

Manage the Configuration Files on the WAP125 or WAP581 Access Point

Introduction

A Wireless Access Point (WAP) configuration file contains all the information about the WAP. Configuration files are created in XML format. There are three different configuration files of a WAP:

- Startup Configuration — This file is the primary configuration file and is stored on the flash memory of the WAP.
- Backup Configuration — The backup configuration is an additional file stored on the WAP and is used as a backup.
- Mirror Configuration — If the startup configuration file is not modified for 24 hours, it is saved as a mirror configuration, which is preserved across factory resets. This file is a snapshot of a past startup configuration, and can be used to recover settings after a factory reset.

These files can be backed up to your computer or downloaded onto the WAP to update the settings. Configuration files can also be copied to different files, or can be deleted.

In this scenario, the configuration files are going to be downloaded then backed up via Trivial File Transfer Protocol (TFTP) from a TFTP server with an IP address of 192.168.101.101. This article also shows steps on how to download and back up the files via Hyper Text Transfer Protocol (HTTP) and Hyper Text Transfer Protocol Secure (HTTPS), in case these methods are required to be used.

Objective

The objective of this document is to provide instructions on how to manage configuration files on your WAP by downloading, backing up, copying, and deleting a configuration file.

Applicable Devices

- WAP125
- WAP581

Software Version

- 1.0.0.5 — WAP125
- 1.0.0.4 — WAP581

Manage Configuration Files

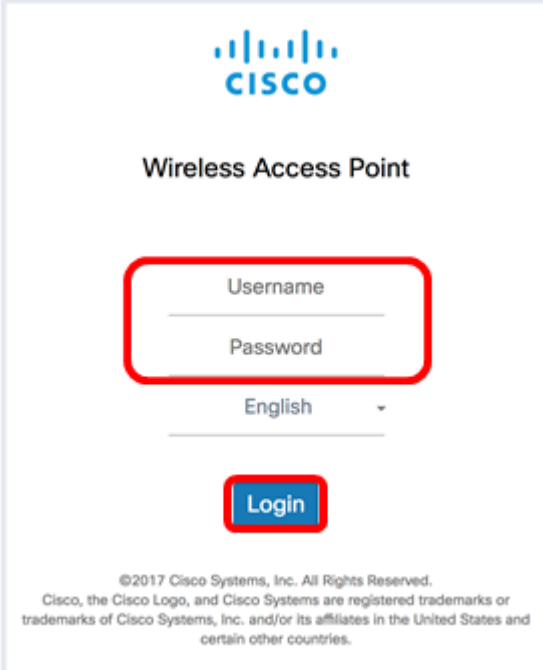
Download Backup Configuration File via TFTP

Note: Images may vary depending on the model of your WAP. The images below are taken

from the WAP125.

Download Configuration File

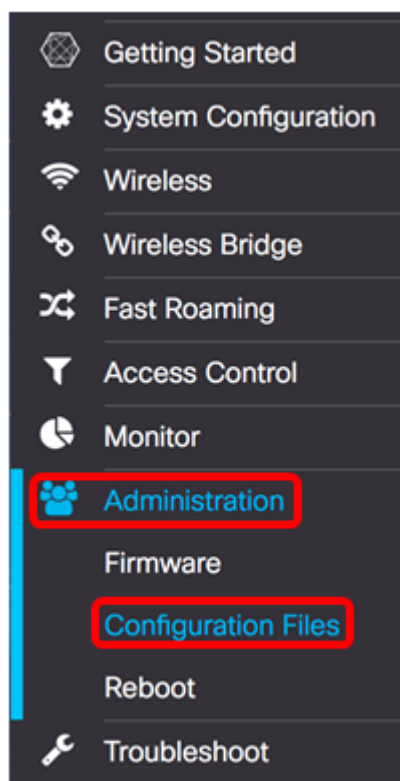
Step 1. Log in to the access point web-based utility by entering your Username and Password in the fields provided and then click **Login**.



The image shows the login page for a Cisco Wireless Access Point. At the top is the Cisco logo. Below it, the text "Wireless Access Point" is centered. There are three input fields: "Username", "Password", and "English" (a dropdown menu). A blue "Login" button is positioned below the fields. A red rectangular box highlights the "Username" and "Password" fields. At the bottom, there is a copyright notice: "©2017 Cisco Systems, Inc. All Rights Reserved. Cisco, the Cisco Logo, and Cisco Systems are registered trademarks or trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries."

