

Release Note for AT-VST-APL Vista Manager Network Appliance Software Version 3.4.x



» VST-APL v3.4.1

AlliedWare Plus
OPERATING SYSTEM

Acknowledgments

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VST-APL Software Version 3.4.1

Product family supported by this version:
AT-VST-APL Vista Manager Network Appliance Series

Introduction

This release note describes the AT-VST-APL Vista Manager Network Appliance running VST-APL software version 3.4.1 and the new software features in this version.

You can obtain the VST-APL software from the [Software Download area of the Allied Telesis website](#). Log in using your assigned email address and password.

The following table lists model names that support this version:

Table 1: VST-APL Models

Models	Family
AT-VST-APL-06 AT-VST-APL-10	VST-APL

For more information on VST-APL models see the [Vista Manager Network Appliance datasheet](#).

Application support in VST-APL 3.4.1

VST-APL software version 3.4.1 provides the following software, applications, and files:

SOFTWARE	VERSION	FILENAME
VST-APL Web GUI	1.5.1	ATVSTAPL-1.5.1.iso
VST-APL 3.4.1 application bundle	3.4.1	VST-APL-3.4.1.bundle
Vista Manager	3.8.0	vista-x86_64-3.8.0.app
Wireless Controller (AWC)	3.8.0	awc-x86_64-3.8.0.app
SNMP Trap Receiver	2.5.0	snmp-x86_64-2.5.0.app
SNMP-Full	2.8.0	fullsnmp-x86_64-2.8.0.app
AMF Cloud	5.5.1-2.1	amf-x86_64-5.5.1-2.1.app
AMF Security	2.3.0	sesc-x86_64-2.3.0.app

What's New in VST-APL 3.4.1

VST-APL back-up and restore

This version supports backup and restore for the VST-APL software appliance. You can now create a back-up image file of a VST-APL and use the backup file to return either this device or another identical device to the same state at a later date. This feature can be used to replace a device in a network. See [“VST-APL backup and restore” on page 6](#).

VST-APL File Management

You can now see the file systems of external media via the VST-APL File Management page.

Vista Manager

The Vista Manager application was upgraded to version 3.8.0. For release notes, and other technical documents, for Vista Manager 3.8.0 see the [Vista Manager Network Appliance Technical Document](#) page on our website.

Wireless Controller (AWC)

The Wireless Controller (AWC) application was upgraded to version 3.8.0. For release notes, and other technical documents, for Wireless Controller (AWC) 3.8.0 see the [Vista Manager Network Appliance Technical Document](#) page on our website.

SNMP

The SNMP (full SNMP) plug-in application was upgraded to 2.8.0. For release notes and other technical documents for SNMP 2.8.0, see the [Vista Manager Network Appliance Technical Document](#) page on our website.

AMF Cloud

The AMF Cloud application was upgraded to version 5.5.1-2. For release notes, and other technical documents, for AMF Cloud 5.5.1-2 see the [Vista Manager Network Appliance Technical Document](#) page on our website.

Application upgrade improvements

You can now upgrade multiple applications as a set. See [“Upgrade procedure” on page 14](#).

Caution: Note that to retain application data for AWC and SNMP applications for VST-APL 3.4.1, you must follow a new procedure.

VST-APL backup and restore

From VST-APL 3.4., you can use the backup and restore feature to create a back-up file of a VST-APL Network Appliance. This back-up file can be used to return the device to the same state at a later date, or to replace the device with an identical back-up device.

The back-up file records, and can restore:

- the appliance configuration
- the APP files stored in the appliance persistent memory.
These contain the images of the application software. You can choose which of these application files to back up.
- snapshots of selected application instances.
Each of these is a snapshot of the configuration and application data of an application instance on the device.

Note that this feature does not back up application bundle files.

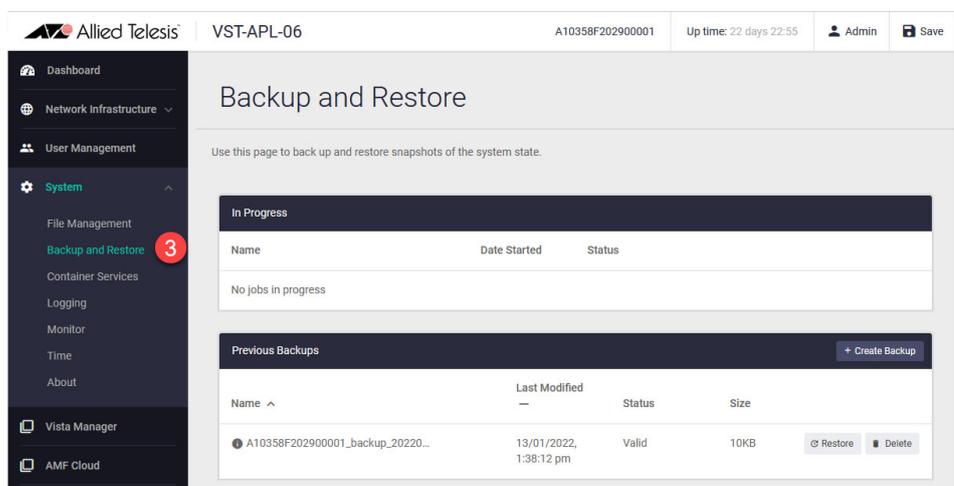
Back up the appliance

To back up all the appliance configuration, any application image files (.app) and the application data for all application instances, follow these steps. This provides a backup that can later be used to restore either an individual application instance or all the application configuration and application instances.

1. If there is unsaved appliance configuration that you want to include in the back-up, click the **Save** button at the top of the VST-APL GUI page.
2. Connect external media for storing the back-up to the appliance's USB port. The external media must have one of the following supported formats: FAT32, exFAT, ext2, ext3 or ext4.

Note that if the external media file system format does not support a sufficiently large file size, the backup will fail. Choose a different external media with a file system format that supports a larger maximum file size, such as ext4.

3. In the VST-APL menu, navigate to **System > Backup and Restore**.



The screenshot shows the VST-APL GUI interface. The top navigation bar includes the Allied Telesis logo, the device name 'VST-APL-06', a unique ID 'A10358F202900001', and the uptime 'Up time: 22 days 22:55'. The user is logged in as 'Admin' and there is a 'Save' button. The left sidebar has a 'System' menu item with a red circle containing the number '3' next to it, indicating the current page. The main content area is titled 'Backup and Restore' and contains the following text: 'Use this page to back up and restore snapshots of the system state.'

