

Release Note for AT-VST-VRT Vista Manager Virtual



» I.2.I

Allied Ware Plus operating system



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VST-VRT Software Version 1.2.1

Product family supported by this version: AT-VST-VRT Vista Manager Virtual

Introduction

The virtual machine version of Vista Manager is called Vista Manager Virtual (VST-VRT). VST-VRT includes the tools to simplify and centralize management and security of your network. It provides an integrated graphical view for monitoring and management of wired, wireless and third-party devices. The VST-VRT software is an .iso file that you can use to boot a virtual machine. The VST-VRT GUI allows you to manage the virtual machine and to set up and access applications to run on it.

This release note describes Vista Manager Virtual running VST-VRT software version 1.2.1 and the new software features in this version.

You can obtain the VST-VRT software from the Software Download area of the Allied Telesis website. Log in using your assigned email address and password.

The VST-VRT .iso is located in the Network Management Software product category. The file is named VST_VRT-1.2.1.iso, and is located under the Vista Manager 3.6.0 section.

This version of VST-VRT supports the following virtualization environments:

- Oracle VM VirtualBox version 5.2
- Oracle VM VirtualBox version 6.1

SUPPORT LIMITS	WITHOUT SNMP PLUGIN	WITH SNMP PLUGIN
AMF nodes	3000	1500
AWC wireless APs	600	600
SNMP nodes	-	1000

SYSTEM REQUIREMENTS	
Host OS	The following Linux operating systems are supported as the host for VirtualBox Version 5.2 and Version 6.1: Ubuntu Debian CentOS
CPU	Intel Core i5, 4 core processor, 2.5GHz or higher
Memory (RAM)	32GB
Storage Capacity	630GB
IOPS (Input/Output Per Second)	350,000 (Equivalent to SSD (Solid State Drive))
Network Interface	GbE x 1 (or 2 GbE NICs when using Ethernet bonding)

Features in VST-VRT software version 1.2.1

VST-VRT software version 1.2.1 supports:

 new versions of the VST-VRT software and the applications as listed in the following table:

Software	FILENAME	VERSION
VST-APL software	ATVSTAPL-1.2.1.iso	1.2.1
Vista Manager	vista-x86_64-3.6.0.app	3.6.0
AMF Cloud	AMF-x86_64-5.5.1-0.1.app	5.5.1
Wireless Controller (AWC)	awc-x86_64-3.6.0.app	3.6.0
SNMP Trap Receiver	snmp-x86_64-2.5.0.app	2.5.0
SNMP-Full	fullsnmp-x86_64-2.6.0.app	2.6.1

Upgrading software

This section describes how to:

- "Upgrading the operating system and GUI" on page 5
- "Upgrading application software" on page 11

Upgrading the operating system and GUI

To upgrade the VST-VRT operating system, follow these steps.

- 1. Get the latest version of the VST-VRT software from the Software Download Centre. This will have a filename like VST_VRT-x.x.x.iso, where x.x.x is the version. Download it to a directory that the virtual machine can reach, such as the PC your virtual machine is running on.
- 2. If you want to retain current unsaved configuration on the appliance, click the **Save** button at the top right of the VST-VRT GUI page. This stores the current state of the applications. The upgrade process will reboot the appliance.



3. On the PC your virtual machine is running on, open Oracle VM VirtualBox Manager.

4. Shut down the VM. Right click on the VM, then select Close, and Power Off.

🛞 🖨 💷 Oracle VM VirtualBox Manager					
Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system	Manager General Name: Operating System: System Base Memory: 582 Processors: 4	AT-VST- VRT-1.1.1 Linux 2.6 / 3.x /4.x (64-bit) 21 MB Ctrl+S Ctrl+O Ctrl+P Ctrl+P Ctrl+P Ctrl+T SMB Ctrl+J Ctrl+L MB	Preview Preview Voor and a state Stat	Ctrl+V Ctrl+H Ctrl+F	
■ S <u>h</u> ow in File Ma べ Cr <u>e</u> ate Shortcu : \$ Sort	anager It on Desktop	-VST-VRT 0.00 GB)	r-1.1.1-disk001.vmdk (I	Normal,	
	Host Driver: Pulse Controller: ICH A Potwork Adapter 1: Intel Pl	Audio C97 RO/1000 MT Desk	ktop (Bridged Adapter,	enp0s25)	





