

Configure Bluetooth Settings in Catalyst 1200 and 1300 Switches

Objective

The objective of this article is to configure Bluetooth settings on the Catalyst 1200 and 1300 switches.

Applicable Devices | Software Version

[Catalyst 1200 | 4.0.0.91 \(Data Sheet\)](#)

[Catalyst 1300 | 4.0.0.91 \(Data Sheet\)](#)

Introduction

Are you looking for an affordable and easy to deploy switch for your small or medium-sized business? The Cisco Catalyst 1200 and 1300 switches fit the bill that also provide advanced switching capabilities, enhanced security, and can be easily managed using the Cisco Business Dashboard or the Cisco Business mobile App.

Check out the following pages for more information on the Catalyst 1200 and 1300 switches.

[Why Upgrade to Cisco Catalyst 1200 or 1300 Series Switches Feature Comparison](#)

[Cisco Catalyst 1200 and 1300 Series Switches At-a-Glance](#)

The Bluetooth support on the Catalyst switches enables IP connectivity over Bluetooth to manage the switch. The Catalyst switches support Bluetooth through an add on USB Bluetooth dongle that can be plugged in to the USB port of the switch. This allows users to create a Personal Area Network (PAN) over the Bluetooth connection which then can be used to manage the switch using http, https, telnet or SSH.

List of supported dongles:

[BT-D-400 Bluetooth 4.0 Adapter by Kinivo](#)

[Bluetooth 4.0 USB Adapter by Asus](#)

[Bluetooth 4.0 USB Adapter by Insignia](#)

[Philips 4.0 Bluetooth adapter](#)

[Lenovo LX1815 Bluetooth 5.0 USB adapter](#)

[Lenovo LX1812 Bluetooth 4.0 USB adapter](#)

Configure Bluetooth

Step 1

Login to your Catalyst switch. In this example, a Catalyst 1200 switch is used.