Below the text, there are two sections:

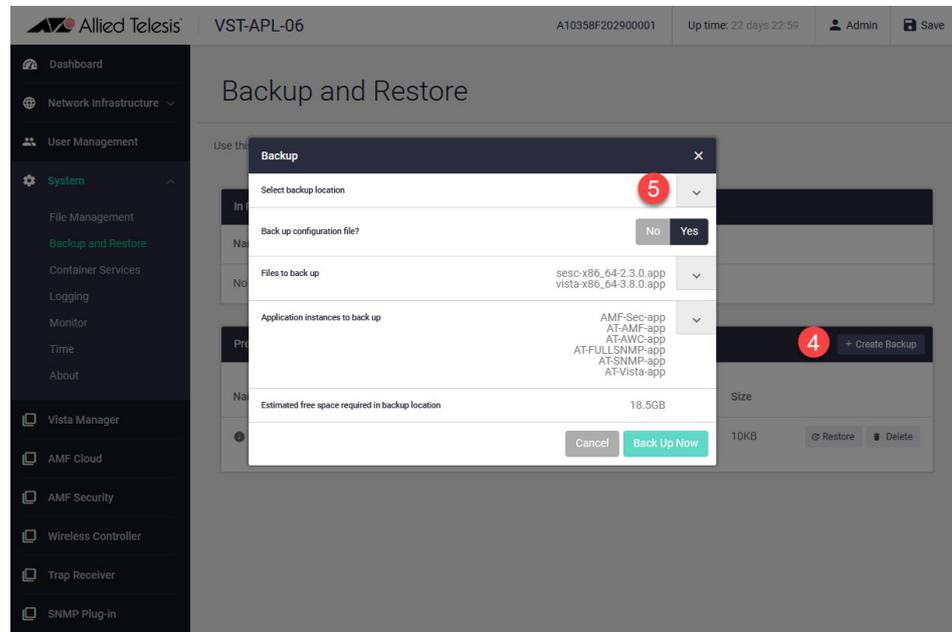
- In Progress:** A table with columns 'Name', 'Date Started', and 'Status'. It shows 'No jobs in progress'.
- Previous Backups:** A table with columns 'Name', 'Last Modified', 'Status', and 'Size'. It contains one entry:

Name	Last Modified	Status	Size
A10358F202900001_backup_20220...	13/01/2022, 1:38:12 pm	Valid	10KB

 There are 'Restore' and 'Delete' buttons for this entry.

- On the **Backup and Restore** page, click **+ Create Backup** at the top right of the **Previous Backups** panel.

The **Backup** dialog box opens, showing the default settings for the back-up you are about to create, and the storage space it estimates that you need to have free on the external media.



- In the **Backup** dialog box, click the down-arrow at the right of **Select backup location** and choose from the locations available the external media connected previously.

Check that the backup location has sufficient free space for the new back-up file. You can see the free space available on the backup media in this panel. You can also see the file system of the external media by navigating to the System > File Management page and then clicking in the file path at the top of the File System (fs) panel.

- By default, the back-up configuration sets the device to back up everything it can. Check that the following are selected for backup:

- « **Back up configuration file?** is set to **Yes**. This sets the file default.cfg to back up.
 - « all application image files stored in the device's file system, such as vista-x86_64-x.x.x.app and other APP files. (It does not backup bundle files.)
 - « all application instances on the device that are Running or Stopped, such as AT-VISTA-app and other application instances.
- If an application instance is not in the drop-down list, then make sure it is Running or Stopped. (To check this, from the VST-APL menu, navigate to the VST-APL page for the application or to System > Container Services).

Restore the appliance completely from a back-up

Use this procedure to:

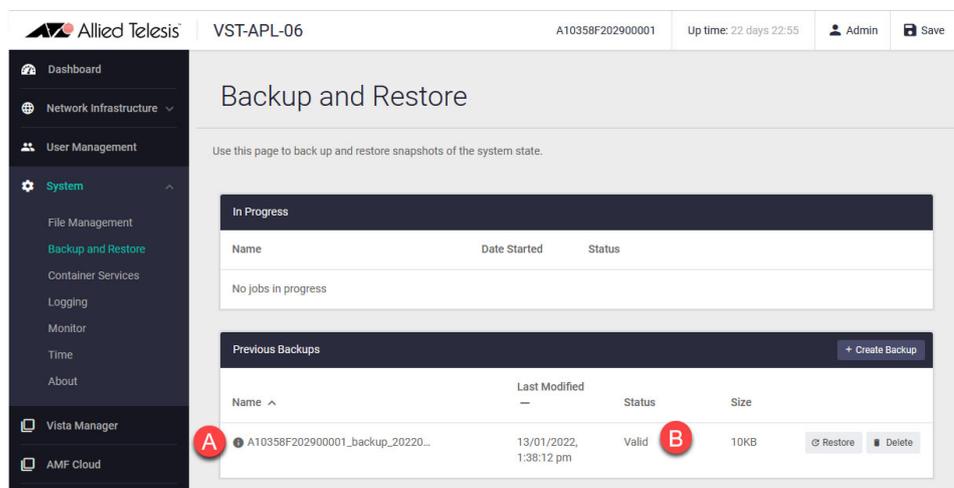
- Restore a VST-APL appliance completely from a backup.
- Recreate an appliance on identical replacement hardware.

If you want to restore one or more application instances on the appliance and leave other configuration and instances unchanged, see [“Restore an application on the appliance from a back-up” on page 11.](#)

Caution: Using the following procedure will permanently remove from the appliance all existing appliance and application configuration, application image files, application instances, and application data to be restored.

It will replace this with everything in the backup file. Before using this procedure, check that the backup file contains all the components you require for this.

1. Access the VST-APL GUI. For a new device, see [“Accessing the Web-based VST-APL GUI” on page 13.](#)
2. Connect the external media containing the backup file.
3. Stop all running application instances. To do this, in the VST-APL menu, navigate to **System > Container Services**, and click **Stop**.
4. In the VST-APL menu, navigate to **System > Backup and Restore**. The Backup and Restore page lists **Previous Backups** accessible on connected external media. Check that the backup:
 - « contains all the components you will need on the appliance after it is restored. To see the contents of a previous back-up, hover over the information icon “i” to its left. A pop-up window displays the contents of the backup. [A]
 - « was created on the same model (board name) of appliance that you are restoring
 - « has status Valid. [B]



The screenshot shows the VST-APL GUI interface. The top header includes the Allied Telesis logo, the device name 'VST-APL-06', and system information like 'A10358F202900001' and 'Up time: 22 days 22:55'. The left sidebar is expanded to 'System', with 'Backup and Restore' selected. The main content area is titled 'Backup and Restore' and contains the following sections:

- In Progress:** A table with columns 'Name', 'Date Started', and 'Status'. It shows 'No jobs in progress'.
- Previous Backups:** A table with columns 'Name', 'Last Modified', 'Status', and 'Size'. It contains one entry:

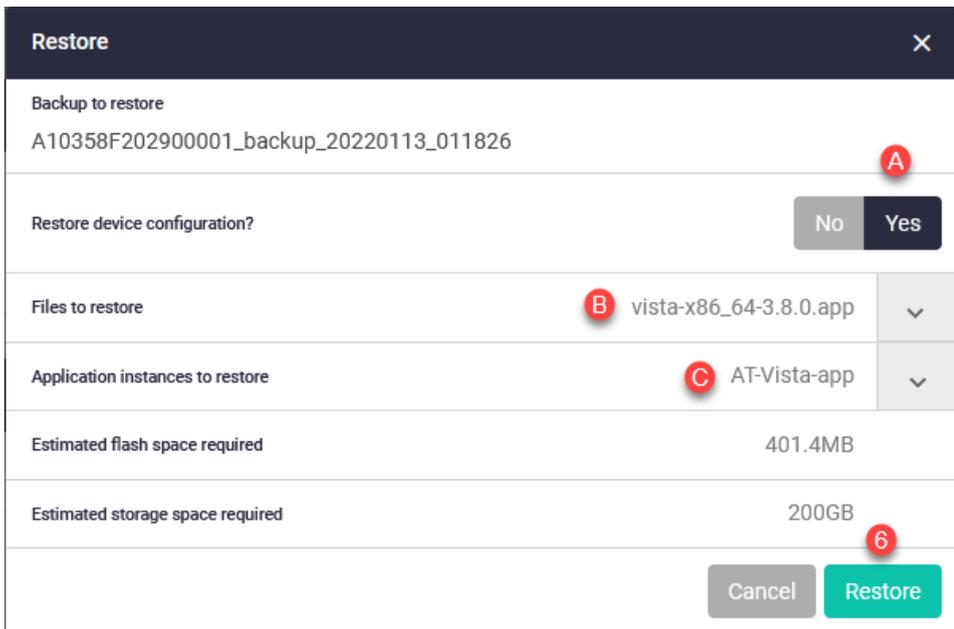
Name	Last Modified	Status	Size
A10358F202900001_backup_20220...	13/01/2022, 1:38:12 pm	Valid	10KB

 A red circle 'A' is placed over the information icon (i) next to the backup name, and a red circle 'B' is placed over the 'Valid' status.

- Click the **Restore** button at the right of the backup. The **Restore** dialog box opens. By default, all the items in the back-up file are set to be restored.

To make sure the device is fully restored from the backup, check that:

- « **Restore device configuration?** is set to **Yes** (dark). This restores the default.cfg file. [A]
- « all application image files (.app) are selected at **Files to restore** [B], and all applications are selected at **Application instances to restore** [C].



Restore✕

Backup to restore
A10358F202900001_backup_20220113_011826

Restore device configuration? No **Yes**

Files to restore vista-x86_64-3.8.0.app ▾

Application instances to restore AT-Vista-app ▾

Estimated flash space required 401.4MB

Estimated storage space required 200GB

Cancel Restore

- To begin the restore job, click the green **Restore** button at the bottom of the Restore dialog box. The Restore dialog box closes and the restore job shows in the **In Progress** panel in the Backup and Restore page. Restoring may take a few minutes.

In Progress		
Name	Date Started	Status
A10358F202900001_backup_20220113_011826	13/01/2022, 2:29:30 pm	Restore in progress. Please do not reboot or power off the device.

Caution: Do **not** save the appliance configuration after this step and before the next step.

- To put the changes into effect, restart the appliance. To do this, navigate to **System > File Management**, and click **Reboot**.

You can now use the VST-APL and save the configuration as needed.

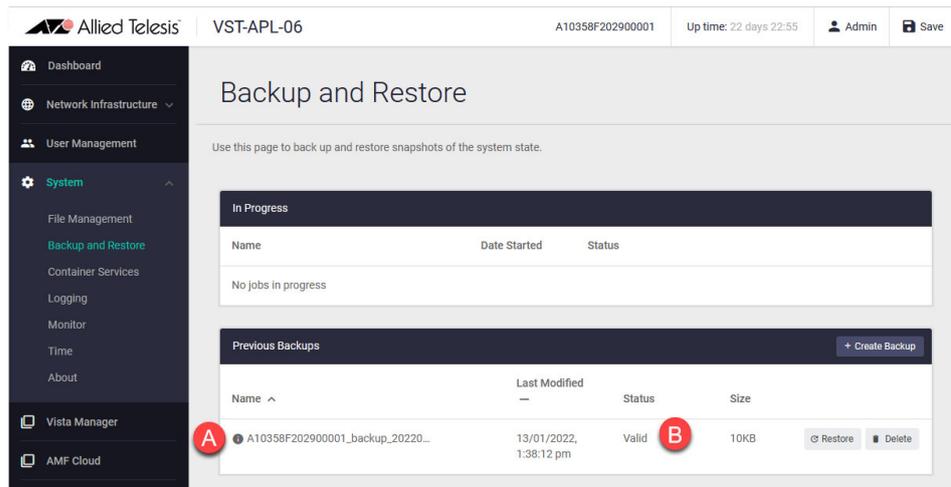
Restore an application on the appliance from a back-up

Use this procedure to restore an application instance on a VST-APL appliance from a backup. These leaves other applications instances on the appliance as they were.

Caution: Make sure you follow this procedure carefully. This will replace only the required application. Failing to follow this procedure can result in permanently losing appliance configuration and data for other applications.

If you want to restore everything on the appliance, see [“Restore the appliance completely from a back-up” on page 9](#).

1. Connect the external media containing the backup file.
2. If the application you are going to restore is running, stop it. To do this, in the VST-APL menu, navigate to **System > Container Services**, and click **Stop**.
3. In the VST-APL menu, navigate to **System > Backup and Restore**. The Backup and Restore page lists **Previous Backups** accessible on connected external media. To see details of a previous back-up, hover over the information icon “i” to its left. A pop-up window displays the contents of the backup file.



The screenshot shows the 'Backup and Restore' page in the VST-APL interface. The page title is 'Backup and Restore' and it includes a sidebar with navigation options like Dashboard, Network Infrastructure, User Management, System, File Management, Backup and Restore, Container Services, Logging, Monitor, Time, About, Vista Manager, and AMF Cloud. The main content area shows 'In Progress' jobs (none) and 'Previous Backups' with a table listing backup files. One backup file is highlighted with a red circle 'A' and has a 'Restore' button with a red circle 'B' next to it.

Name	Date Started	Status
No jobs in progress		

Previous Backups				+ Create Backup
Name	Last Modified	Status	Size	
A10358F202900001_backup_20220...	13/01/2022, 1:38:12 pm	Valid	10KB	Restore Delete

4. For the backup file that you choose to restore the appliance with, check that it:
 - « contains a backup of the application instance you want to restore.
 - « has status Valid
 - « was created on the same model (board name) of appliance that you are restoring

Click the **Restore** button at its right. Select the external media. The **Restore** dialog box opens.

- By default, all the items in the back-up file are set to be restored.
To make sure only the required application instance is restored from the backup, and the appliance configuration and other application instances are retained on the appliance without being restored or removed:

« Set **Restore device configuration** to **No** (dark). [A]

Caution: It is important to set this to **No**. Otherwise the appliance configuration and application data for other application instances may be permanently lost from the appliance.

« At **Files to restore**, unselect any .app files you don't want to restore. [B]

« At **Application instances to restore**, make sure the application you want to restore remains selected. Unselect all the other applications. [C]

Restore✕

Backup to restore
A10358F202900001_backup_20220113_011826

Restore device configuration?
 No Yes

Files to restore B vista-x86_64-3.8.0.app ▼

Application instances to restore C AT-Vista-app ▼

Estimated flash space required 401.4MB

Estimated storage space required 200GB

- To begin the restore job, click the green **Restore** button at the bottom right of the Restore dialog box. Click **OK** in the pop-up box.

