# Release Note for Web-based Device GUI Version 2.16.x



» 2.16.0

**Allied**Ware Plus
**OPERATING SYSTEM**

# Acknowledgments

## Getting the most from this Release Note

To get the best from this release note, we recommend using Adobe Acrobat Reader version 8 or later. You can download Acrobat free from **www.adobe.com/**

# Contents

# What's New in Version 2.16.0

Product families supported by this version:

| | |
|---|---|
| AMF Cloud | XS900MX Series |
| SwitchBlade x8100: SBx81CFC960 | GS980MX Series |
| SwitchBlade x908 Generation 2 | GS980EM Series |
| x950 Series | GS980M Series |
| x930 Series | GS970EMX/10 |
| x550 Series | GS970M Series |
| x530 Series | 10 GbE Virtual UTM Firewall |
| x530L Series | AR4050S |
| x330-10GTX | AR4050S-5G |
| x320 Series | AR3050S |
| x230 Series | AR2050V |
| x220 Series | AR2010V |
| IE340 Series | AR1050V |
| IE220 Series | TQ6702 GEN2-R |
| IE210L Series | |

# Introduction

This release note describes the new features in the Allied Telesis Web-based Device GUI version 2.16.0. You can run 2.16.0 with AlliedWare Plus firmware versions 5.5.1-x.x, 5.5.2-x.x, or 5.5.3-x.x on your device, although the latest GUI features may only be supported with the latest firmware version.

For information on accessing and updating the Device GUI, see "Accessing and Updating the Web-based GUI" on page 21.

The following table lists model names that support this version:

Table 1: Models and software file names

| Models | Family |
|---|---|
| AMF Cloud | |
| SBx81CFC960 | SBx8100 |
| SBx908 GEN2 | SBx908 GEN2 |
| x950-28XSQ<br>x950-28XTQm<br>x950-52XSQ<br>x950-52XTQm | x950 |
| x930-28GTX<br>x930-28GPX<br>x930-28GSTX<br>x930-52GTX<br>x930-52GPX | x930 |
| x550-18SXQ<br>x550-18XTQ<br>x550-18XSPQm | x550 |

Table 1: Models and software file names (cont.)

| Models | Family |
|---|---|
| x530-10GHXm<br>x530-18GHXm<br>x530-28GTXm<br>x530-28GPXm<br>x530-52GTXm<br>x530-52GPXm<br>x530DP-28GHXm<br>x530DP-52GHXm<br>x530L-10GHXm<br>x530L-18GHXm<br>x530L-28GTX<br>x530L-28GPX<br>x530L-52GTX<br>x530L-52GPX | x530 and x530L |
| x330-10GTX<br>x330-20GTX<br>x330-28GTX | x330 |
| x320-10GH<br>x320-11GPT | x320 |
| x230-10GP<br>x230-10GT<br>x230-18GP<br>x230-18GT<br>x230-28GP<br>x230-28GT<br>x230L-17GT<br>x230L-26GT | x230 and x230L |
| x220-28GS<br>x220-52GT<br>x220-52GP | x220 |
| IE340-12GT<br>IE340-12GP<br>IE340-20GP<br>IE340L-18GP | IE340 |
| IE220-6GHX<br>IE220-10GHX | IE220 |
| IE210L-10GP<br>IE210L-18GP | IE210L |
| XS916MXT<br>XS916MXS | XS900MX |
| GS980MX/10HSm<br>GS980MX/18HSm<br>GS980MX/28<br>GS980MX/28PSm<br>GS980MX/52<br>GS980MX/52PSm | GS980MX |
| GS980EM/10H<br>GS980EM/11PT | GS980EM |
| GS980M/52<br>GS980M/52PS | GS980M |
| GS970EMX/10<br>GS970EMX/20<br>GS970EMX/28 | GS970EMX |
| GS970M/10PS<br>GS970M/10<br>GS970M/18PS<br>GS970M/18<br>GS970M/28PS<br>GS970M/28 | GS970M |

Table 1: Models and software file names (cont.)

| Models | Family |
|---|---|
| 10GbE UTM Firewall | |
| 10 GbE Virtual UTM Firewall | vFW |
| AR4050S<br>AR4050S-5G<br>AR3050S | AR-series UTM firewalls |
| AR1050V | AR-series VPN routers |
| TQ6702 GEN2-R | Wireless AP Router |

# New Features and Enhancements

This section summarizes the new features in the Device GUI software version 2.16.0.
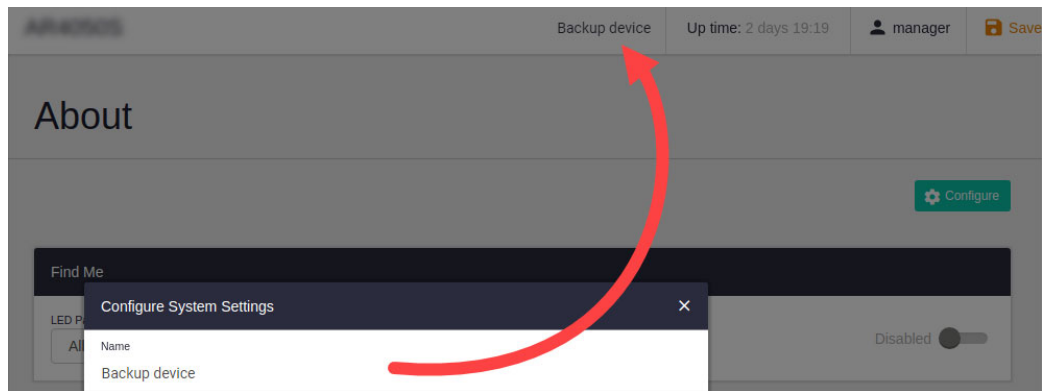
## Ability to change hostname

*Available on: Devices running AlliedWare Plus 5.5.3-2.1 onwards*

From version 2.16.0 onwards, you can change your device's hostname on the About page. The hostname change will be reflected on the Device GUI's header at the top of the page.