5. Wait until the VM has shut down. It will have the status Powered Off.

6. Right click on the VM, then select Settings.

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AT-VST-VRT-1.1.1	📃 General		Preview
24 Wered Off	Name:	AT-VST-	
	Operating System:	VRT-1.1.1 Linux 2.6 / 3.x / 4.x (64-bit)	
	System		AI-VSI-VRI-1.1.1
	Base Memory: 582	1 MB	
😨 Settings	N	Ctrl+S	
Cl <u>o</u> ne		Ctrl+O	
Remove		Ctrl+R	=
📑 Gro <u>u</u> p		Ctrl+U	
→ Start		► tion	
II <u>P</u> ause		Ctrl+P	
O <u>R</u> eset		Ctrl+T 1B	
▼ <u>C</u> lose		bled	
🖶 D <u>i</u> scard Save		Ctrl+J	
Show <u>L</u> og		Ctrl+L	
🖸 Refresh		ical Dri	VOLVET VET 1 1 1 100 (969 02 MP)
🖩 S <u>h</u> ow in File I	Manager	icat Dri	Ve] V31_VK1-1.1.1.150 (808.03 MB)
Cr <u>e</u> ate Short	cut on Desktop	ST-VRT	-1.1.1-disk001.vmdk (Normal,
=1 Sort		00 GB)	
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	Host Driver: Pulse Controller: ICH A	Audio C97	
	P Network		
	Adapter 1: Intel PF	RO/1000 MT Desk	top (Bridged Adapter, enp0s25)
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7. Click on the Storage tab of the Settings dialog.

🛛 🖨 🕒 🛛 Oracle Vi	M VirtualBox	Manager				
AT-VST-VRT-	AT-VST-VRT-1.1.1 Powered Off Ar-VST- Name: AT-VST- VDT 1 1 1		AT-VST-		Preview	16
😣 🗉 AT-VST-VRT-1.	1.1 - Settings					
📃 General	Storage					
🛒 System	Storage Tree	-		Attribute	s	
Display	😂 Controll	er: IDE	2	<u>N</u> ame:	IDE	
😥 Storage	S VST_V	VRT-1.1.1.iso		Type:	PIIX4	-
<ul> <li>Audio</li> <li>Network</li> <li>Serial Ports</li> <li>USB</li> <li>Shared Folders</li> <li>User Interface</li> </ul>	AT-VS	er: SATA IT-VRT-1.1.1-disk	001.vmd		🗹 Use Host I/O Cache	
		<b>1</b>	3 🕹 🔶			
					<u>Cancel</u>	
		Network Adapter 1: In	ntel PRO/1000	0 MT Deskt	op (Bridged Adapter, enp0s25)	

8. Select the VST_VRT-x.x.iso. Make sure the Live CD/DVD checkbox is selected. Click on the Drive drop-down, and select Choose Virtual Optical Disk File.

🛛 🖨 🕒 🛛 Oracle V					
AT-VST-VRT	-1.1.1 General	📃 P	review		
Powered	Name:	AT-VST-			
😣 🗉 AT-VST-VRT-1	.1.1 - Settings				
📃 General	Storage				
🗾 System	Storage Tree	Attributes			
Display	😂 Controller: IDE	Optical <u>D</u> rive	: IDE Secondary Master	: 0.	
😥 Storage	VST_VRT-1.1.1.iso		✓ Live CD/DVD	🗟 Choose Vi <mark>k</mark> ual Optical Disk File	( ) ( )
<ul> <li>Audio</li> <li>Network</li> <li>Serial Ports</li> <li>USB</li> <li>Shared Folders</li> <li>User Interface</li> </ul>	Controller: SATA	11.vmd Information	:: Image :: 868.03 MB :: /home/camerona/Down :: AT-VST-VRT-1.1.1	Host Drive ASUS DVD-EB18A3T VST_VRT-1.1.1.iso	(sr0)
			Cancel	ок	
_					
	Adapter 1: Inte	el PRO/1000 MT Desktop (Br	idged Adapter, enp0s25)		



