

Backup and Restore the Primary AP Configuration on Cisco Business Wireless

Objective

The objective of this article is to show the necessary steps to back up and restore the configuration of the Primary Access Point (AP) when using Cisco Business Wireless (CBW) APs.

Applicable Devices | Software Version

140AC ([Data Sheet](#)) | 10.3.1.0 ([Download latest](#))

145AC ([Data Sheet](#)) | 10.3.1.0 ([Download latest](#))

240AC ([Data Sheet](#)) | 10.3.1.0 ([Download latest](#))

Introduction

CBW has a new feature available on version 10.3.1.0 and above, that allows you to export and import the Primary AP configuration on the Web User Interface (UI).

This configuration file contains all the information about the Primary AP including radio, mesh, and location settings. Configuration files are created in XML format.

This is useful to have when you have to perform a factory reset. If you have the configuration file you can upload it instead of having to reconfigure the Primary AP from scratch. Another instance that a configuration file would be useful is if you want the same configurations set on a new Primary AP.

If you do not have the latest version of software for your AP, you will need to do this before you begin. You cannot perform these steps without the update. If you need assistance, check out [Update Software of a Cisco Business Wireless Access Point](#).

If you are unfamiliar with terms in this document, click on [Cisco Business: Glossary of New Terms](#).

Log into the Primary AP

Step 1

Using a computer on your network, log into the Web UI of your Primary AP by entering **https://[IP address of your Primary AP]** in the search bar. Be sure to use *https://* as a prefix or you will not have access. In this example, *https://192.168.1.124* was used but yours will vary. If you are having problems with access, you can try another web browser.

A screenshot of a web browser's address bar. It shows navigation icons (back, forward, refresh) on the left, followed by a globe icon and the URL "https://192.168.1.124". The URL is highlighted with a blue underline.

Step 2 (Optional)

If you don't have a security certificate, you may see a pop-up with a warning. This warning may look different depending on your web browser. Click to advance and proceed.



Your connection is not private

Attackers might be trying to steal your information from **192.168.1.124** (for example, passwords, messages, or credit cards). [Learn more](#)

NET::ERR_CERT_AUTHORITY_INVALID

Help improve security on the web for everyone by sending [URLs of some pages you visit, limited system information, and some page content](#) to Google. [Privacy policy](#)

Advanced

Back to safety

There may be a second pop-up to click to proceed.



Your connection is not private

Attackers might be trying to steal your information from **192.168.1.124** (for example, passwords, messages, or credit cards). [Learn more](#)

NET::ERR_CERT_AUTHORITY_INVALID

Help improve security on the web for everyone by sending [URLs of some pages you visit, limited system information, and some page content](#) to Google. [Privacy policy](#)

Hide advanced

Back to safety

This server could not prove that it is **192.168.1.124**; its security certificate is not trusted by your computer's operating system. This may be caused by a misconfiguration or an attacker intercepting your connection.

Proceed to 192.168.1.124 (unsafe)

Step 3

Click **Login**.



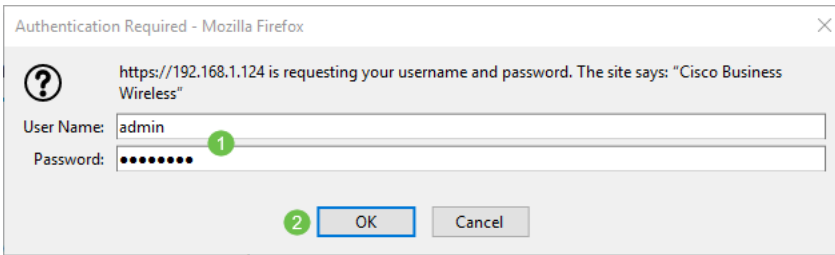
Cisco Business Wireless Access Point

Welcome! Please click the login button to enter your user name and password

Login

Step 4

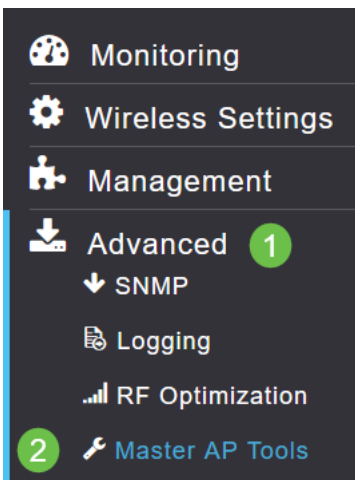
Enter your Username and Password. Click **OK**.