To use this feature:

- Navigate to the **About** page from the System menu.
- Select the **Configure** button.

This will bring up the Configure System Settings window. You can type a new hostname in the window.
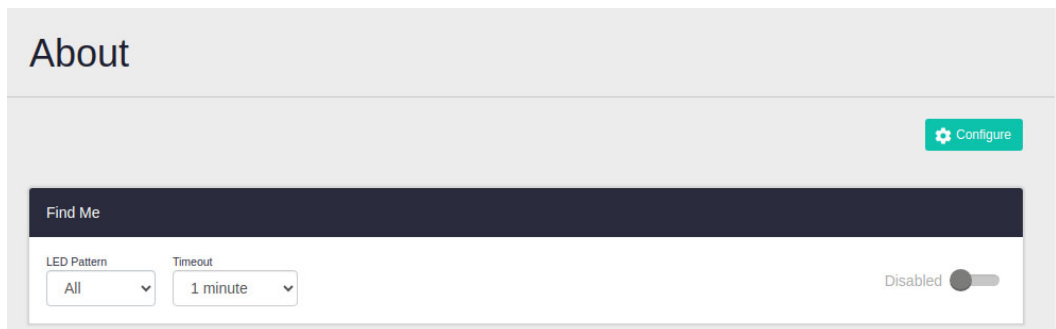
# Find Me feature

*Available on: Devices running AlliedWare Plus 5.5.3-2.1 onwards*

From version 2.16.0 onwards, you can use the Find Me feature to locate a device. When you enable Find Me, all ports on your device will flash based on the pattern that you select.

Click the toggle next to the Find Me widget on the **About** page to enable Find Me.

You can set the LED pattern and timeout in order to find what device you are currently using.

■ Note that you cannot specify individual ports or individual VCS members.



# HTTP and HTTPS Support

*Available on: Devices running AlliedWare Plus 5.5.3-2.1 onwards*

From version 2.16.0 onwards, you can see and configure HTTP and HTTPS services from the **Service Management** page.

You can click the **Configure** button to configure different ports.

■ You cannot use the same ports for both HTTP and HTTPS.

■ If you configure a port currently in use, (for example, the same HTTP port you are using to log into the GUI), then a warning message will display.
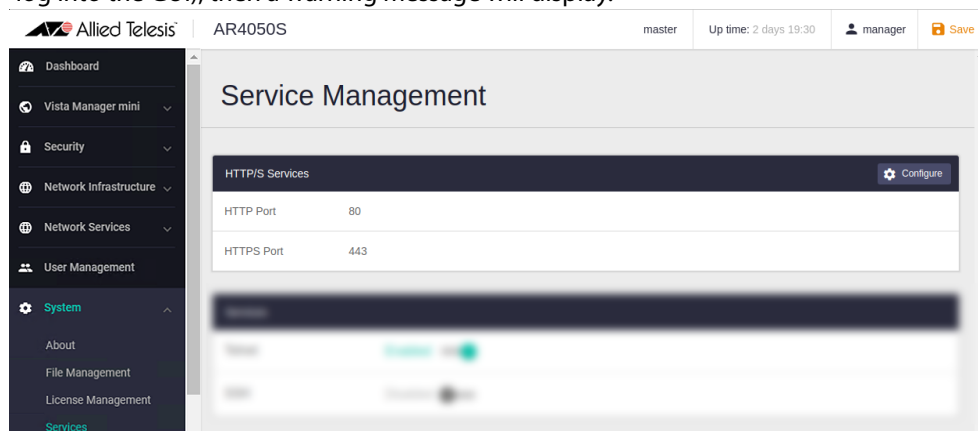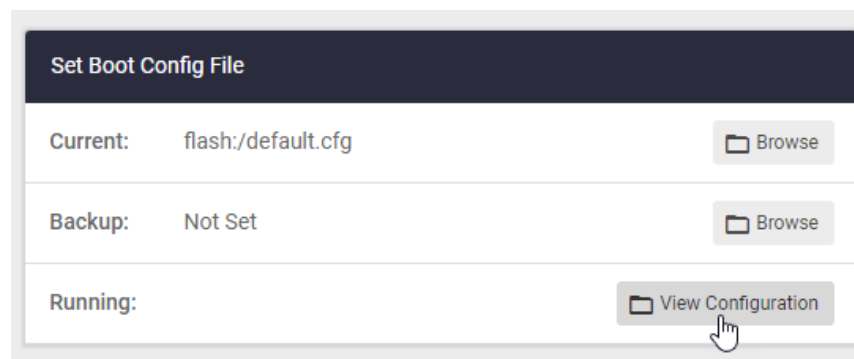
# Display the running configuration

*Available on: Devices running AlliedWare Plus 5.5.3-2.1 onwards*

From version 2.16.0 onwards, you can display the running configuration. This is the configuration that the device is currently running.

■ It may be different than the configuration that the device loads on start-up.