Note: The default username/password is cisco/cisco.

Step 2. Choose **Administration > Configuration Files**.



Step 3. Click the **Download/Backup** right button.

Configuration Files

Download/Backup ▾

Copy ▸

Clear ▸

Download/Backup ▾

Transfer Method:

- Via TFTP
 Via HTTP/HTTPS

Transfer From:

PC to Access Point ▾ Using: Startup Configuration ▾

Configuration Filename:

(1 to 32 Characters)

TFTP Server IPv4 Address:

(xxx.xxx.xxx.xxx)

Save

Copy ▸

Clear ▸

Step 4. In the *Transfer Method* area, click the **Via TFTP** radio button to select the protocol to be used when downloading/backing up the configuration file.

Download/Backup ▾

Transfer Method:

- Via TFTP
 Via HTTP/HTTPS

Transfer From:

PC to Access Point ▾ Using: Startup Configuration ▾

Configuration Filename:

(1 to 32 Characters)

TFTP Server IPv4 Address:

(xxx.xxx.xxx.xxx)

Save

Copy ▸

Clear ▸

Step 5. In the *Transfer From* drop-down list, choose **PC to Access Point** radio button to download the configuration file from the computer to the Access Point.

Download/Backup ▾

Transfer Method: Via TFTP
 Via HTTP/HTTPS

Transfer From: ✓ PC to Access Point Access Point to PC Using: Startup Configuration ▾

Configuration Filename: (1 to 32 Characters)

TFTP Server IPv4 Address: (xxx.xxx.xxx.xxx)

Step 6. From the Using drop-down list, choose a configuration file to transfer. The options are:

- Startup Configuration — This file is the primary configuration file and is stored on the flash memory of the WAP. The downloaded file will be saved as the startup configuration file. The existing startup configuration file will be overwritten.
- Backup Configuration —The backup configuration is an additional file stored on the WAP and is used as a backup. The downloaded file will be saved as the backup configuration file. The existing backup configuration file will be overwritten.

Note: In this example, Startup Configuration is chosen.

Download/Backup ▾

Transfer Method: Via TFTP
 Via HTTP/HTTPS

Transfer From: PC to Access Point ▾ Using: ✓ Startup Configuration Backup Configuration

Configuration Filename: (1 to 32 Characters)

TFTP Server IPv4 Address: (xxx.xxx.xxx.xxx)

Step 7. Enter the file name of the configuration file in the *Configuration Filename* field.

Note: The file name can be one to 32 characters long but cannot contain special characters and spaces. For this example, config.xml is used.

Download/Backup ▾

Transfer Method: Via TFTP
 Via HTTP/HTTPS

Transfer From: PC to Access Point ▾ Using: Startup Configuration ▾

Configuration Filename: config.xml (1 to 32 Characters)

TFTP Server IPv4 Address: (xxx.xxx.xxx.xxx)

Step 8. Enter the TFTP server IP address in the *TFTP Server IPv4 Address* field.

Note: For this example, 192.168.101.101 is used.

Download/Backup ▾

Transfer Method: Via TFTP
 Via HTTP/HTTPS

Transfer From: PC to Access Point ▾ Using: Startup Configuration ▾

Configuration Filename: config.xml (1 to 32 Characters)

TFTP Server IPv4 Address: 192.168.101.101 (xxx.xxx.xxx.xxx)

Save

Step 9. Click **Save**.

Download/Backup ▾

Transfer Method: Via TFTP
 Via HTTP/HTTPS

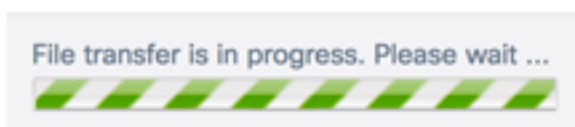
Transfer From: PC to Access Point ▾ Using: Startup Configuration ▾

Configuration Filename: config.xml (1 to 32 Characters)

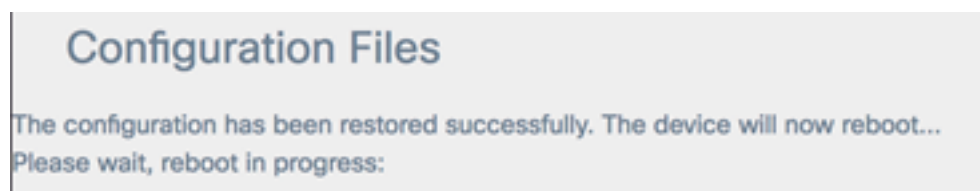
TFTP Server IPv4 Address: 192.168.101.101 (xxx.xxx.xxx.xxx)

Save

Step 10. A progress bar appears. Wait and do not navigate away from the page.