In Progress		
Name	Date Started	Status
A10358F202900001_backup_20220113_011826	13/01/2022, 2:29:30 pm	Restore in progress. Please do not reboot or power off the device.

The Restore dialog box closes and the restore job shows in the **In Progress** panel in the Backup and Restore page. Restoring may take a few minutes.

Caution: Do **not** save the configuration after this step and before the next step.

- When the application has been restored from the backup, the message in the In Progress panel confirms this. Click **OK**.

In Progress		
Name	Date Started	Status
A10358F202900001_backup_20220113_011826	13/01/2022, 3:00:24 pm	Restore successful. Please click OK to continue. <input checked="" type="button" value="OK"/>

You can now use the VST-APL and save the configuration as needed.

Accessing the Web-based VST-APL GUI

This section describes how to access the GUI to manage and monitor your Vista Manager Network Appliance.

These browsers are supported:

- Google Chrome™
- Mozilla Firefox™
- Microsoft Edge or Internet Explorer™ 11 or later
- Apple Safari™.

The VST-APL Web GUI is pre-installed. Connect to the GUI by following these steps.

Step 1: Connect to the appliance.

Connect the appliance to the network by one of the front panel Ethernet ports. (The console port is for diagnostic use, not for device management.)

Step 2: Open a web browser and browse to the IP address for the appliance.

The appliance is set to accept an IP address from DHCP.

If DHCP does not assign one, it uses the default IP address 192.168.1.1/24.

For more information on starting the initial management session, see the Installation Guide.

Step 3: Log in to the GUI.

The default username is *manager* and the default password is *friend*.

The web browser displays the VST-APL dashboard.

For more detailed information on starting the initial management session, see the Installation Guide for your appliance.

Once you have logged into the GUI, you can manage the appliance itself. You will need to activate each application you require. Use the application menu item in the dashboard menu in the web-based VST-APL Web GUI to activate, monitor, manage and access each application as needed for your network.

Upgrade procedure

Caution: You must back up the Wireless Controller and SNMP Full applications before upgrading. See [“Back up application data” on page 17](#).

This section describes how to upgrade the VST-APL GUI and applications. It describes how to:

- [“Upload component software” on page 14](#)
- [“Back up application data” on page 17](#)
- [“Upgrade the operating system and GUI” on page 15](#)
- [“Upgrade Wireless Controller \(AWC\) and SNMP \(full\) plug-in applications” on page 17](#)
- [“Upgrade Vista Manager, AMF Cloud, Trap Receiver and AMF Security applications” on page 25](#)

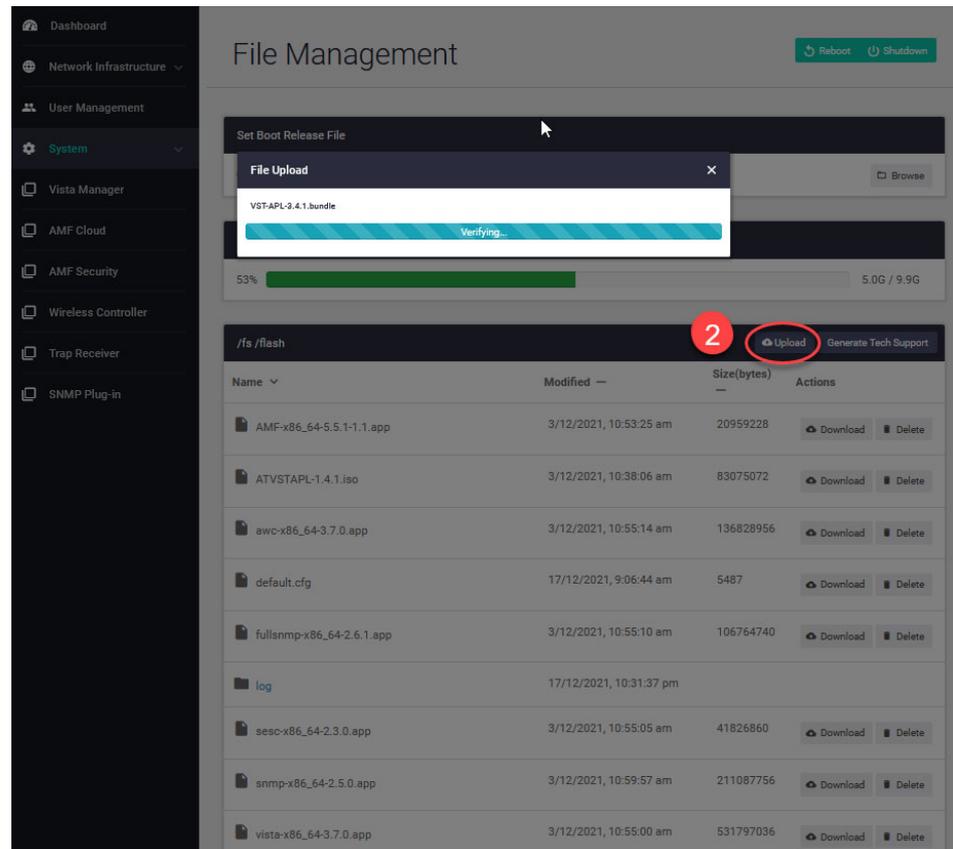
Upload component software

When you upgrade the VST-APL, make sure you upgrade the operating system and all the applications you are using, so that they match.

Caution: Ensure you obtain the software image files from Allied Telesis. If you try to install software that is not provided by Allied Telesis, there is risk of corrupting the installation.

1. Download the following files from the [Software Download Centre](#). Save them to a directory that the appliance can access, such as the device your GUI browser is running on.
 - « the appliance software operating system and web GUI. This has a filename like `ATVSTAPL-x.x.x.iso`.
 - « all the applications as a bundle. This has a filename like `VST-APL-x.x.x.bundle`.

- In the VST-APL GUI, navigate to the **System > File Management** page. Click the **Upload** button to upload the files to the appliance's persistent storage.



Several of the applications can be upgraded as a set from the bundle.