Download the Configuration File

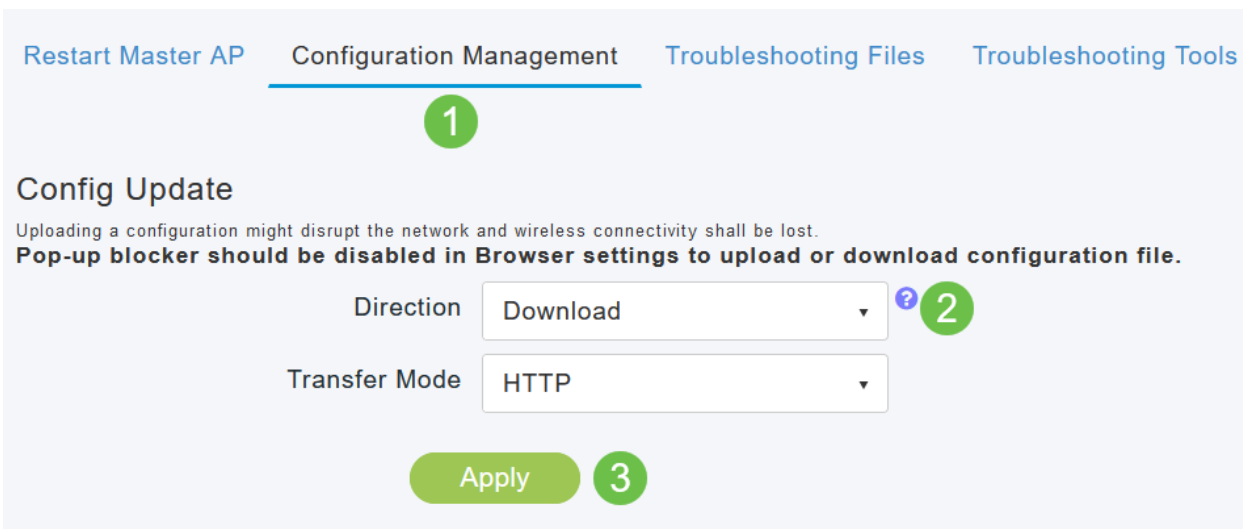
Step 1

Click **Advanced > Primary AP Tools**.



Step 2

Click on the **Configuration Management** tab. Click the *Direction* drop-down menu to select **Download**. Leave the Transfer Mode at HTTP. Click **Apply**.



Step 3

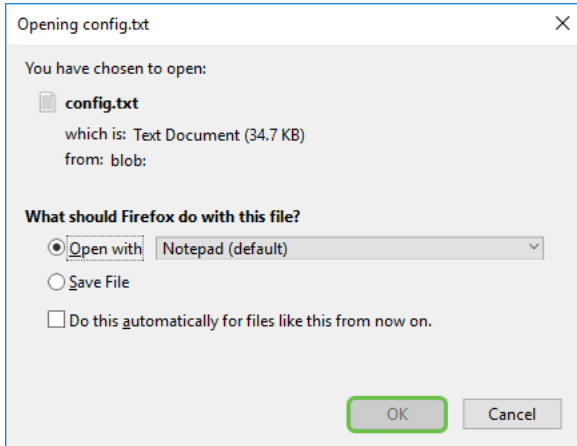
You will see a pop-up asking for a confirmation that you want to download the file. Click **Yes**.



Are you sure you want to download this file.?

Step 4

A pop-up window shows some options. In this example, we chose **Open with Notepad (default)**. Click **OK**. If you don't want to view before saving, you can select **Save File** and move on to the [Upload the Configuration](#) section of this article.