Switch

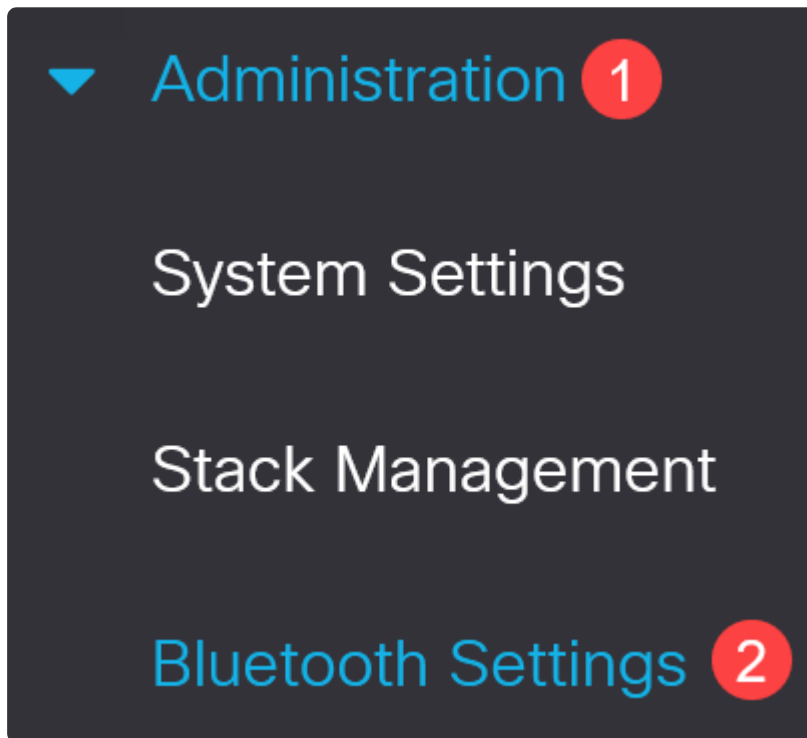
cisco 1

●●●●● 2

English ▾

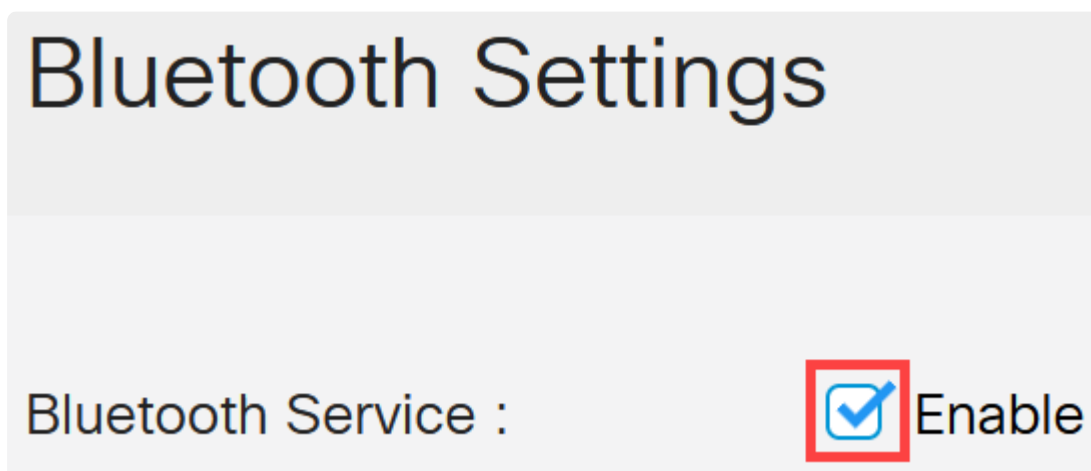
Log In 3

Select **Administration** > **Bluetooth Settings**.



Step 3

Check **Enable** to enable Bluetooth service on the switch.



Note:

Bluetooth is enabled by default.

Step 4

Select the PIN from the following options:

 *Encrypted* - Enter an encrypted PIN

 *Plaintext* - Enter a plaintext PIN (4 digits)

 PIN:

Encrypted

Plaintext

Note:

The default PIN is 9999. As best practice, it is good to set up a new PIN when using this feature.

Step 5

Configure the following fields:

 Bluetooth Device Name

 Bluetooth Interface Description

 Bluetooth Device Name:

Switch Host Name

User Defined

BT Interface Description :

Step 6

Plug-in a USB Bluetooth dongle into the USB-A port of the switch. A Syslog notification stating that a dongle has been inserted will appear.



Syslog Notification (Notice):

%Bluetooth-N-H_BLTH_PLATFORM_EVENT: Bluetooth dongle inserted into USB Port

[Show logs](#)

Note:

The Bluetooth dongle must be plugged in to the USB-A port of the switch and NOT the USB-C port which is a console port.

Step 7

Refresh the page to see the changes in the Bluetooth settings.

Dongle Present :	Yes
Dongle MAC :	00: [REDACTED] 36
State :	Discoverable

Step 8

To set up a new pin, type the 4-digit pin in the box provided next to the *Plaintext* field. In this example, it is 4578.

🔑 PIN:	<input type="radio"/> Encrypted	qeNx7Or
	<input checked="" type="radio"/> Plaintext	4578

Note:

It is best practice to set up a new pin as anyone who may be aware of the default pin can use it to connect to the switch and manage it without your knowledge.

Step 9

To set up a static IP address, under *BT IP Interface* select **User Defined**, enter the IP address in the box provided under *BT IP Address* and the *BT IP Mask*.

BT IP Interface :

None

User Defined 1

⚙️ BT IP Address:

172.16.1.100

⚙️ BT IP Mask:

Network Mask

Note:

The IP address must be on a subnet that is not in use by the switch.

Step 10

Click **Apply**.

Bluetooth Settings

Client-side Configuration

The following client systems can be used to manage a Catalyst 1200/1300 switch.

â— Windows 10

â— Windows 11

â— MacOS 11 (Big Sur) and older - MacOS 12 (Monterey) and 13 (Ventura) are not supported due to removal of PAN functionality

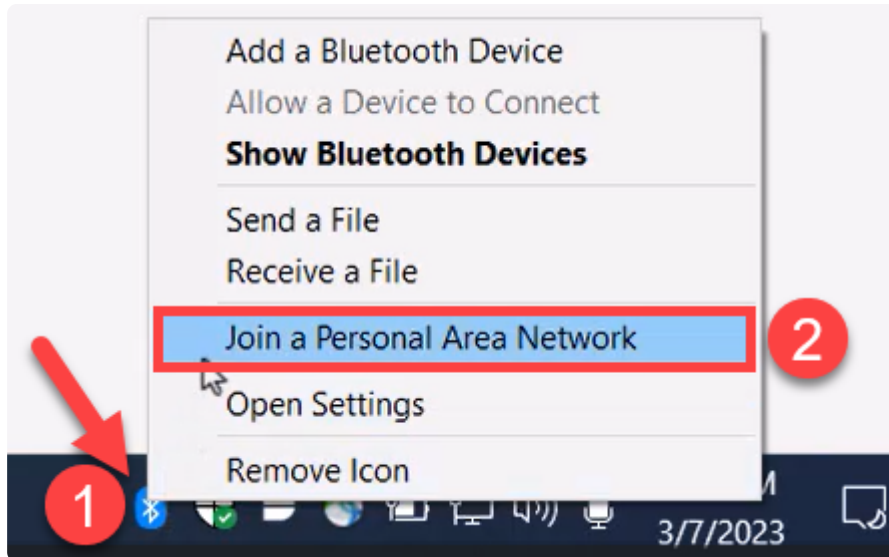
â— Android - Requires DHCP (cannot set static IP on client device)