You can display the running configuration by clicking the **View Configuration** button in the Set Boot Config File section of the **File Management** page. This will display the running configuration in a dialog box.

| Set Boot Config File | | |
| --- | --- | --- |
| Current: | flash:/default.cfg | 📁 Browse |
| Backup: | Not Set | 📁 Browse |
| Running: | | 📁 View Configuration |

# Changes to the DNS Client Page

*Available on: Devices running AlliedWare Plus 5.5.3-2.1 onwards*

From version 2.16.0 onwards, a few changes have been made to the DNS Client page.

- The toggle switch next Domain Lookup Enabled has been replaced with a Configuration button.

- You can set Domain Lookup **via Relay** in the Domain Lookup settings from the Configure window.

- The **DNS Client** page also includes a list of domains. You can add and delete domains from this **Domain List** table.

- The **DNS Servers** table now shows the **Source** column, which is the source that the DNS server's IP is learned from.

Clicking on the Configuration button will open the Configure window. The Configure window includes the Domain Lookup feature, which has moved to this window.
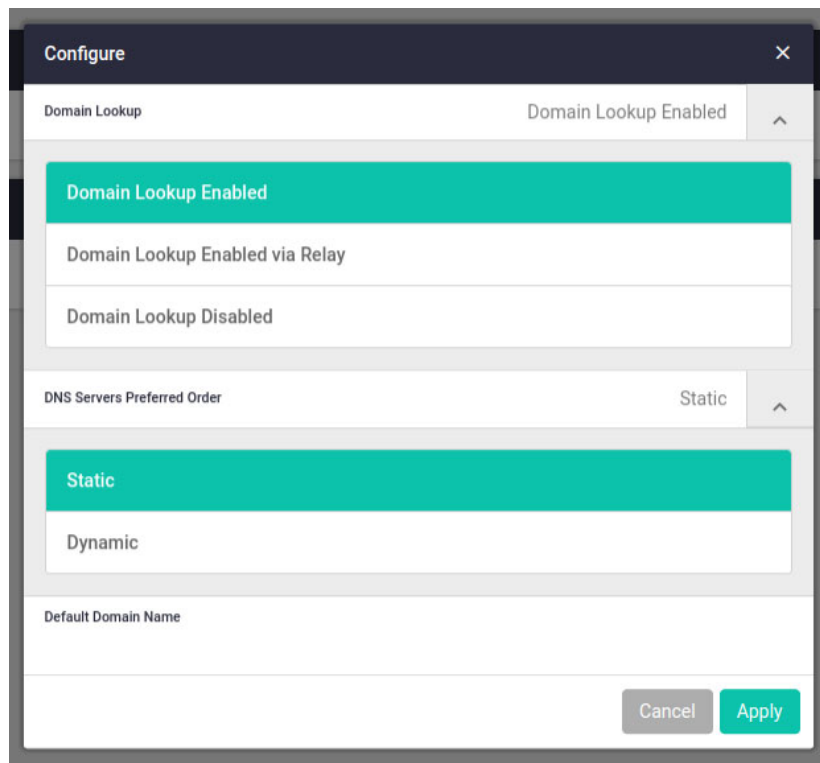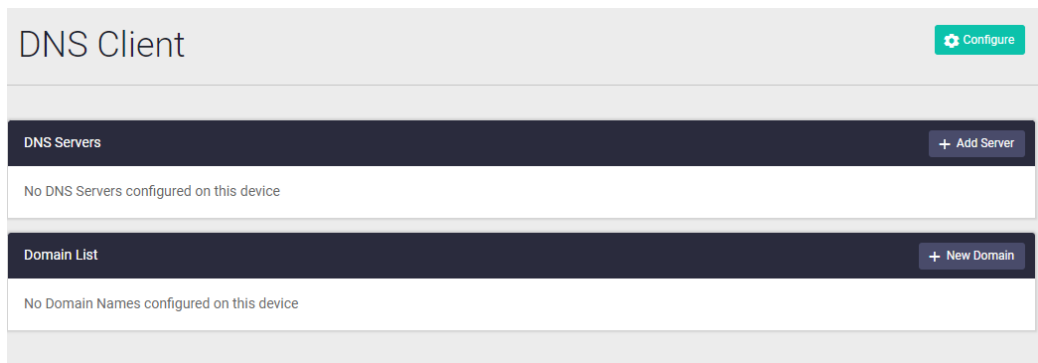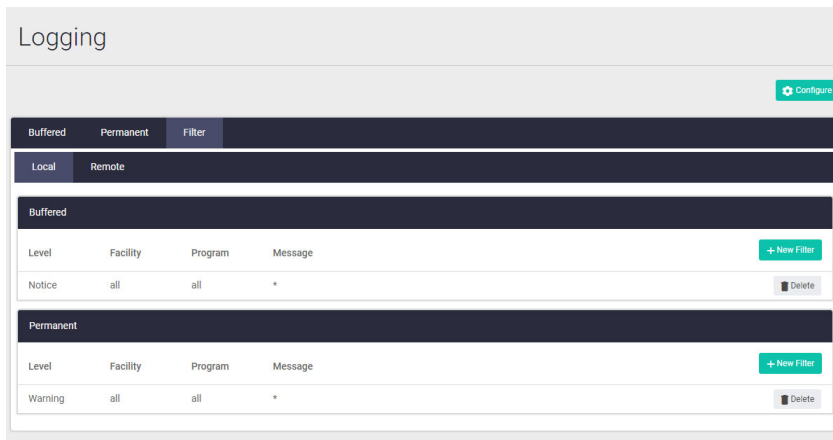
# Additional Logging support