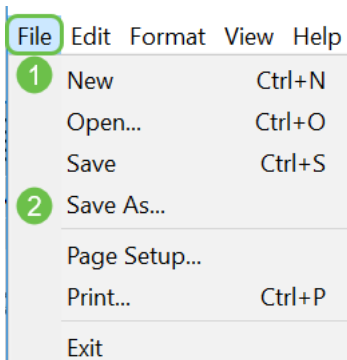
Step 5

This is an example of one section of a configuration file.

```
config.txt - Notepad
File Edit Format View Help
# WLC Config Begin <Fri Nov 13 09:34:09 2020>! Number of APs:
2! PID: CBW145AC-B, SN: FGL2418L84T ! Product Version:
10.3.1.0 !! ***** PORT SUMMARY
*****
!
! STP Admin Physical Physical Link Link
! Pr Type Stat Mode Mode Status Status Trap
POE
!
! -----
! 1 Normal Forw Enable Auto 1000 Full Up Enable
N/A !! ***** CDP NEIGHBOUR SUMMARY
*****
! Capability Codes: R - Router, T - Trans Bridge, B - Source
Route Bridge
!
! S - Switch, H - Host, I - IGMP, r -
Repeater,
!
! M - Remotely Managed Device
!
! Device ID Local Intrfce Holdtme Capability
Platform Port ID
! c47d4fece352 wired0 152 S I
SG200-50P gi5config location expiry tags 5 config macfilter
add 6c:71:0d:55:73:c4 0 0 CBW145AC-73c4 config macfilter add
6c:71:0d:55:5d:a4 0 0 141ACM config countries-list add US
config rf-profile data-rates 802.11a disabled 6 High-Client-
Density-802.11a config rf-profile data-rates 802.11a disabled
9 High-Client-Density-802.11a config rf-profile data-rates
802.11a mandatory 12 High-Client-Density-802.11a config rf-
profile data-rates 802.11a supported 18 High-Client-Density-
802.11a config rf-profile data-rates 802.11a mandatory 24
High-Client-Density-802.11a config rf-profile data-rates
802.11a supported 36 High-Client-Density-802.11a config rf-
profile data-rates 802.11a supported 48 High-Client-Density-
802.11a config rf-profile data-rates 802.11a supported 54
High-Client-Density-802.11a config rf-profile data-rates
```