💿 😑 🙃 Oracle VM VirtualBox I	Manager		
AT-VST-VRT-1.1.1	📃 General	Preview	ĥ
Powered Off	Name: AT-VST- VRT-1.1.1		
O AT SCHUDT 1 11 Posture	irtual optical disk file		
Look in:	tamerona/Downloads	; < > 🔺 🖬 🗉	
Syst Computer Name	e	Size Type Date M	
Dist 📄 📼 🖘 🗋 VST_	VRT-1.2.1.iso	1.01 GB iso File 27/05/.	ter ‡ ⊙ <del>,</del>
😥 Stoi		:	
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P Net			1
🚫 Seri			ownloads
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	10		
File name:		Open	
Files of type: All virtual of	optical disk files (*.dmg *.iso *.cdr)	‡ <u>C</u> ancel	
		Cancel	<u>O</u> K
	Network		$\rightarrow$
	Adapter 1: Intel PRO/1000 MT (	Desktop (Bridged Adapter, epp	)\$25)

9. Browse to the location of the VST-VRT-1.2.1.iso. Select the file and click Open.

10. In the Storage Tree view, you should now see that the VST_VRT-1.2.1.iso is mounted.

🛛 🖨 🗐 🛛 Oracle VI					
AT-VST-VRT-	1.1.1 General Name: AT-VST VRT-1	T-			
<ul> <li>General</li> <li>System</li> <li>Display</li> <li>Storage</li> <li>Audio</li> <li>Network</li> <li>Serial Ports</li> <li>USB</li> <li>Shared Folders</li> <li>User Interface</li> </ul>	Storage         Storage Tree         Image: Controller: IDE         Image: Overlap of the state of the	Attributes Optical Drive: IDE Secondary Master CO/DVD Information Type: Image Size: 1.01 GB Location: /home/camerona/Downloads Attached to:			
	🖪 🗖 🕹 🔶				
Cancel OK					
	P Network Adapter 1: Intel PRO/1000	0 MT Desktop (Bridged Adapter, enp0s25)			



11. OPTIONAL: Upgrading VST-VRT will not change the name of your VM. If you want to change the name to reflect the new software version, you can select the General tab in the Settings, and change the name manually.

🖸 🖨 🗐 🛛 Oracle VM	1 VirtualBox I	Manager			
AT-VST-VRT-1 Powered O AT-VST-VRT-1.1	.1.1 ff I.1 - Settings	General Name:	AT-VST- VRT-1.1.1	Previev	
General         System         Display         Storage         Audio         Network         Serial Ports         USB         Shared Folders         User Interface	General Basi <u>c</u> Adva Name: A Type: Li Version: Li	nced D <u>e</u> scripti T-VST-VRT-1.1.1 inux inux 2.6 / 3.x / 4.x	on Disk Enc <u>r</u> yption	n	÷) (26
					<u>Cancel</u> <u>O</u> K
		Network Adapter 1: Ini	tel PRO/1000 MT De	esktop (Bridged /	Adapter, enp0s25)