*Available on: Devices running AlliedWare Plus 5.5.3-2.1 onwards*

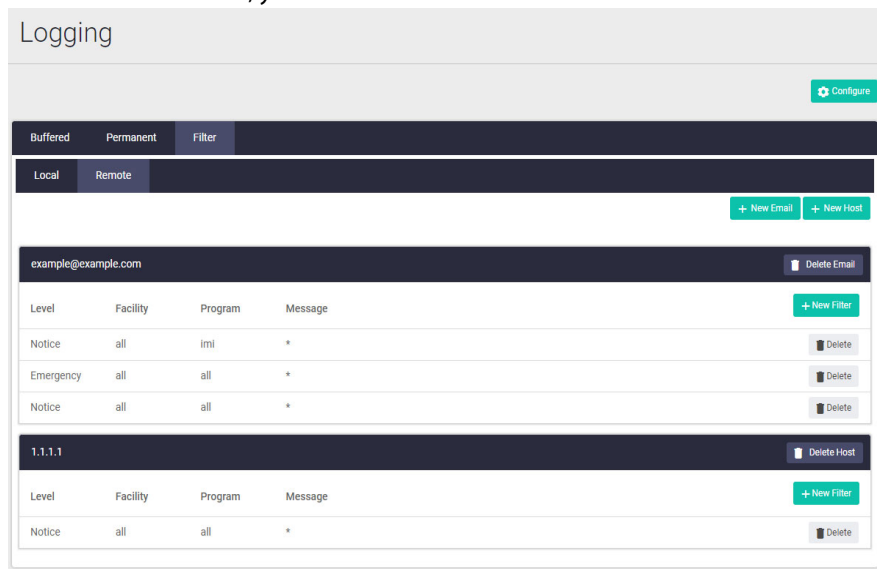From version 2.16.0 onwards, various changes have been made to the Logging page:

- The **Filters** tab has moved, and you can now configure filters on the main Logging page. From the Local tab, you can create filters for Buffered or Permanent logs.
- The **Configure** button on the Logging page now allows you to set a Date/Time format.
- The **Clear Log** button has moved to the Buffered and Permanent log tabs.

From the **Local** tab, you can add New Filters for Buffered and Permanent logs.



From the **Remote** tab, you can create filters for email addresses or hosts.

# Additional NTP Support

*Available on: Devices running AlliedWare Plus 5.5.3-2.1 onwards*

From version 2.16.0 onwards, you can configure NTP settings on the **Time** page. These additions include:

■ NTP relationships,

■ and NTP restrictions.
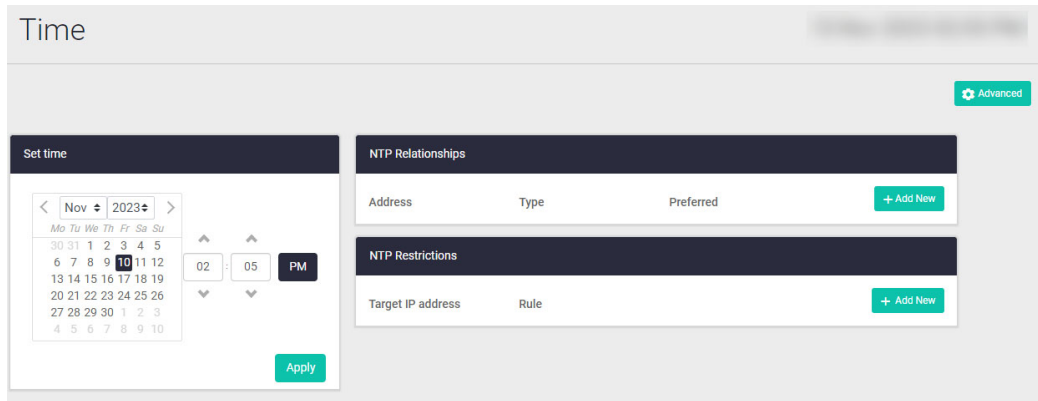


An NTP relationship is the way in which a device communicates NTP. You must configure relationships on each separate device, in order for the devices to communicate with each other.

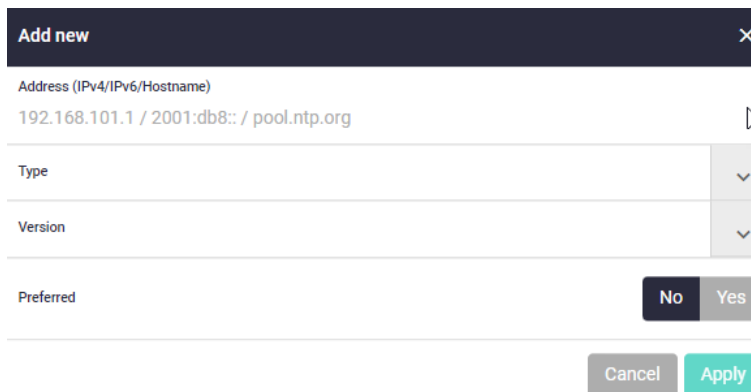To add an NTP relationship, click the **+ Add New** button next to the title.

■ It is recommended that you use more than one NTP server for redundancy.

You can then enter an address, type, version, and the preferred server.

You can set an NTP relationship type from the following categories:

■ Server - The address will act as an NTP Server and serve time to your device.

■ Peer - The addresses will be peers (they will sync NTP information).