However, the following applications are not supported by upgrading as a set. You must upgrade them separately. To upgrade these, use the procedure in [“Upgrade Wireless Controller \(AWC\) and SNMP \(full\) plug-in applications” on page 17.](#)

- « Wireless Controller (AWC) plug-in
- « SNMP (Full) plug-in

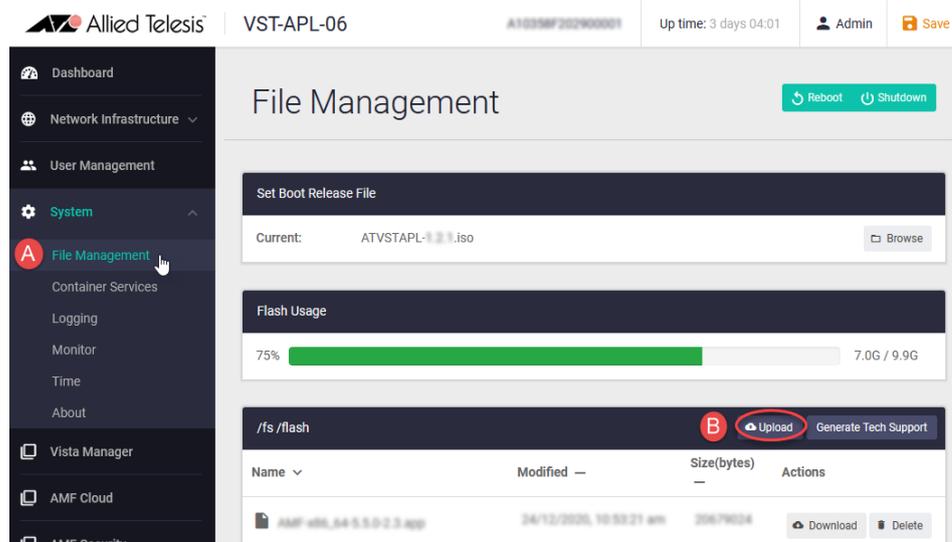
To see which version of the VST-APL operating system the appliance is currently running, use the VST-APL GUI to navigate to the **System > About** page. To see the application files loaded in the appliances memory, navigate to the **System > File Management** page. To see the current version of an application running on the appliance, go to the GUI page for the application by clicking on its menu item, and hover over the instance information icon in the Deployed Application panel.

Upgrade the operating system and GUI

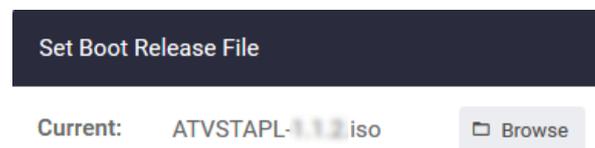
To upgrade the VST-APL operating system, follow these steps.

- Get the latest version of the appliance software from the [Software Download Centre](#). This will have a filename like ATVSTAPL-x.x.x.iso, where x.x.x is the version. Download it to a directory that the appliance can access, such as the device your GUI browser 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-APL GUI page. This stores the current state of the applications. The upgrade process will reboot the appliance.
3. You need the new image file in the appliance persistent storage to change the running software.
 - « Navigate to the **System > File Management** page.
 - « Upload the software image file to persistent storage by clicking the **Upload** button.



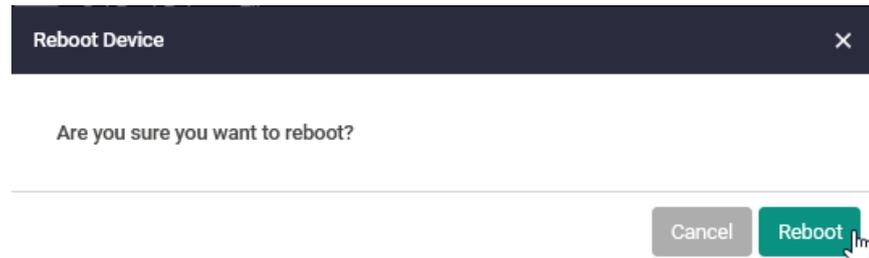
4. Click **Browse** in the **Set Boot Release File** panel to display available software files.



5. Select the new software version and click **Apply**.
6. Reboot the appliance by clicking the green **Reboot** button at the top right of the **File Management** page.



7. Click **Reboot** again to confirm.



The appliance will shut down any applications that are running, install the new version of the VST-APL operating system, and restart any applications that were running when the appliance configuration was last saved. This may take several minutes. The appliance configuration, including IP addressing, is retained from the last time it was saved.

8. When the upgrade has completed, you will need to re-authenticate to access the appliance.
9. To verify the currently running software version, login to your VST-APL Web GUI, navigate to the **System > About** page, and look at the details there. The **Software Version** should agree with the VST-APL Web GUI version.

Upgrade Wireless Controller (AWC) and SNMP (full) plug-in applications

Use this manual procedure to upgrade the following applications by destroying the old and creating new instances.

For AWC and SNMP (full) applications, you cannot:

- upgrade these as part of a set by using the application bundle file
- use the upgrade procedure from versions earlier than VST-APL 3.4.1.
- use the Upgrade button in the VST-APL GUI to upgrade.

Instead, use these procedures:

- [“Back up application data” on page 17](#)
- [“Destroy and recreate the application instances” on page 19](#)
- [“Re-register plug-ins in Vista Manager” on page 21](#)
- [“Restore application data from back-up” on page 23](#)

Back up application data

Before upgrading the Wireless Controller and SNMP Full applications, you must back up their system data. The procedures for this are described in this section. We recommend also backing up other applications. The procedures are similar.

Make sure that directories and filenames used for backup and restoration do not contain any multibyte characters.

Back up system data for the Wireless Controller (AWC) plug-in application

1. Log into Vista Manager EX using an Admin account.
2. From the AWC Plug-in menu, select **System Setting**.
3. To create a backup file for the log data in addition to the other data backup, check the **Include Log Data** checkbox to the right of the Backup button under System Maintenance (optional).
4. To start the back-up downloading, click the **Backup** button in the System Maintenance section.
5. From your web browser's dialog box, save the backup file to your local computer.

The backup filename will be in the format:
"config_atawc-X.X.X_-YYYYMMDDhhmmss.zip".

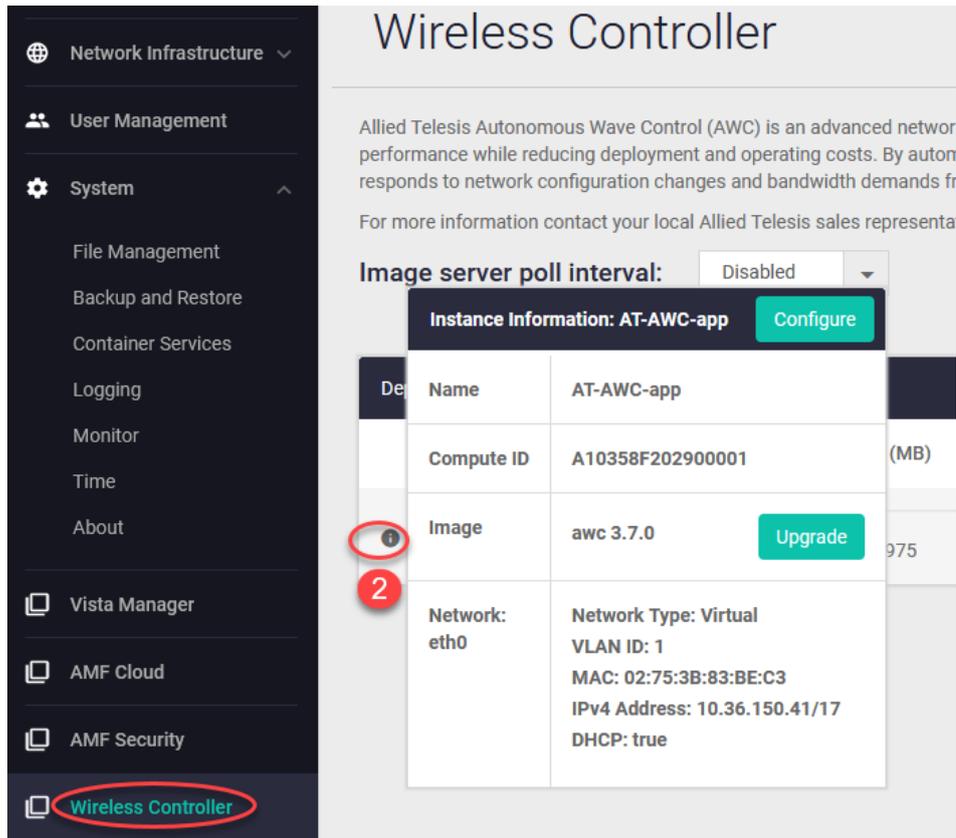
Back up system data for the SNMP plug-in application