â— iOS (iPad and iPhone)

In this example, a Windows 10 PC is used.

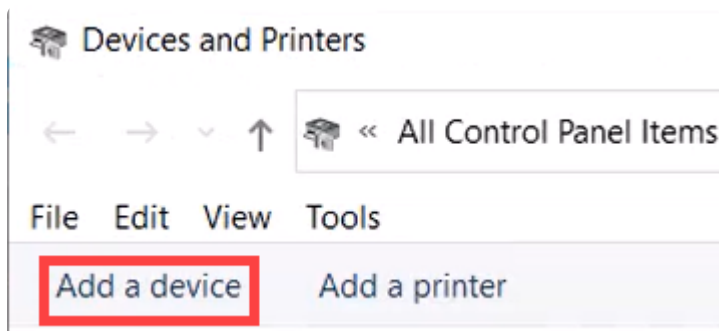
Step 1

To establish the connection from the laptop that is running Windows 10, right click on Bluetooth icon on the taskbar and select **Join a Personal Area Network**.




Step 2

Click on **Add a device**. The Bluetooth adapter in the laptop will perform a scan of the local area for Bluetooth devices that it can detect.









Step 3

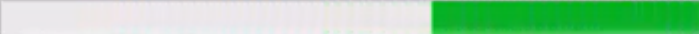
Once the Catalyst switch that was configured in the previous section shows up, select the switch and click **Next** to continue.

 Add a device

Choose a device or printer to add to this PC

Select a device

 CP-8865 Phone	 ResMed 488986 Unknown 1
 SRS-BTX300 Speakers	 switch4a52f0 Network infrastructure device
 50" RCA Roku TV Television	 Roku Ultra Television




Not finding what you're looking for?

2

Next

Step 4

Enter the PIN and click **Next** once again.

 Add a device

Enter the passcode for your network infrastructure device

You can find the passcode on your switch4a52f0 or in the info that came



4578

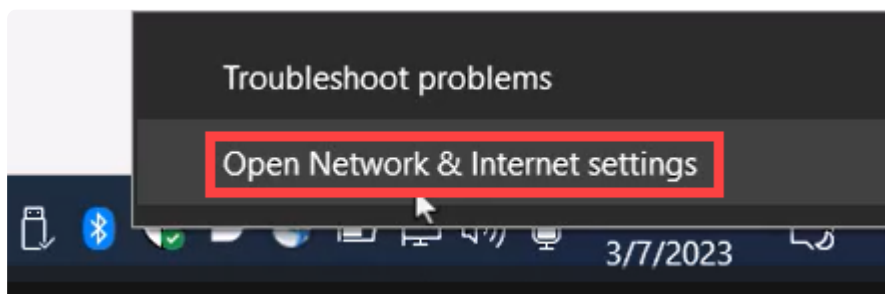
1

2

Next

Step 5

Open the network internet settings. Scroll down and click on **Change adapter options**. Here, you can see all the adapters and the Bluetooth network connection.



Advanced network settings



Change adapter options

View network adapters and change connection settings.

Step 6

A static IP address needs to be assigned on the client side as well and it must be within the same subnet. Right click on Bluetooth Network Connection and go to **Properties**.

Network Connections



Control Panel > All Control Panel Items >

File Edit View Advanced Tools

Organize ▾

View Bluetooth network devices

Disable this ne



Bluetooth Network Connection

Not connected

Bluet



Wi-Fi

Not co

Intel(P



Cisco Any

Client Co

View Bluetooth Network Devices



Disable

Status

Create Shortcut



Rename



Properties

Step 7

Go to Internet Protocol Version 4 (TCP/IPv4).

Bluetooth Network Connection Properties



Networking Bluetooth

Connect using:

Bluetooth Device (Personal Area Network)

Configure...