■ Pool - NTP will be served from a pool (such as pool.ntp.org).
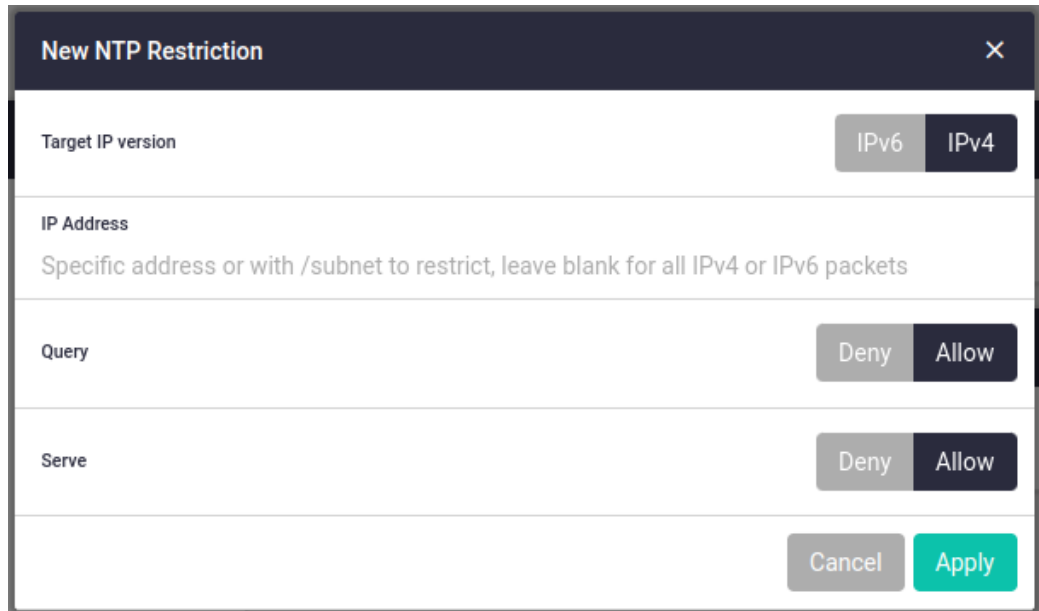
The NTP version can be set from 1-4

An NTP restriction denies or allows NTP to send queries or serve network time stamps to the target IP.

To add an NTP restriction, click the **+ Add New** button next to the title.

- You can allow or deny specific IPs from being able to query or serve network time information, in order to secure your network from a malicious IP.

# SSH Support

*Available on: Devices running AlliedWare Plus 5.5.3-2.1 onwards*

From version 2.16.0 onwards, you can access the SSH section from the **System** menu. Toggle SSH access to this device on or off by using the slider.

You can allow or deny specific users using the table.
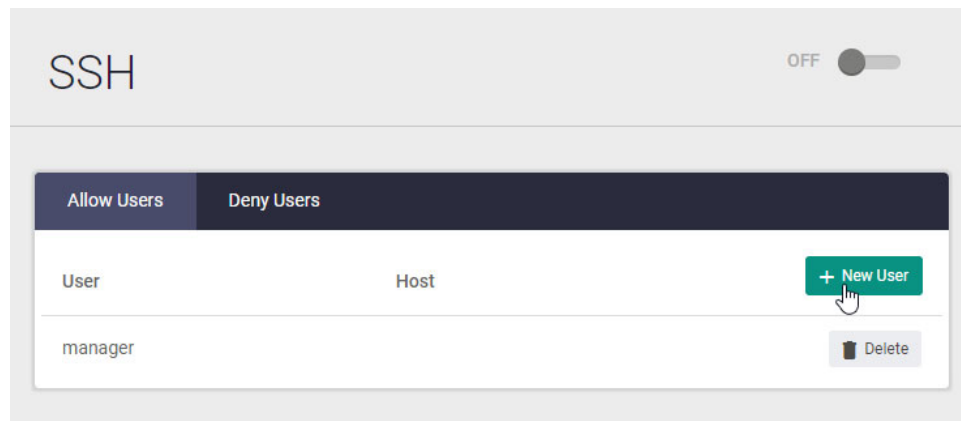


To either allow or deny specific users, navigate to the specific tab and then click **+ New User** button.

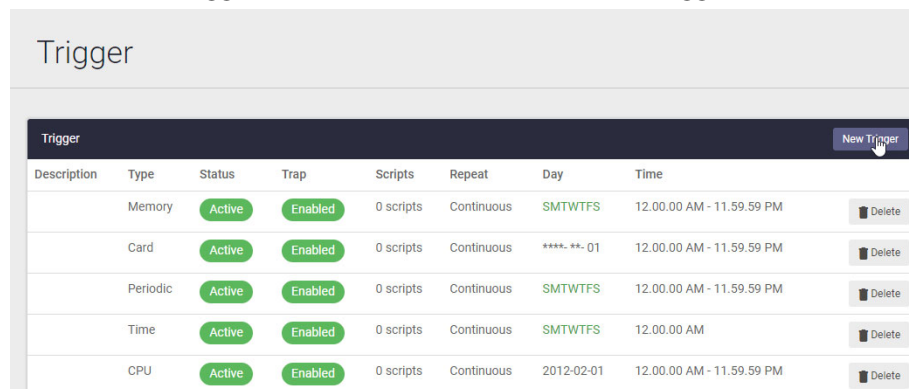You can enter a user and host pattern.

# Triggers Support

*Available on: Devices running AlliedWare Plus 5.5.3-2.1 onwards*

From version 2.16.0 onwards, you can create triggers through the Device GUI.

When you create a trigger, you can fill out different fields depending on the type of trigger you select.

- You cannot edit an existing trigger. Instead, please delete and re-create a new trigger.

- To create a trigger, click the **New Trigger** button.

- To delete a trigger, click the **Delete** button next to the trigger.



### Type

Select the type of trigger you would like. What you can configure in the Direction/Event section depends on the type of trigger you have selected.