1. Log in to Vista Manager EX using an Admin account.
2. Click the **SNMP Plug-in** icon in the left menu of the Vista Manager application, then click the **System** menu.
3. In the **System Maintenance** panel of the **System Setting** page, click the **Backup** button. This creates a backup of application data.

Destroy and recreate the application instances

Follow these steps.

1. Load the file containing the image file of new application version— “Upload component software” on page 14.
2. In the application page for each application, record information about the application from its Instance Information panel.



The screenshot displays the 'Wireless Controller' application page. The left sidebar contains a navigation menu with 'Wireless Controller' highlighted in red. The main content area shows the 'Instance Information: AT-AWC-app' panel. A table lists the instance details:

Detail	Name	AT-AWC-app
Compute ID	A10358F202900001	(MB)
Image	awc 3.7.0	Upgrade
Network: eth0	Network Type: Virtual VLAN ID: 1 MAC: 02:75:3B:83:BE:C3 IPv4 Address: 10.36.150.41/17 DHCP: true	

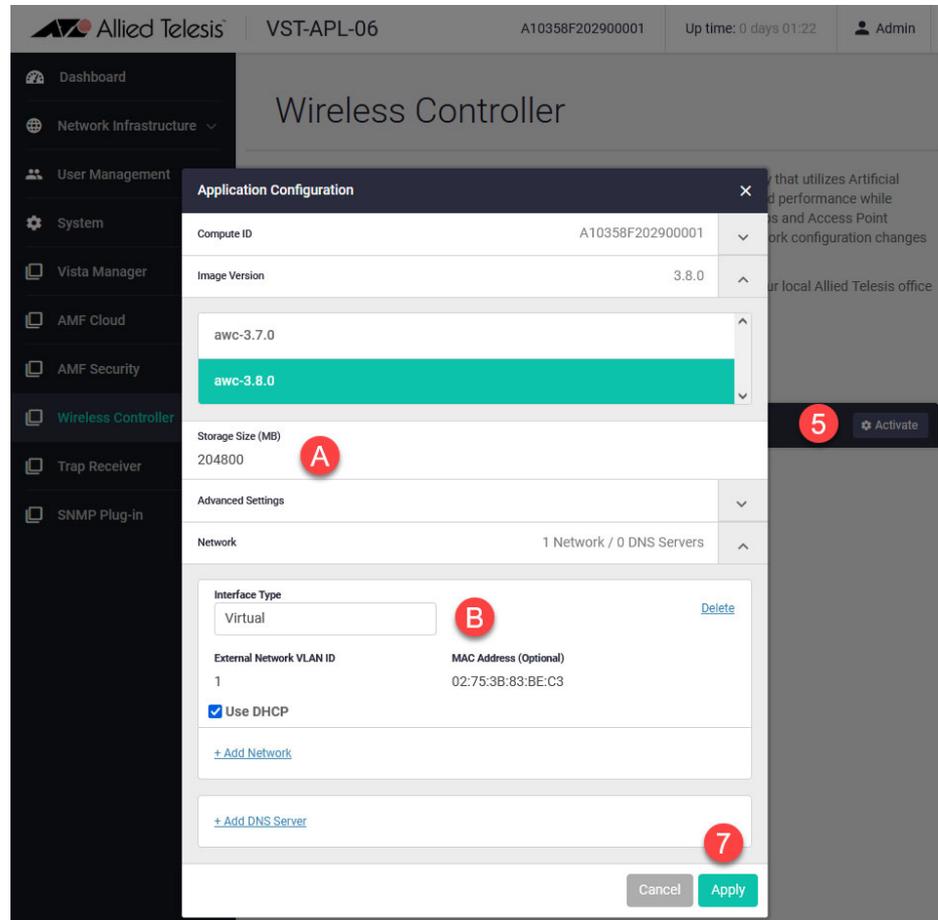
A red circle with the number '2' is placed over the 'Image' row in the table.

3. In the application page, stop the application by clicking the **Stop** button.
4. Destroy the application by clicking the **Destroy** button.
5. Click the **Activate** button.

- In the **Application Configuration** dialog box, fill in the storage and prerecorded network data. The recommended storage values are:

AWC: 204 800 MB

SNMP Full: 102 400 MB



- Click the **Apply** button. This creates a new version of the application instance. Wait a few minutes for this to start and for the **Open** button to appear.
- From the VST-APL menu, navigate to the **Vista Manager** page and click the **Open** button. If necessary, wait for Vista Manager EX to perform its initial set up.
- Log in to Vista Manager EX.

Re-register plug-ins in Vista Manager

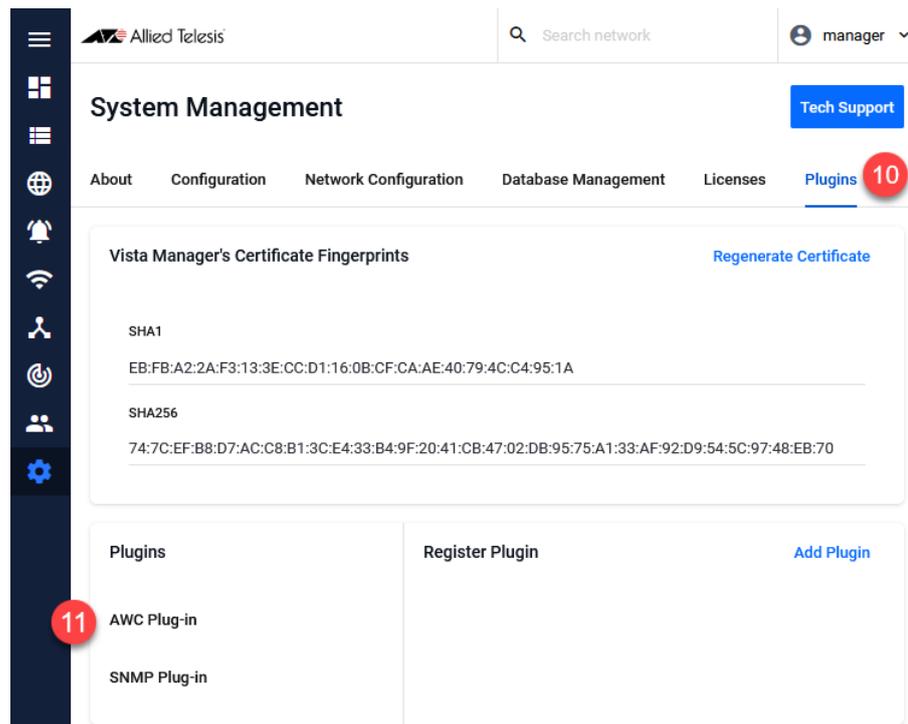
If you are using these plug-ins in Vista Manager EX, you will need to reregister them:

- Wireless Controller (AWC)
- SNMP (Full)

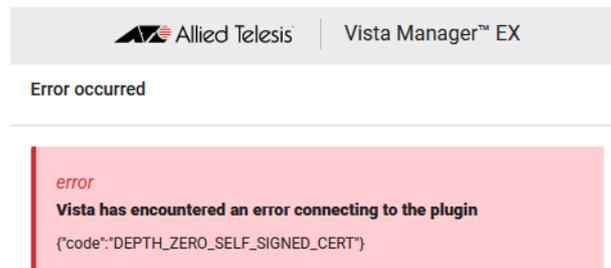
Follow these steps for each of the plug-ins.

10. On the Vista Manager EX page, navigate to **System Management > Plugins**.

11. Click **AWC Plug-in** at the bottom left.



If the plug-in is not registered, Vista Manager displays an error message like this:



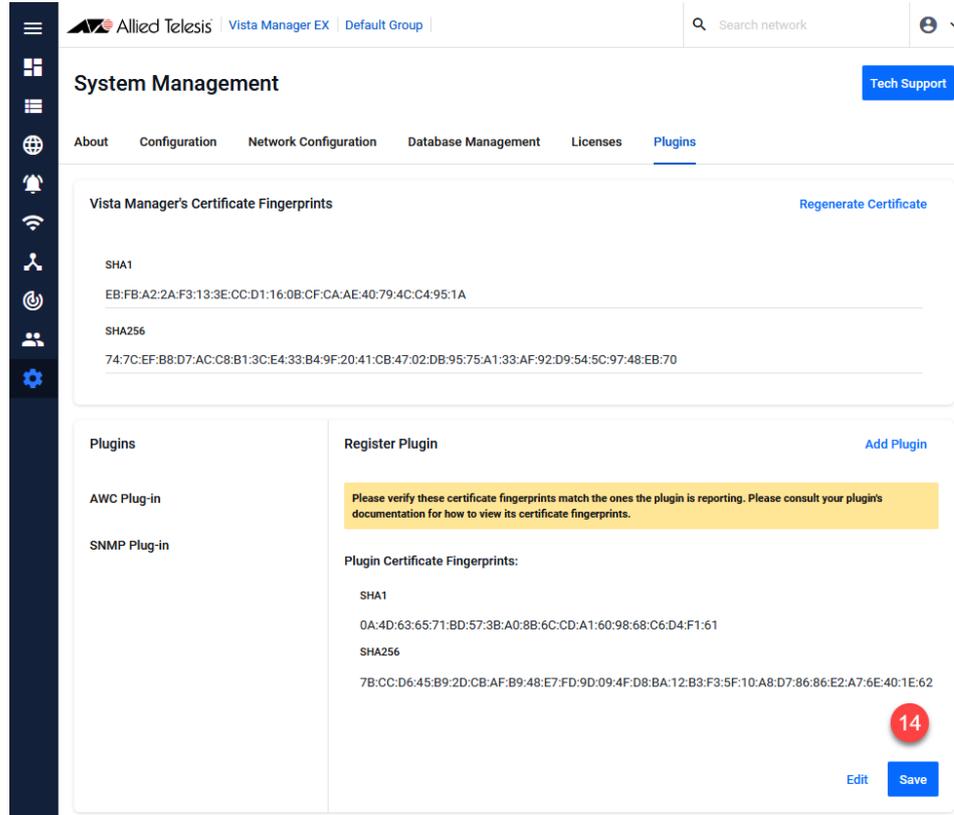
12. Click **Edit**.

The screenshot shows the 'System Management' interface with the 'Plugins' tab selected. The 'AWC Plug-in' is highlighted in the left sidebar. The main content area shows the 'Vista Manager's Certificate Fingerprints' and 'Plugin Certificate Fingerprints' for the selected plug-in. A red circle with the number 12 highlights the 'Edit' button at the bottom right of the AWC Plug-in configuration panel.

13. Click **Verify Connection**.

The screenshot shows the 'System Management' interface with the 'Plugins' tab selected. The 'AWC Plug-in' is highlighted in the left sidebar. The main content area shows the 'Vista Manager's Certificate Fingerprints' and 'Plugin Certificate Fingerprints' for the selected plug-in. The 'Server URL' field is populated with 'https://10.36.150.149:5443/wireless_plugin'. A red circle with the number 13 highlights the 'Verify Connection' button at the bottom right of the configuration panel.

- Check the certificate and click **Save**. A 'Plug-in updated' pop-up message confirms this step.



The screenshot shows the 'System Management' interface for Vista Manager EX. The 'Plugins' tab is active, displaying a list of installed plugins: AWC Plug-in and SNMP Plug-in. A 'Register Plugin' dialog is open, showing a warning message: 'Please verify these certificate fingerprints match the ones the plugin is reporting. Please consult your plugin's documentation for how to view its certificate fingerprints.' Below the warning, the 'Plugin Certificate Fingerprints' are listed for SHA1 and SHA256. A red circle with the number '14' is visible in the bottom right corner of the dialog, indicating a step number. The 'Save' button is highlighted in blue.

- Repeats steps [Step 11](#) to [Step 14](#) for the SNMP (full) plug-in.
- Restore system data for the plug-in application from the back-up file ("[Restore application data from back-up](#)" below).

Restore application data from back-up

For the applications upgraded as a set in this procedure "[Upgrade Vista Manager, AMF Cloud, Trap Receiver and AMF Security applications](#)" on page 25, the data is restored automatically.

For the Wireless Controller and SNMP (Full) applications, you must use the following procedures to restore the system data:

- "[Restore system data for the Wireless Controller plug-in](#)" on page 23
- "[Restore system data for the SNMP plug-in](#)" on page 24

Restore system data for the Wireless Controller plug-in

Note that:

- The users' network permissions database for the Management Group is retained in Vista Manager EX itself. Therefore, restore the AWC Plug-in application data before you upgrade Vista Manager EX.
- Restoring a backup file made on another platform is not supported.

To restore data from the back-up file for the Wireless Controller (AWC) plug-in application, follow these steps:

1. Log in to Vista Manager EX using an Admin account.
2. In the Vista Manager EX menu, navigate to **AWC Plug-in > System Setting** page.
3. Click the **Restore** button in the System Maintenance section to open the **Restore** dialog box.
4. Click the **Select File** button and select a backup file.
5. Click **Run**.
6. Click **OK** on the confirmation dialog box.
7. After the restoration process has finished, a dialog box shows that restoration is complete. Click **OK**.