Step 11. A message appears informing you that the configuration has been restored successfully and that the WAP will now reboot. Wait until the reboot is complete.



You should now have downloaded a configuration file via TFTP.

Backup Configuration File

Step 1. In the Transfer From drop-down list, choose **Access Point to PC**.

Download/Backup ▾

Transfer Method: Via TFTP
 Via HTTP/HTTPS

Transfer From:
 Access Point to PC

Using:

Configuration Filename:
(1 to 32 Characters)

TFTP Server IPv4 Address:
(xxx.xxx.xxx.xxx)

Step 2. From the Using drop-down list, choose the corresponding configuration file you want to backup. The configuration files that can be backed up are **Startup Configuration** or **Mirror Configuration**.

Note: For this example, Startup Configuration is chosen.

Download/Backup ▾

Transfer Method: Via TFTP
 Via HTTP/HTTPS

Transfer From:

Using: Startup Configuration
 Mirror Configuration

Configuration Filename:
(1 to 32 Characters)

TFTP Server IPv4 Address:
(xxx.xxx.xxx.xxx)

Step 3. In the *Configuration Filename* field, enter the name of the configuration file.

Note: The file name can be one to 32 characters long but cannot contain special characters and spaces. For this example, config.xml is used.

Download/Backup ▾

Transfer Method: Via TFTP
 Via HTTP/HTTPS

Transfer From:

Using:

Configuration Filename:
(1 to 32 Characters)

TFTP Server IPv4 Address:
(xxx.xxx.xxx.xxx)

Step 4. Enter the TFTP server IP address in the *TFTP Server IPv4 Address* field.

Note: For this example, 192.168.101.101 is used.

Download/Backup ▾

Transfer Method: Via TFTP
 Via HTTP/HTTPS

Transfer From: Using:

Configuration Filename: (1 to 32 Characters)

TFTP Server IPv4 Address: (xxx.xxx.xxx.xxx)

Step 5. Click **Save**.

Download/Backup ▾

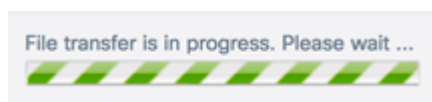
Transfer Method: Via TFTP
 Via HTTP/HTTPS

Transfer From: Using:

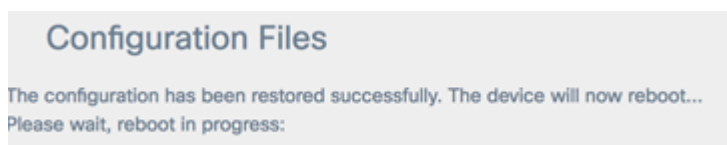
Configuration Filename: (1 to 32 Characters)

TFTP Server IPv4 Address: (xxx.xxx.xxx.xxx)

Step 6. A progress bar appears. Wait and do not navigate away from the page.



Step 7. A message appears informing you that the configuration has been restored successfully and that the WAP will now reboot. Wait until the reboot is complete.



You should now have backed up the configuration file via TFTP.

Download/Backup Configuration File via HTTP/HTTPS

Download Configuration File

Step 1. In the Transfer Method area, click the **Via HTTP/HTTPS** radio button to transfer files through your web browser.

Download/Backup ▾

Transfer Method: Via TFTP Via HTTP/HTTPS

Transfer From: Using:

Configuration Filename: No file selected.

TFTP Server IPv4 Address: (xxx.xxx.xxx.xxx)

Step 2. In the Transfer From drop-down list, choose **PC to Access Point** radio button to download the configuration file from the computer to the Access Point.

Download/Backup ▾

Transfer Method: Via TFTP Via HTTP/HTTPS

Transfer From: Using:

Configuration Filename: No file selected.