For example, you can select a percentage for CPU, a port for Interface, a stack event based on a member joining or leaving for Stack Member, etc.

### Description

You can add a description to help identify a trigger. This is useful if there are a lot of triggers in the list.

### Direction/Event

Either Up or Down. This may change depending on what trigger type you have selected.

### Active Days

Depending on if you select Daily or custom from the Date/Time section, different options will display.

- Daily - you can select any of the days you would like the trigger to activate.

- Custom - you can set a custom day/month/year setting.

For the Time category, you can select the time the trigger should be active between.

**Scripts**

In this section you can add a script to run when the trigger activates.

**Repeat**

You can select the times that a trigger is repeated by toggling the repeat button.

**Toggles**

The following toggles are available to configure at the end of the Create Trigger dialogue. They can be enabled or disabled.

■ Active - Turns the trigger on or off.

■ Test Mode - enable/disable the trigger to operate in diagnostic mode.
In this mode the trigger may activate, but when it does it will not run any of the trigger's scripts.

■ Trap - enable/disable the ability to send SNMP traps.

# TQ6702e GEN2 supported on Vista Mini

*Available on: TQ6702e GEN2 running AlliedWare Plus 5.5.3-2.1 onwards*

From version 2.16.0 onwards, support has been added for TQ6702e GEN2 with Vista Manager Mini in the Device GUI.

This means you can now create networks with, and AP profiles for TQ6702e GEN2 using Vista Manager Mini.

■ You can add an AP profile through the Device GUI by clicking on the Vista Manager mini tab on the sidebar menu.

■ Then select Wireless > Wireless Setup.

■ Click on the Access Points tab to view AP settings.

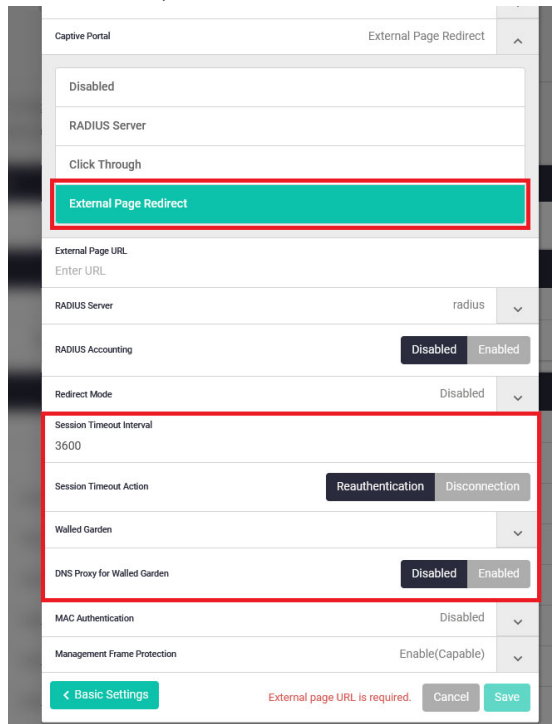# Additional features for TQ6702 GEN2-R wireless router

*Available on: TQ6702 GEN2-R running AlliedWare Plus 5.5.3-2.1 onwards*

From version 2.16.0 onwards, a variety of features are now supported on the TQ6702 GEN2-R wireless AP router's Device GUI.

These include:

Captive portal

- External Page Redirect

- Walled Garden (including DNS Proxy)

- Reauth Timer

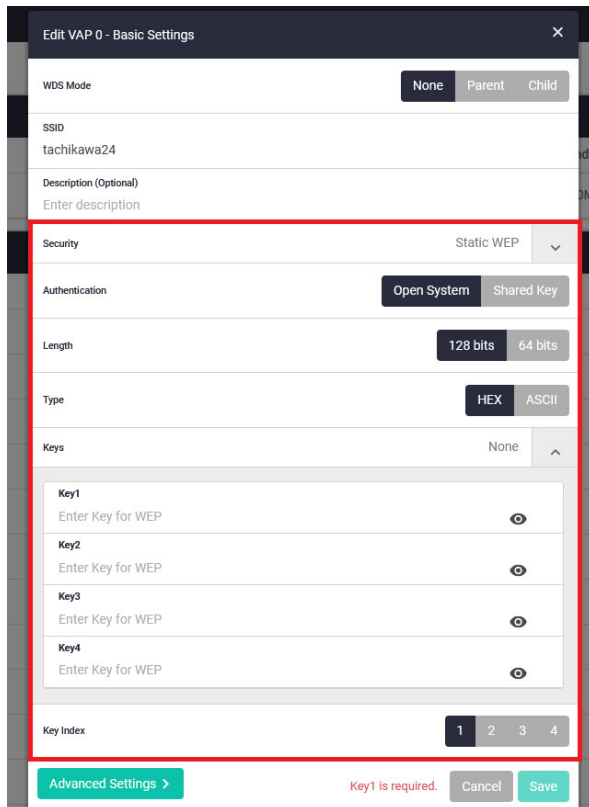- Secondary RADIUS server for authentication



Security

- WEP support

Caution: Only use WEP if you can't use WPA Personal, WPA Enterprise, or WPA3.

Open System and Shared Key options. Open System is the default.

Requirements for setting up WEP:

- radio 1 (2.4GHz) is set to 802.11bg

- radio 2 (5GHz) is set to 802.11a

- Only VAP0 can be set up.