Note that the back-up cannot restore the following system information. Re-configure these values as necessary:

- « Database Setting > **Maximum Memory Usage**
- « Network Map Setting > **Wireless Client Update-Interval**

Note that an email server and “from” address must be configured on the device in order for email logs to work. Use the command **mail from <email-address> server <ip-address>**, where the <email-address> is the ‘From:’ field on the sent email, and the <ip-address> is the email’s destination SMTP server.

8. Set the external IP address for the plug-in application. To do this, in the Vista Manager EX page, navigate to **AWC Plug-in > System Setting**.

In the **IP Address Settings** page, click the drop down list and select the AWC IP address (don’t select ‘other’).

Click the **Save** button for that section.

Restore system data for the SNMP plug-in

To restore data from the backup of application data for the SNMP plug-in application, follow these steps.

Log in to Vista Manager EX using an Admin account.

1. In the left menu of Vista Manager EX, click the **SNMP plug-in** icon, then click the **System** menu.
2. In the **System Setting** page **System Maintenance** panel, click the **Restore** button. This restores the data from the back-up into the SNMP plug-in application.

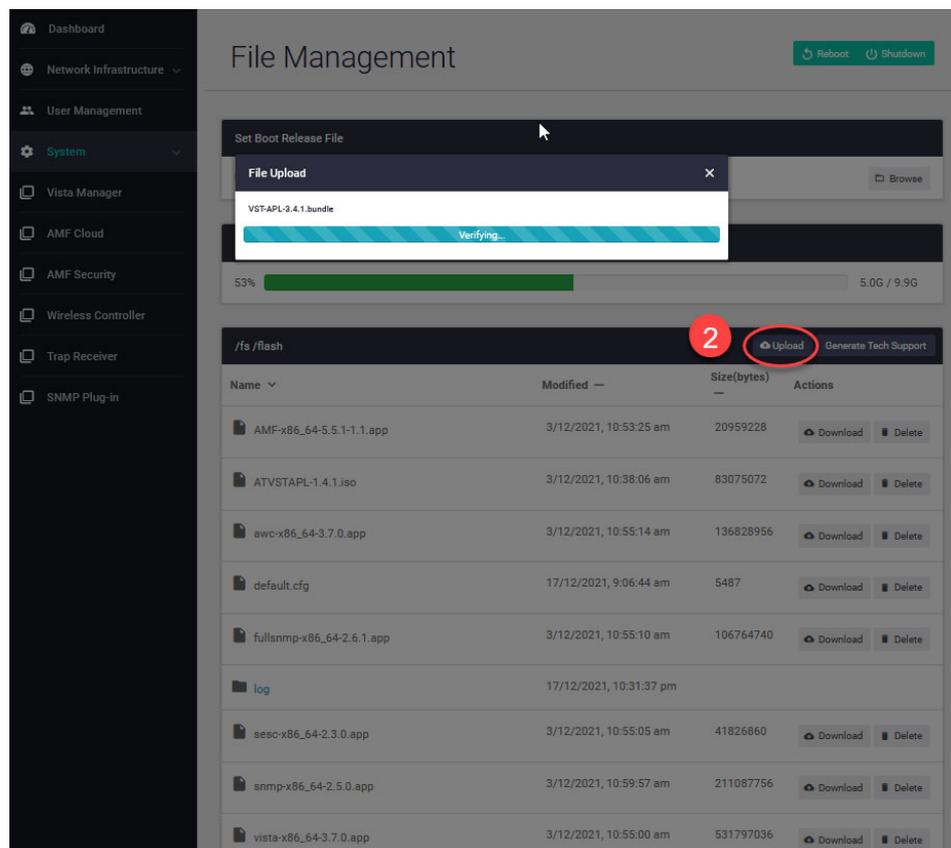
Upgrade Vista Manager, AMF Cloud, Trap Receiver and AMF Security applications

VST-APL version 3.4.1 onwards (VST-APL Web GUI version 1.5.1) supports simpler upgrade of applications from a bundle. This ensures they are compatible with each other and the operating system version.

Caution: Before upgrading Vista Manager as described in this section, upgrade the Wireless Controller application. This makes sure the users' network permissions information for the plug-in's Management Groups will be restored correctly. See [“Upgrade Wireless Controller \(AWC\) and SNMP \(full\) plug-in applications”](#) on page 17.

Use this procedure to dynamically upgrade these applications:

- Vista Manager
 - AMF Cloud
 - Trap Receiver plug-in
 - AMF Security
1. Navigate to the **System > File Management** page.
 2. Upload the application bundle file VST-APL-x.x.x.bundle.



3. Navigate to **System > Container Services**.

Container Services

Container Services provide management for self-contained network applications.

Image server poll interval: Disabled

Compute ID	IP	Arch	CPU Load (%)	Memory (MB)	Storage (MB)	State
A10358F202900001		x86_64	3.01 / 100	5353 / 116 / 4520 / 31975	649216 / 953548	Alive

Name	Compute ID	Image	Cores	CPU Load (%)	Memory (MB)	Storage (MB)	State	Action
AMF-Sec-app	A10358F202900001	sesc		0.07/100	288 / 31975	2182 / 81920	Running	Open Stop
AT-AMF-app	A10358F202900001	AMF		0.01/100	133 / 31975	819 / 32768	Running	Open Stop
AT-AWC-app	A10358F202900001	awc		1.66/100	535 / 31975	4725 / 204800	Running	Open Stop
AT-FULLSNMP-app	A10358F202900001	fullsnmp		0.02/100	386 / 31975	1933 / 81920	Running	Stop
AT-SNMP-app	A10358F202900001	snmp		0.03/100	361 / 31975	890 / 32768	Running	Stop
AT-Vista-app	A10358F202900001	vista					Running	Open Stop

Instance	State	Image	Current Version	Target Version	Status	Action
AT-Vista-app	Running	vista	3.7.0	3.8.0	This instance can be upgraded	5
AT-SNMP-app	Running	snmp	2.5.0	2.5.0	This instance is up to date	
AT-FULLSNMP-app	Running	fullsnmp	2.6.1	2.8.0	This instance is running an image that cannot be upgraded to the one in this bundle	
AT-AWC-app	Running	awc	3.7.0	3.8.0	This instance is running an image that cannot be upgraded to the one in this bundle	
AMF-Sec-app	Running	sesc	2.3.0	2.3.0	This instance is up to date	
AT-AMF-app	Running	AMF	5.5.1-1.1	5.5.1-2.1	This instance can be upgraded	5

4. Click the **Upgrade Instances** button.
5. Applications that can be upgraded are shown as selected. We recommend upgrading them all.
6. Click the **Upgrade Selected** button and wait till upgrade is complete. The **Status** column shows progress. They first stop, then change to the new version, then start.

When the application instance is up to date, it has the same configuration and database as before upgrading.

Note that in VST-APL 3.4.1, the earlier versions of the applications show as unsigned even though they are signed. This will be resolved in an upcoming version.