TFTP Server IPv4 Address: (xxx.xxx.xxx.xxx)

Step 3. From the Using drop-down list, choose a configuration file to transfer. The options are:

- Startup Configuration — This file is the primary configuration file and is stored on the flash memory of the WAP. The downloaded file will be saved as the startup configuration file. The existing startup configuration file will be overwritten.
- Backup Configuration — The backup configuration is an additional file stored on the WAP and is used as a backup. The downloaded file will be saved as the backup configuration file. The existing backup configuration file will be overwritten.

Note: In this example, Startup Configuration is chosen.

Download/Backup ▾

Transfer Method: Via TFTP Via HTTP/HTTPS

Transfer From: Using:

Configuration Filename: No file selected.

TFTP Server IPv4 Address: (xxx.xxx.xxx.xxx)

Step 4. In the Configuration Filename area, click **Browse...** and locate the file and select the configuration file on your computer.

Note: TFTP Server IPv4 Address field is greyed out if Via HTTP/HTTPS option is selected. For this example, config.xml is used.

Download/Backup ▾

Transfer Method: Via TFTP Via HTTP/HTTPS

Transfer From: PC to Access Point ▾ Using: Startup Configuration ▾

Configuration Filename: config.xml

TFTP Server IPv4 Address: (xxx.xxx.xxx.xxx)

Step 5. Click **Save**.

Download/Backup ▾

Transfer Method: Via TFTP Via HTTP/HTTPS

Transfer From: PC to Access Point ▾ Using: Startup Configuration ▾

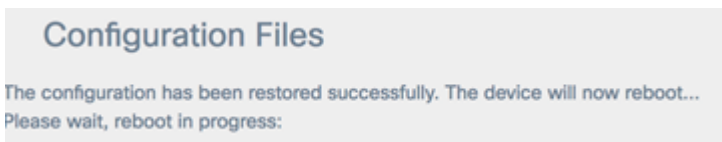
Configuration Filename: config.xml

TFTP Server IPv4 Address: (xxx.xxx.xxx.xxx)

Step 6. A progress bar appears. Wait and do not navigate away from the page.



Step 7. A message appears informing you that the configuration has been restored successfully and that the WAP will now reboot. Wait until the reboot is complete.



You have now downloaded a configuration file to your WAP via HTTP/HTTPS.

Backup Configuration File

Step 1. Click the **Via HTTP/HTTPS** radio button.

Download/Backup ▾

Transfer Method: Via TFTP Via HTTP/HTTPS

Transfer From: PC to Access Point Using: Startup Configuration ▾

Configuration Filename: No file selected.

TFTP Server IPv4 Address: (xxx.xxx.xxx.xxx)

Step 2. In the Transfer From drop-down list, choose **Access Point to PC**.

Download/Backup ▾

Transfer Method: Via TFTP Via HTTP/HTTPS

Transfer From: Using: Startup Configuration ▾

TFTP Server IPv4 Address: (xxx.xxx.xxx.xxx)

Step 3. From the Using drop-down list, choose the corresponding configuration file you want to backup. The configuration files that can be backed up are Startup Configuration or Mirror Configuration.

Note: In this example, Startup Configuration is chosen.

Download/Backup ▾

Transfer Method: Via TFTP Via HTTP/HTTPS

Transfer From: Using:

TFTP Server IPv4 Address: (xxx.xxx.xxx.xxx)

Step 4. Click **Save**.

Download/Backup ▾

Transfer Method: Via TFTP Via HTTP/HTTPS

Transfer From: Using:

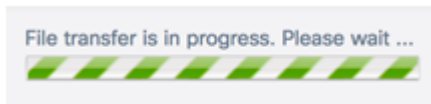
TFTP Server IPv4 Address: (xxx.xxx.xxx.xxx)

Save

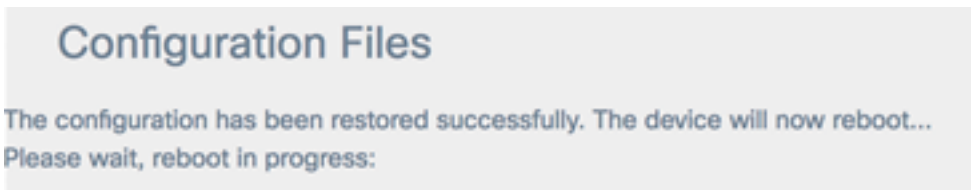
Step 5. The configuration file will download through your browser. Check your web browser download history to check the file.