- Note that you cannot use WEP with Channel Blanket on this AP

# Vista Mini supports Passpoint on TQ6000 GEN2 series devices

*Available on: TQ6000 GEN2 series APs running AlliedWare Plus 5.5.3-2.1 onwards*

■ From version 2.16 onwards, you can configure passpoint through the Vista Mini (AWC-Lite) feature on the Device GUI for the following versions:

■ TQ6702 GEN2

■ TQm6702 GEN2

■ TQ6602 GEN2
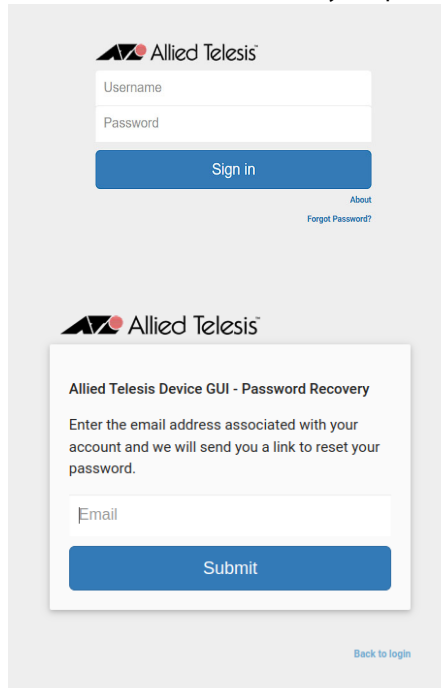
■ TQm6602 GEN2

■ TQ6702e GEN2

# Password Recovery

*Available on: AR4000S-Cloud and UTM Firewalls running AlliedWare Plus 5.5.3-2.1 onwards*

From version 2.16.0 onwards, you can recover your password using the Forgot Password link from the GUI log-in screen.

- Note that SMTP must be configured to use password recovery.

- If you do not initially receive the password recovery email, please check your spam folder.

Once you click **Forgot Password**, you can enter the email associated with the user profile of your device to send a link to reset your password.



To configure an email to be used in the event that you forget your password, you can add it in the Email field of the **User Management** page by selecting **Edit Email**.

When you create a new user, you can enter an email for password recovery in the Email section.
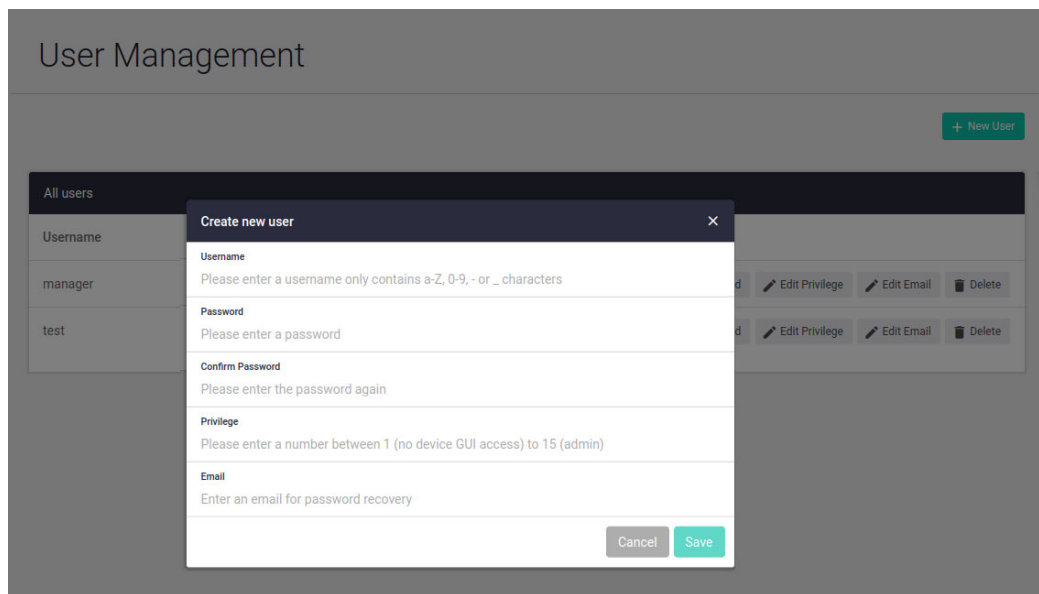
To configure an SMTP Server, go to the SMTP Server page from the Network Services tab on the side menu. You can click the Configure to set up the SMTP server for the password recovery feature.
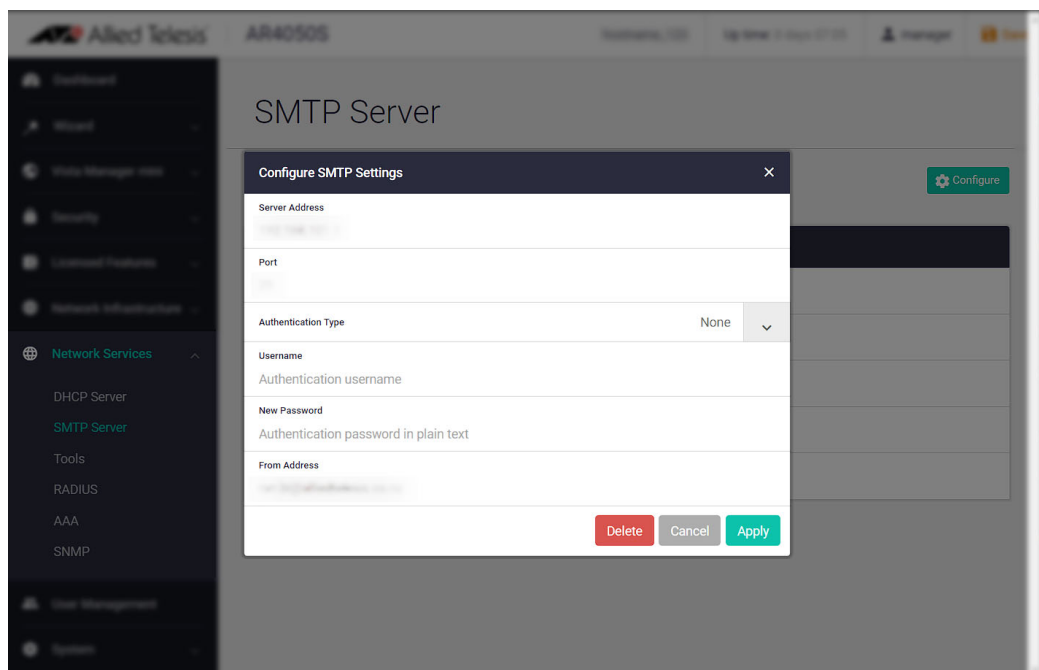


