

# RF Optimization

## Objective

This article reviews the basic features of *RF Optimization*, via the web on Cisco Business Wireless 100 & 200 Series access points.

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

## Applicable Devices | Firmware Version

- 140AC ([Data Sheet](#)) | 10.4.1.0 ([Download latest](#))
- 145AC ([Data Sheet](#)) | 10.4.1.0 ([Download latest](#))
- 240AC ([Data Sheet](#)) | 10.4.1.0 ([Download latest](#))

## Why would I use RF Optimization?

As a shared medium, wireless signal may be competing to broadcast. Broader technology trends see the density of clients continuing to increase dramatically. The Cisco Business Wireless series of products includes a feature that manages this complexity for you.


## Getting to Primary AP Tools

This toggled section highlights tips for beginners.

### Logging In


Log into the Web User Interface (UI) of the Primary AP. To do this, open a web browser and enter <https://ciscobusiness.cisco.com> You may receive a warning before proceeding. Enter your credentials. You can also access the Primary AP by entering [https://\[ipaddress\]](https://[ipaddress]) (of the Primary AP) into a web browser.

### Tool Tips

If you have questions about a field in the user interface, check for a tool tip that looks like the following: 

### Trouble locating the Expand Main Menu icon?

Navigate to the menu on the left-hand side of the screen, if you don't see the menu button, click

this icon to open the side-bar menu. 

### Cisco Business App

These devices have companion apps that share some management features with the web user interface. Not all features in the Web user interface will be available in the App.

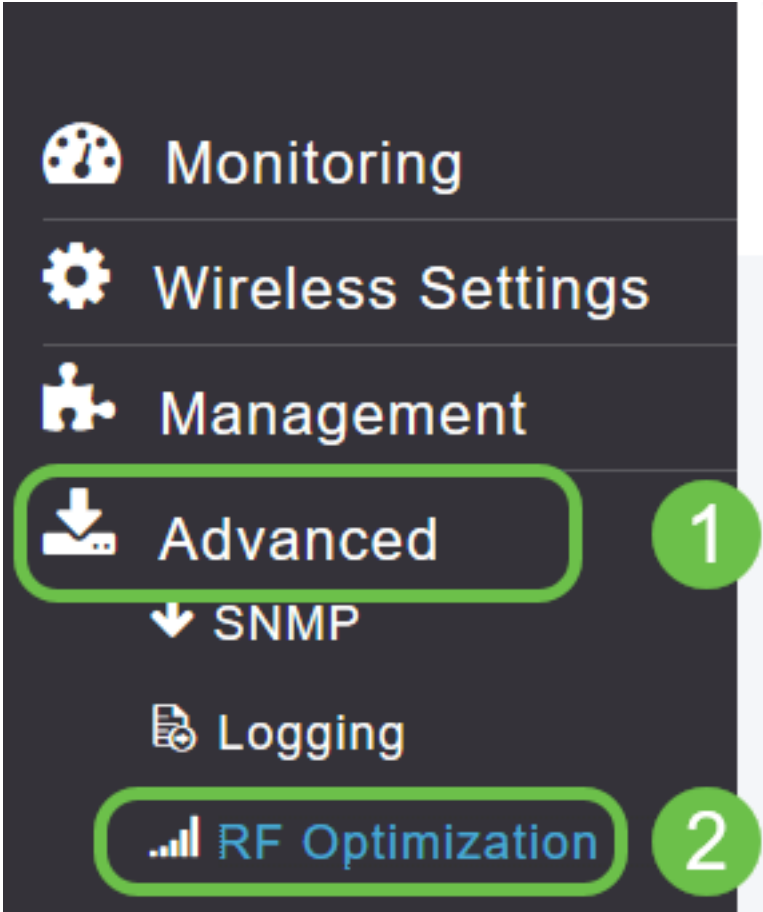
[Download iOS App](#) [Download Android App](#)

## Frequently Asked Questions

If you still have unanswered questions, you can check our frequently asked questions document. [FAQ](#)

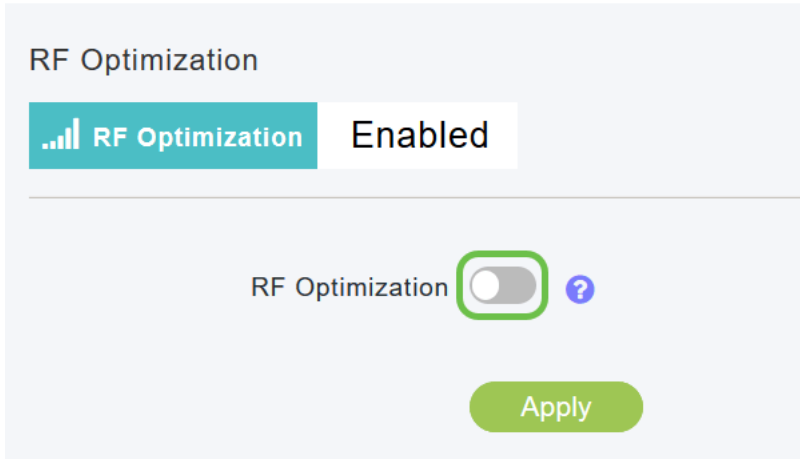
### Step 1

Click **Advanced > RF Optimization**.