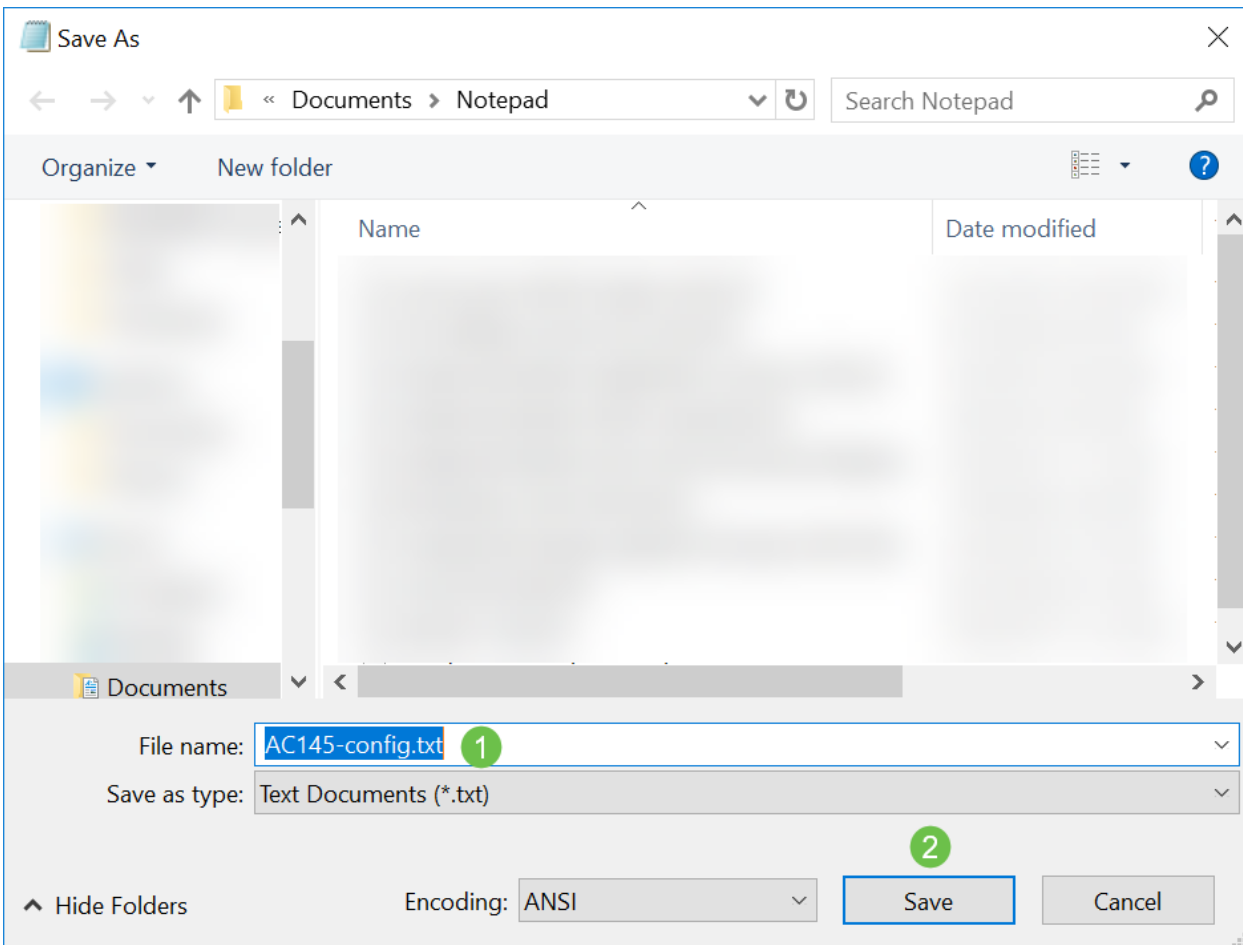
Step 6

Click **File** and then from the drop-down menu select **Save As....**



Step 7

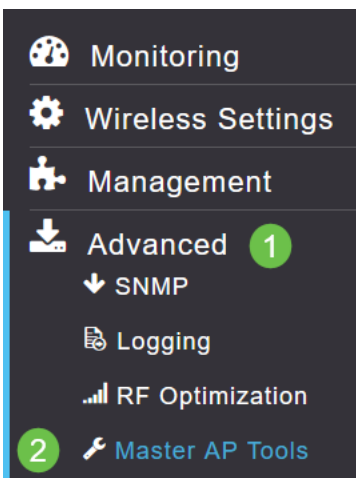
Enter a name for the configuration file. Click **Save**. Take note of the location of the file for upload.



Upload the Configuration File

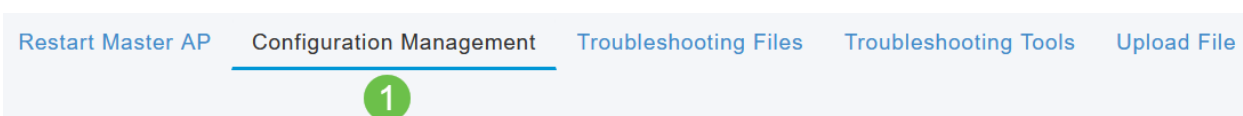
Step 1

Click **Advanced > Primary AP Tools**.



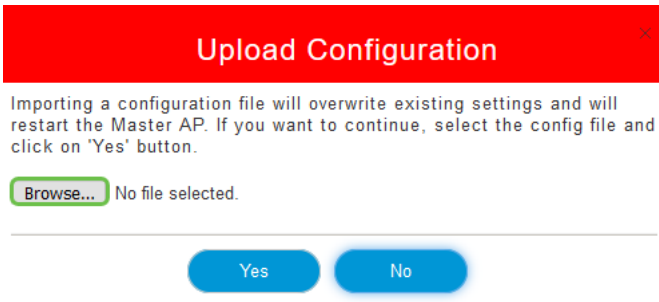
Step 2

Click on the **Configuration Management** tab. Click the *Direction* drop-down menu to select **Upload**. Leave the Transfer Mode at HTTP. Click **Apply**.



