

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

Objective

Simple Network Time Protocol (SNTP) is the simplified version of Network Time Protocol (NTP). NTP is the protocol that is used to synchronize the clocks on a network. It provides time within 100 milliseconds of the accurate time, but does not authenticate traffic.

The SNTP authentication page of the switch allows the administrator to configure Network Time Protocol (NTP) authentication keys to verify a time source. SNTP authentication should be used only in situations where strong authentication is not required as it does not provide the complex filtering mechanisms of NTP.

This document explains how to define SNTP Authentication on a Cisco Business 250 or 350 series switch.

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 SNTP Authentication

Step 1. Log in to the web-based utility of the switch.

Step 2. Choose **Advanced** from the Display Mode drop-down list.



Step 3. Choose **Administration**.

Getting Started

Dashboard

Configuration Wizards

Search

▶ Status and Statistics

▶ Administration

Step 4. Select **Time Settings > SNTP Authentication**.

1 Time Settings

System Time

SNTP Unicast

SNTP

Multicast/Anycast

2 SNTP Authentication

Step 5. Check the SNTP Authentication **Enable** check box.

SNTP Authentication

SNTP Authentication: Enable

Step 6. Click the **plus icon**.

SNTP Authentication Key Table



Display Sensitive Data as Plaintext



Authentication Key ID	Authentication Key (Encrypted)	Trusted Key
-----------------------	--------------------------------	-------------

0 results found.

Step 7. Enter the number used to identify this SNTP authentication key in the *Authentication Key ID* field.

Choose an Authentication Key. The options are:

- User Defined (Encrypted) — This option encrypts the Authentication Key.
- User Defined (Plaintext) — This option displays the Authentication Key in plain text.

Enter the key used for authentication in the *Authentication Key* field.

Check the Trusted Key **Enable** check box to allow the switch to receive synchronization information only from an SNTP server with the use of this authentication key.

Add SNTP Authentication

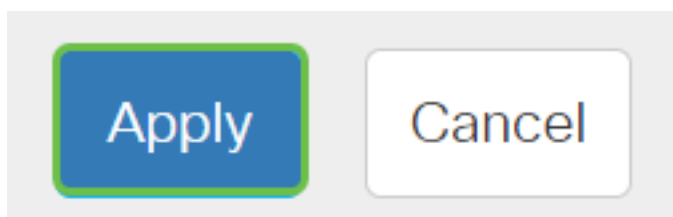


Authentication Key ID: **1** (Range: 1 - 4294967295)

Authentication Key: User Defined (Encrypted)
 User Defined (Plaintext) **2** (8/8 characters used)

Trusted Key: Enable **3**

Step 8. Click **Apply**.



Step 9. Click the **save icon**.



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