### Step 2

If RF Optimization is not already enabled, click the **toggle button** to activate RF Optimization.



### Step 3

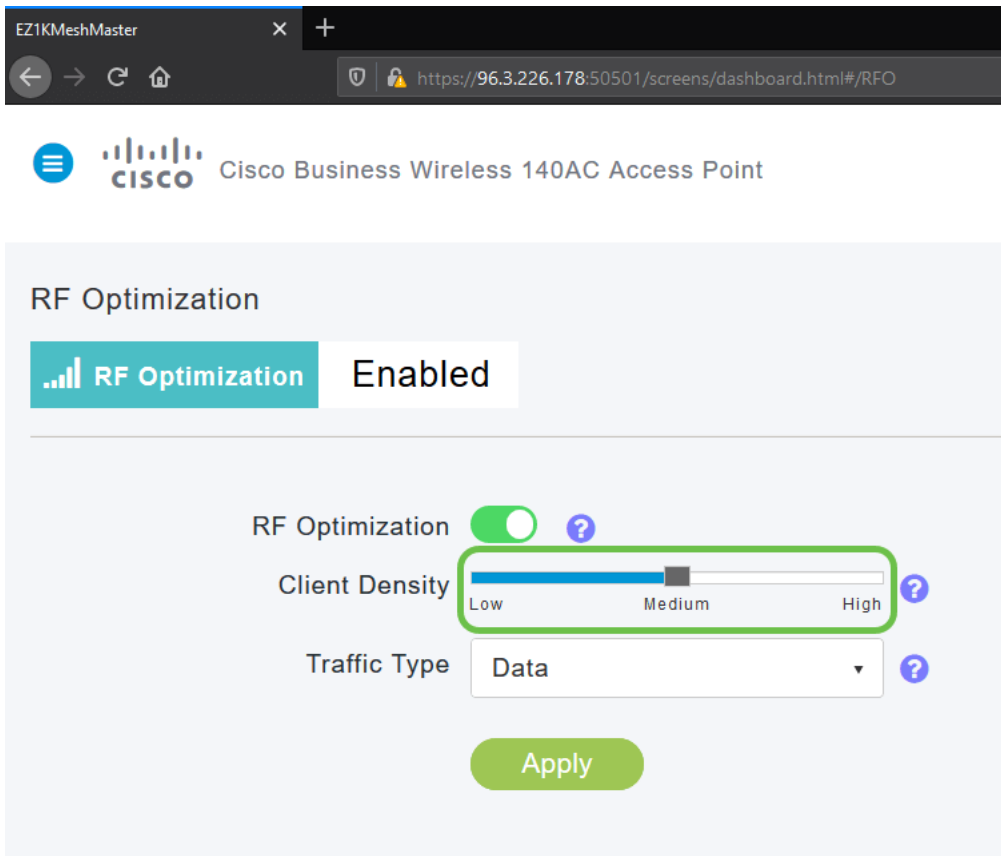
Once enabled the RF Optimization options become available. Client Density manages the signal to serve one of three settings:

Low – lesser number of devices expected to connect to the WLAN

Medium

High – More devices are expected to connect to the WLAN

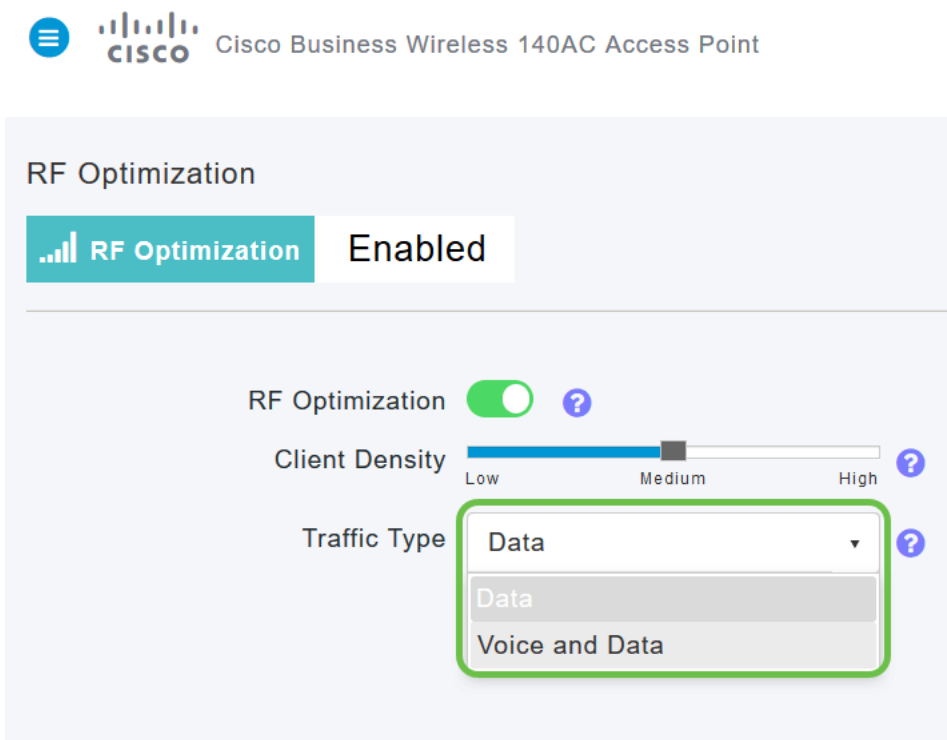
**Set the slider** to your expected environment for device density.



#### Step4

Now you will decide which Traffic Type to apply RF Optimization. There are two options:

- Data
- Data and Voice

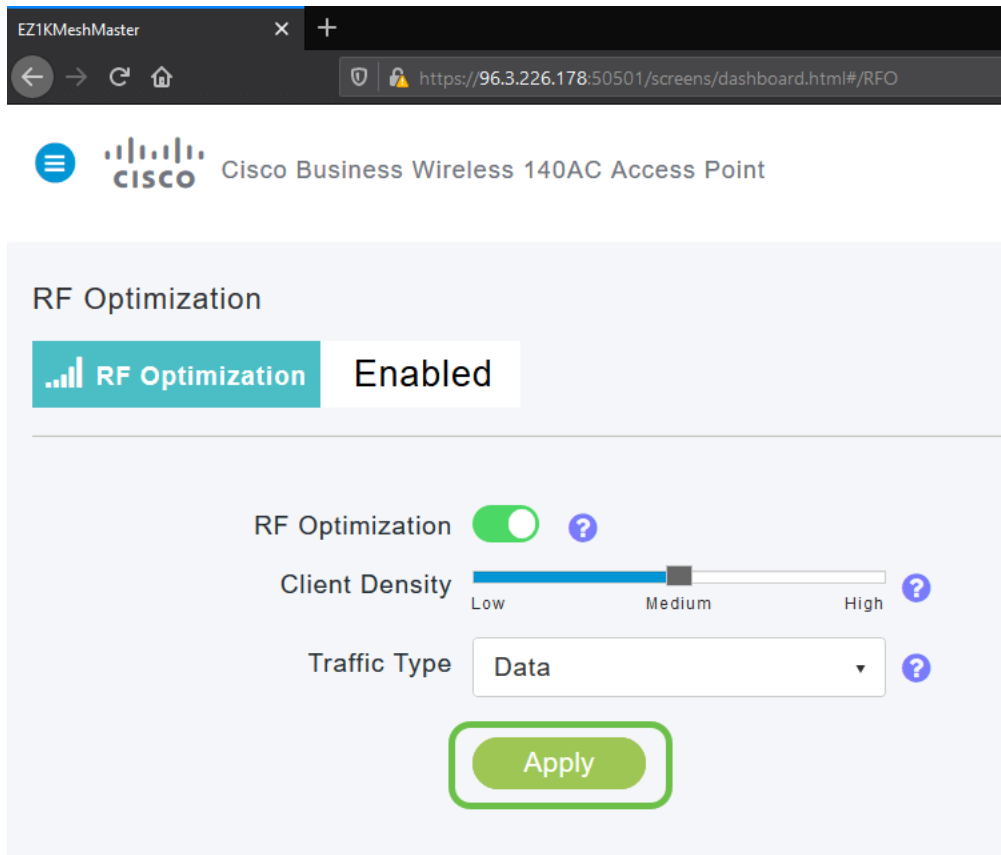


Data and Voice Traffic Type available on Client Density Medium & High. With lower client density, Voice stability is less of a concern.

Click the **drop-down box** and **select your choice** based on your WLAN's needs. We've selected Data.

## Step 5

Click the **Apply** button.



## Conclusion

There you have it. RF Optimization analyses your WLANs so you can kick back and relax. If you're still in the mood for some reading, check out our other configuration articles.

[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](#)