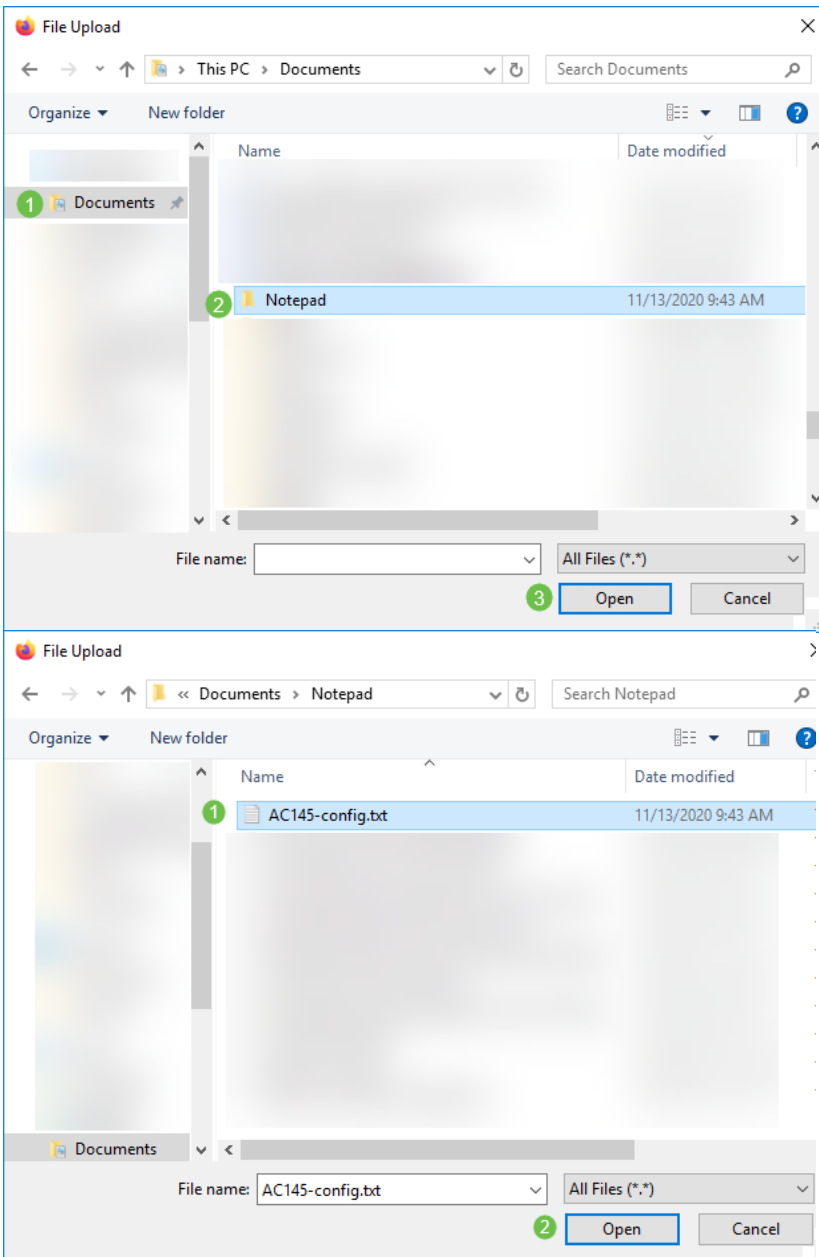
Step 3

You will see a pop-up asking for a confirmation that you want to download the file. Click **Yes**.



Step 4

Navigate to the configuration file that you downloaded in the first section. Click **Open**.



Step 5

You will receive a pop-up asking for confirmation with a warning that importing a configuration file will overwrite the existing settings and will restart the Primary AP. Click **Yes**.

Upload Configuration

Importing a configuration file will overwrite existing settings and will restart the Master AP. If you want to continue, select the config file and click on 'Yes' button.

AC145-config.txt

Yes

No

Step 6

You will receive updates at the top of the Web UI starting with the one shown below.

[HTTP receive complete... updating configuration.](#)

Once you see the System being reset, the configuration has been uploaded and the AP is rebooting. Be patient, this can take up to ten minutes.

[System being reset.](#)

Step 7

Once the reboot is complete, you will be asked to log back into the Primary AP. Enter your credentials and click **OK**.

Authentication Required - Mozilla Firefox

https://192.168.1.124 is requesting your username and password. The site says: "Cisco Business Wireless"

User Name: admin

Password:

OK Cancel

Step 8

Click the **Save icon**.



Step 9

Click **OK**.

Are you sure you want to save configuration to flash so that on a reboot the Master AP retains the configuration?

OK

Cancel

Step 10

Click **Yes** to save configurations before restart. This will take up to 10 minutes.

Restart Master AP

Click 'Yes' to save configurations before restart or 'No' to proceed without saving configurations

Yes

No

Cancel

Conclusion

There you go, you now have the skills to download and upload configuration files. We recommend you backup your configuration files regularly as a best practice.

For more articles on Cisco Business Wireless topics, click on any of the following:

[New to Cisco Business: Equipment and Basic Network Glossary](#) [Intro to Mesh](#) [Mesh FAQ](#) [Cisco Business Wireless Model Decoder](#) [Reboot Tips](#) [Reset to Factory Default](#) [Day Zero:Configure Via App / Web](#) [Mobile App vs Web UI](#) [Best Practices for a Cisco Business Wireless Mesh Network](#) [Allow Lists](#) [Update Software](#) [Get Familiar with the CBW App](#) [Troubleshooting](#) [Time Settings](#) [Troubleshoot Red LED](#) [Bridge Group Names](#)