- The 'From' email is the email the SMTP server sends from.
- For security, it is best practice to make this a different email that you are sending the password reset to.

# Accessing and Updating the Web-based GUI

This section describes how to access the GUI, check the version, and update it.

**Important Note:** Very old browsers may not be able to access the Device GUI. From AlliedWare Plus version 5.5.2-2.1 onwards, to improve the security of the communication for the Device GUI, ciphersuites which use RSA or CBC based algorithms have been disabled, as they are no longer considered secure. Note that the removal of ciphersuites using those algorithms may prevent some old versions of browsers from communicating with the device using HTTPS.

## Browse to the GUI

Perform the following steps to browse to the GUI.

1.  If you haven't already, add an IP address to an interface. For example:

    ```
    awplus> enable
    awplus# configure terminal
    awplus(config)# interface vlan1
    awplus(config-if)# ip address 192.168.1.1/24
    ```

    Alternatively, on unconfigured devices you can use the default address, which is:

    «   on switches: 169.254.42.42

    «   on AR-Series: 192.168.1.1

2.  Open a web browser and browse to the IP address from step 1.

3.  The GUI starts up and displays a login screen. Log in with your username and password. The default username is *manager* and the default password is *friend*.

## Check the GUI version

To see which version you have, open the System > About page in the GUI and check the field called **GUI version**.

If you have an earlier version than 2.16.0, update it as described in or .

# Update the GUI on switches

Perform the following steps through the Device GUI and command-line interface if you have been running an earlier version of the GUI and need to update it.

1. Obtain the GUI file from our Software Download center. The filename for v2.16.0 of the GUI is:

   « awplus-gui_553_31.gui

   « awplus-gui_552_31.gui, or

   « awplus-gui_551_31.gui

   Make sure that the version string in the filename (e.g. 553) matches the version of AlliedWare Plus running on the switch. The file is not device-specific; the same file works on all devices.
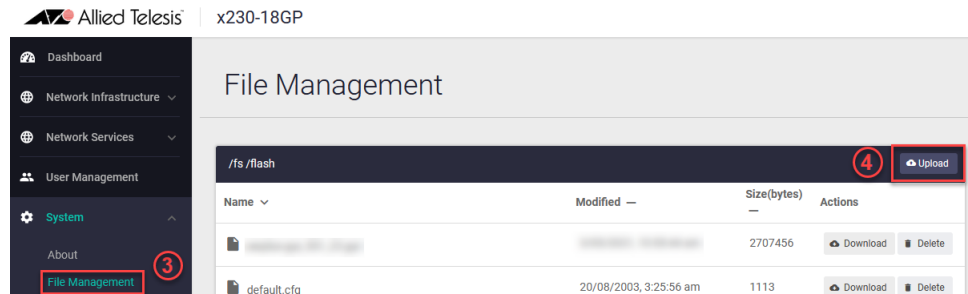
2. Log into the GUI:

   Start a browser and browse to the device's IP address, using HTTPS. You can access the GUI via any reachable IP address on any interface.

   The GUI starts up and displays a login screen. Log in with your username and password.

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

3. Go to **System** > **File Management**

4. Click **Upload**.



5. Locate and select the GUI file you downloaded from our Software Download center. The new GUI file is added to the **File Management** window.

   You can delete older GUI files, but you do not have to.

6. Reboot the switch. Or alternatively, use a Serial console connection or SSH to access the CLI, then use the following commands to stop and restart the HTTP service:

```
awplus> enable
awplus# configure terminal
awplus(config)# no service http
awplus(config)# service http
```

   To confirm that the correct file is now in use, use the commands:

```
awplus(config)# exit
awplus# show http
```

# Update the GUI on AR-Series devices

**Prerequisite:** On AR-Series devices, if the firewall is enabled, you need to create a firewall rule to permit traffic generated by the device that is destined for external services. See the "Configuring a Firewall Rule for Required External Services" section in the Firewall and Network Address Translation (NAT) Feature Overview and Configuration Guide.

Perform the following steps through the command-line interface if you have been running an earlier version of the GUI and need to update it.

1. Use a Serial console connection or SSH to access the CLI, then use the following commands to download the new GUI:

   ```
   awplus> enable
   awplus# update webgui now
   ```

Perform the following steps if you have been running an earlier version of the GUI and need to update it.

1. Use a Serial console connection or SSH to access the CLI, then use the following commands to download the new GUI:

   ```
   awplus> enable
   awplus# update webgui now
   ```

2. Browse to the GUI and check that you have the latest version now, on the **System** > **About** page. You should have v2.16.0 or later.