12. Restart the VM. Right click on the VM, then select Start and Normal Start.

😣 🗖 🗊 🛛 Oracle VM Virtual Box I	Manager		
AT-VST-VRT-1.1.1	📃 General		Preview
2.6 OPwered Off	Name: AT-	-VST-	
	Operating System: Lin	1-1.1.1 1UX 2.6 / 3.X	
	/4	.x (64-bit)	AT-VST-VRT-1.1.1
	System		
	Base Memory: 5821 M	IB	
Settings	Ctrl+S	Optical,	
Remove	Ctrl+D Ctrl+P	MD-V,	-
Group	Ctrl+U	Paging,	-
Start		Normal Sta	irt N
<b>II</b> <u>P</u> ause	Ctrl+P	→ <u>H</u> eadless S	tart
O <u>R</u> eset	Ctrl+T	📌 <u>D</u> etachable	e Start
▼ <u>C</u> lose	*	r: Disabled Disabled	
Discard Saved State	Ctrl+J		
G Show Log	Ctrl+L		
Refresh		: [Optical Driv	ve] VST_VRT-1.2.1.iso (1.01 GB)
Show in File Manage Create Shortcut on	er Desktop	AT-VST-VRT- 630.00 GB)	1.1.1-disk001.vmdk (Normal,
Sort			
	Host Driver: PulseAud Controller: ICH AC97	lio	
	P Network		
	Adapter 1: Intel PRO/	1000 MT Deskt	op (Bridged Adapter, enp0s25)
	7		<0



13. Once the VM is running, the upgrade of the VST-VRT software is complete.

14. To verify the currently running software version, navigate back to the **System** > **About** page and look at the details there.

#### Upgrading application software

After upgrading the VST-VRT software, you need to upgrade the applications.

To upgrade an application, follow these steps.

1. Navigate to the application page in the VST-VRT GUI. Stop the application by clicking the **Stop** button to its right in the **Deployed Applications** panel. Wait till it shows that it is stopped. This could take a few minutes.

VISU	a Manage	er			
sta Mana e dashbo	ager is a graphical netwo	ork monitoring and management details, status, event information	tool for Allied Telesis Management Fr and a topology map, where critical is:	amework networks. Enjoy sues are highlighted for tir	complete network monitoring from mely resolution. Intuitive access to
or more in	atures like service and p	performance monitoring, control local Allied Telesis sales represe	of wired and wireless devices, and au ntative. Find your local Allied Telesis (	office at www.alliedtelesis	com/contact
			,		
nage s	erver poll interva	Disabled -			
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nage s Deploye	erver poll interva	i: Disabled 🗸			
nage s Deploye	d Application CPU Load (%)	L: Disabled 👻	Storage (MB)	State	
mage s Deploye	d Application CPU Load (%)	Le Disabled V Memory (MB)	Storage (MB)	State	

2. Hover over the instance information icon 
to the left of the application in the Deployed Application panel. You will see the **Instance Information** pop-up panel.

Deployed Application					
CPU Load (%)	Memory (MB)	Storage (MB)	State		
0		204800MB	Stopped	Testroy	► Start
Instance Informa	ation: AT-Vista-app	Configure			
Name	AT-Vista-app				
Compute ID	A10358F202900001				
Image	vista 3.2.2	Upgrade			
Network: eth0	Network Type: Virtual VLAN ID: 1 MAC: 02:88:22:46:B1:2A DHCP: true				

#### 3. Click Upgrade.

4. In the **Application Configuration** panel, select the application version to upgrade to and click **Apply**. This sets the new version for the application.

Application Configuration		×
This provides the ability to upgrade the Application Instance released.	e when a new version is	
Image Version	3.6.0	^
vista-3.5.0		
vista-3.6.0		
	Cancel	pply

5. Click the **Start** button in the right of the Deployed Application panel to restart the application. This may take a few minutes. Appliance and application configuration remain unchanged.

Deployed Application				
CPU Load (%)	Memory (MB)	Storage (MB)	State	
0		204800MB	Stopped	Testroy Start



6. Once the application has started, you can **Open** the application and login. Note, not all applications include the Open button or a provide a login.



7. Login to the application.

	Allied Telesis	Vista Manager™	EX	
Vista Manager	EX Login			
L Username:				
Password:				
		Remember	me	Login

This completes the upgrade process.