Step 6. A progress bar appears. Wait and do not navigate away from the page.



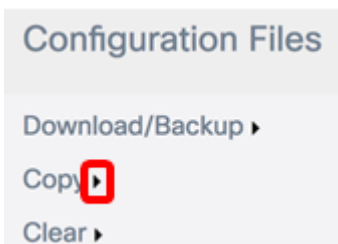
Step 7. A message appears informing you that the configuration has been restored successfully and that the WAP will now reboot. Wait until the reboot is complete.



You should now have backed up your configuration file via HTTP/HTTPS.

Copy a Configuration File

Step 1. Scroll to the Copy area and click the right arrow.



Step 2. From the Copy From drop-down list, choose a configuration file you want to copy. You can select the **Startup Configuration**, **Backup Configuration**, or **Mirror Configuration** files.

Note: For this example, Startup Configuration is chosen.

Copy ▾

Copy From: Startup Configuration
Backup Configuration
Mirror Configuration

To: Startup Configuration ▾

Save

Step 3. From the To drop-down list, choose the configuration file type that will be replaced by the file you are copying. You can select either the Startup Configuration or Backup Configuration file.

Note: For this example, Backup Configuration is used.

Copy ▾

Copy From: Startup Configuration ▾

To: Backup Configuration
Startup Configuration

Save

Step 4. Click **Save**.

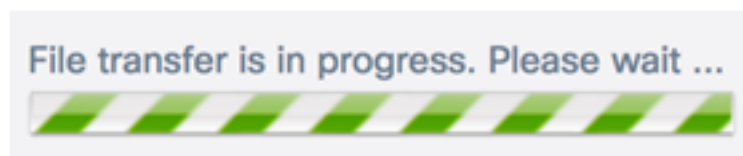
Copy ▾

Copy From: Startup Configuration ▾

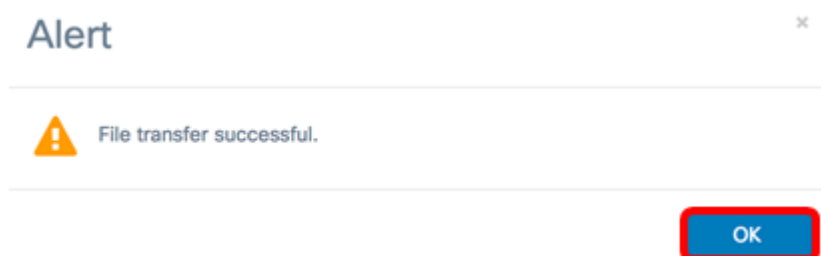
To: Backup Configuration ▾

Save

Step 5. A progress bar appears. Wait and do not navigate away from the page.



Step 6. An Alert window will appear to inform you that the transfer is successful. Click **OK** to continue.



You should now have copied or saved a configuration file.


Delete a Configuration File

Step 1. Scroll to the Clear area and click the right arrow.

Configuration Files

Download/Backup ▶

Copy ▶

Clear 

Step 2. Check the check boxes corresponding to any configuration file you want to delete. The Configuration File Table will display any existing configuration files saved on the WAP, along with the date and time they were created.

Note: If all of the configuration files are checked to be deleted, the WAP will be reset to its factory default settings. In this example, Startup Configuration is chosen.

Clear ▼

	Configuration File Name	Creation Time
<input checked="" type="checkbox"/>	Startup Configuration	Jun 14,2017 11:08:07
<input type="checkbox"/>	Backup Configuration	Jun 14,2017 15:05:56

Clear Files

Step 3. Click **Clear Files**.

Clear ▼

	Configuration File Name	Creation Time
<input checked="" type="checkbox"/>	Startup Configuration	Jun 14,2017 11:08:07
<input type="checkbox"/>	Backup Configuration	Jun 14,2017 15:05:56

Clear Files

Step 4. A pop-up window will appear to confirm that deleting a configuration file cannot be undone. Click **OK** to delete the selected file.

Confirm

×



This operation cannot be undone. Are you sure you want to delete the configuration files?

OK

cancel

Step 5. A pop-up window will appear indicating the deletion was successful. Click **OK** to continue.

Alert

×



Startup Configuration had been deleted.

OK

You should now have deleted a configuration file.