSAF	
Service Status 5 Up API DMCC		TSAF	9

8. Verification Steps

This section provides the tests that can be performed to verify proper configuration of AES and VSM. The following steps are done by accessing the VSM web portal for the Business partner.

After login to the web portal, navigate to **Service Desk** \rightarrow **Dashboard** (not shown) and the screen is shown as below. Right click "My Dashboard" and select "Open Dashboard".

Virsae	ne Service Desk Availability Ca	apacity Configuration Continuity
Home/Dashboards [Dates shown are a	a/Singapore time zone]	
С		
Name 📥	Sharing	Owner
	· · · · · ·	
My Dashboard	Private	Yong Low
1 - 1 of 1 records	Open Dashboard	
	Edit Dashboard	
Add Dashboard	Сору	
	Delete Dashboard	

Whatever is configured during setup will be shown here. However, if the dashboard is configured to open automatically on startup in **Section 7.3**, once logged in, all the dashboards last configured at the end of **Section 7.3** will be populated in a new tab on the browser.

The screens below show the System Health of a configured AES for various parameters by drilling down from the ACM Connections, Service and API status (not shown).

<u>AES - DevConnect</u> / ACM Connection Status				
	Lab AES			
Server 2				
Link		Tx ²		Rx ²
01		0.35		0.34
Total		0.35		0.34
	Link		Status	
CTI ?	Link 3		Established	
CII	Link 4		Established	

AES - Avaya DevConnect / T	SAPI			2
	DevCo	nnect AE	S	
Switch Links				
Link	Status		Uptime	
G450	Talking		Wed Aug 17	7 15:56:25
Duplex	Talking		Wed Aug 17	7 15:56:25
7000				
TSDI Buffers				
Buffer		Allocated	%	Size
AVAYA#G450#CS1	ΓΑ[-S]#	0 b	0%	5 Mb
NAP		-1 b	100%	-1 b
Licenses				
Name		Acquired	%	Total
VALUE_AES_TSA	PI_USE	0	0%	2500
VALUE_AES_AEC	SMAL	0	0%	16
VALUE_AES_AEC	MEDI	0	0%	16
VALUE_AES_AEC	LARG	0	0%	16
VALUE_AES_AEC	UNIFI	0	0%	2500

AES - Avaya DevConnect / AES Service Status - up				
5 of 6 Service(s) up				
ASAI ONLINE	DMCC ONLINE			
CVLAN ONLINE	TSAPI ONLINE			
TRANSPORT ONLINE				

AES - Avaya DevConnect / DMCC A	PI		х	
D	evConnect AES			
Equipment				
Used Monitors	Active Devic	Active Devices Active		
0 of 80000		0	0	
Licenses				
Name	Acquired	%	Total	
DmccLic	0	0%	2500	
-				

To view alarms using historical reporting, navigate to Availability \rightarrow Manage Alarms (not shown). A list of all unresolved alarms for all equipment is shown. Screen below shows the alarm for AES equipment.

\odot							
/irsae	Home Service Desk Availability	Capacity Configuration	Continuity Release Change	Security	About		
Unresolved Alarms for Avaya Dev	Connect [Dates shown are 'Asia/Singapore' tim	e zone]					
Alarm List Filter							
Drag a column and drop it	here to group by that column						
Alarm	Description	Activate Date 🔹	Administered Id	Repeats	Equipment	Vendor	Severity
avAesGracePeriodFailure	License Grace Period Active. Proba	2022-08-17 15:56:22	DMCC	1	AES	Avaya	2
avAesServiceColdStart	AES Service start request received.	2022-08-17 15:56:12	LCM	1	AES	Avaya	2
avAesServiceColdStart	AES Service start request received.	2022-08-17 15:56:11	CVLAN	1	AES	Avaya	2
avAesServiceColdStart	AES Service start request received.	2022-08-17 15:55:38	TSAPI	1	AES	Avaya	2
avAesServiceColdStart	AES Service start request received.	2022-08-17 15:55:34	TRANSPORT	1	AES	Avaya	2
avAesServiceColdStart	AES Service start request received.	2022-08-17 15:55:34	ASAI	1	AES	Avaya	2

9. Conclusion

These Application Notes describe the procedures for configuring the Virsae Service Management R174 to interoperate with Avaya Aura® Application Enablement Services 10.1. During compliance testing, all test cases were completed successfully.

10. Additional References

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

Product documentation for Avaya products may be found at http://support.avaya.com.

- 1. *Deploying Avaya Aura*® *Communication Manager in Virtualized Environment*, Release 10.1, Issue 1, Feb 2022.
- 2. Avaya Aura® Communication Manager Feature Description and Implementation, Release 10.1, Issue 1, Feb 2022.
- 3. Deploying Avaya Aura® Application Enablement Services in Virtualized Environment, Release 10.1, Issue 1, Dec 2021.
- 4. Administering Avaya Aura® Application Enablement Services, Release 10.1, Issue 2, Jan 2022.

Product documentation for Virsae products may be found at https://documentation.virsae.com.

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