Configure SNTP Settings on a Cisco Business 250 or 350 Series Switch

Objective

Simple Network Time Protocol (SNTP) dynamically synchronizes the time of the network device with the SNTP server. The system time of the switch can be set via the SNTP server. SNTP multicast or anycast client mode needs to be enabled on the Switch. The switch supports both modes active at the same time and selects the best time received from an SNTP server closest to the reference clock.

This objective of this document is to explain how to enable the methods by which the switch receives system time from an SNTP server.

Applicable Devices | Software Version

- CBS250 (DataSheet) | 3.0.0.69 (Download latest)
- CBS350 (Data Sheet) | 3.0.0.69 (Download latest)
- CBS350-2X (Data Sheet) | 3.0.0.69 (Download latest)
- CBS350-4X (Data Sheet) | 3.0.0.69 (Download latest)
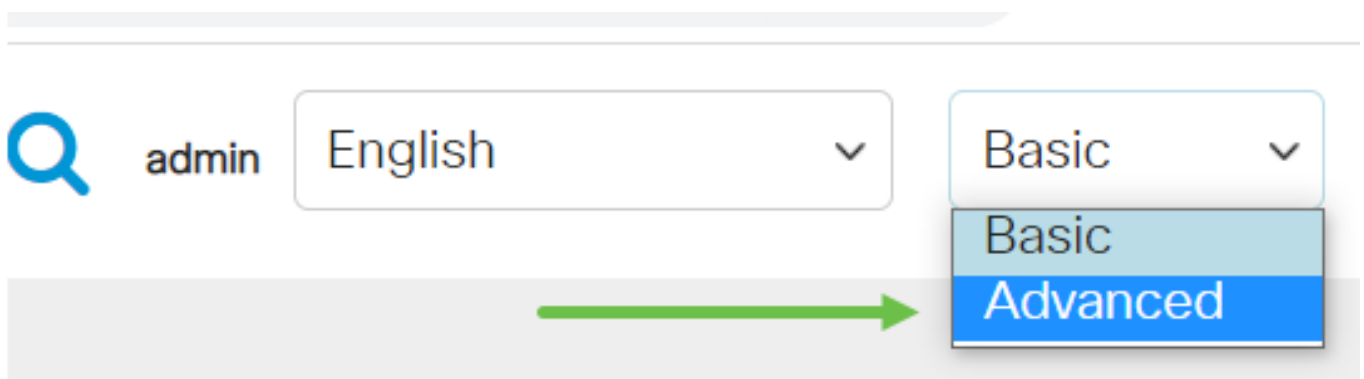
Configure Simple Network Time Protocol (SNTP)

Step 1

Log in to the web-based utility of the switch.

Step 2

Change the Display Mode to **Advanced**.

Step 3

Select **Administration**.

Choose **Time Settings > SNTP Multicast/Anycast**.

Step 4

Check the check boxes by which the switch should receive its system time. The options are:

- SNTP IPv4 Multicast Client Mode (Client Broadcast Reception) — This option allows the SNTP server(s) to receive system time IPv4 Multicast transmissions from any SNTP server on the subnet.
- SNTP IPv6 Multicast Client Mode (Client Broadcast Reception) — This mode allows the SNTP server(s) to receive system time IPv6 Multicast transmissions from any SNTP server on the subnet.
- SNTP IPv4 Anycast Client Mode (Client Broadcast Transmission) — This mode allows the switch to transmit SNTP IPv4 synchronization packets requesting system time information. The packets are transmitted to all SNTP servers on the subnet.
- SNTP IPv6 Anycast Client Mode (Client Broadcast Transmission) — This mode allows the switch to transmit IPv6 synchronization packets requesting time information. The packets are transmitted to all SNTP servers on the subnet.

SNTP Multicast/Anycast

The Main Clock Source (SNTP Servers) must be enabled for SNTP Client Multicast/Anycast to operate. enabled.

SNTP IPv4 Multicast Client Mode (Client Broadcast Reception):	☑ Enable
SNTP IPv6 Multicast Client Mode (Client Broadcast Reception):	☑ Enable
SNTP IPv4 Anycast Client Mode (Client Broadcast Transmission):	☑ Enable
SNTP IPv6 Anycast Client Mode (Client Broadcast Transmission):	☑ Enable

Step 5

Click **Apply** to save the changes.

Apply   Cancel
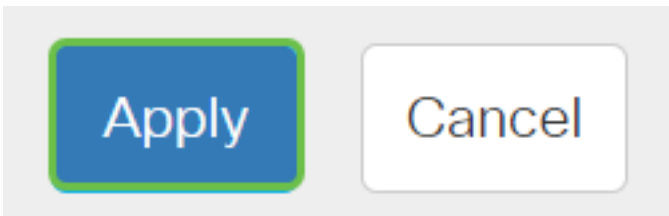
Step 6

Click **Save** to save the settings to the startup configuration file.

You should now have successfully configured SNTP settings on your switch.

Looking for more articles on your CBS250 or CBS350 switch? Check out any of the links below for

more information!