This connection uses the following items:

- Client for Microsoft Networks
- File and Printer Sharing for Microsoft Networks
- Npcap Packet Driver (NPCAP)
- Internet Protocol Version 4 (TCP/IPv4) **1**
- Microsoft Network Adapter Multiplexor Protocol
- Microsoft LLDP Protocol Driver
- Internet Protocol Version 6 (TCP/IPv6)

Install... Uninstall Properties **2**

Description

Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.

OK Cancel

Step 8

Type the IP address. For this example, it is **172.16.1.10**. Specify the subnet mask and click **OK**.

Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

Obtain an IP address automatically

Use the following IP address:

IP address: **1**

Subnet mask: **1**

Default gateway:

Obtain DNS server address automatically

Use the following DNS server addresses:

Preferred DNS server:

Alternate DNS server:

Validate settings upon exit

2

Step 9

Go back to the *Devices and Printers* window and right click on your device. Connect using access point, and youâ€™ll now see the connection is successful.

Devices and Printers

← → ▾ ↑  << All Control Panel Items >> Devices and Printers

File Edit View Tools

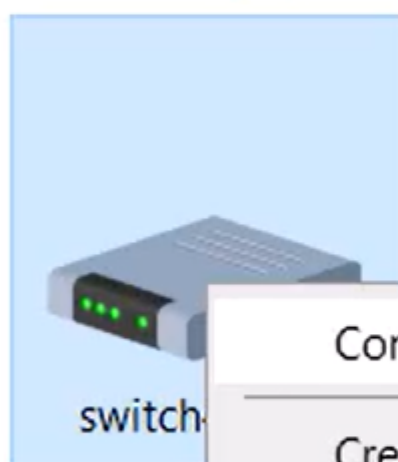
Add a device

Add a printer

Connect using ▾

Remove device


▾ Devices (1)



Connect using >

Access point

Create shortcut

 Remove device

Troubleshoot

Properties

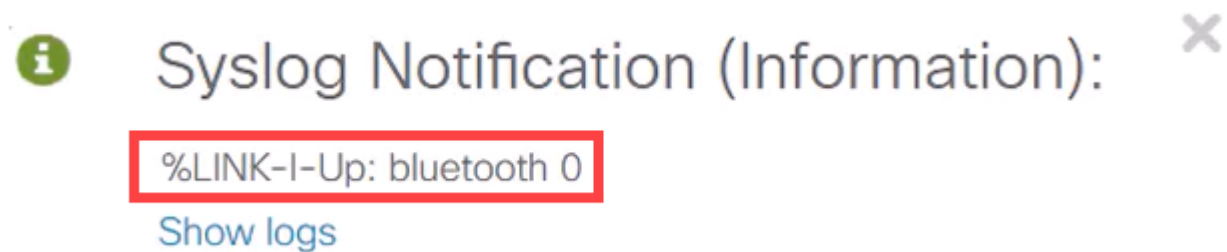
Bluetooth Network Connection



Connection successful

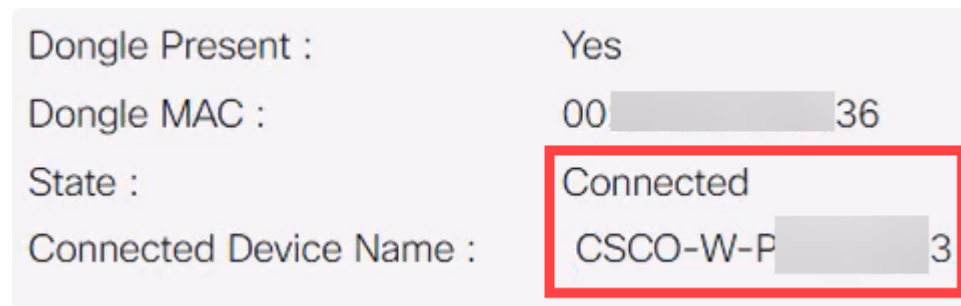
Step 10

In the web UI of the switch, you can view the *Syslog Notification* stating the Bluetooth link is up.



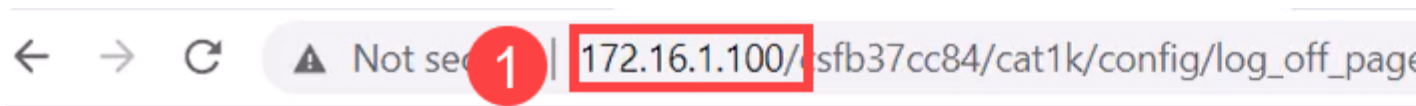
Step 11

After refreshing the page, you can view the State as Connected and the Connected Device Name will be displayed. For this example, it is the host name of the laptop.



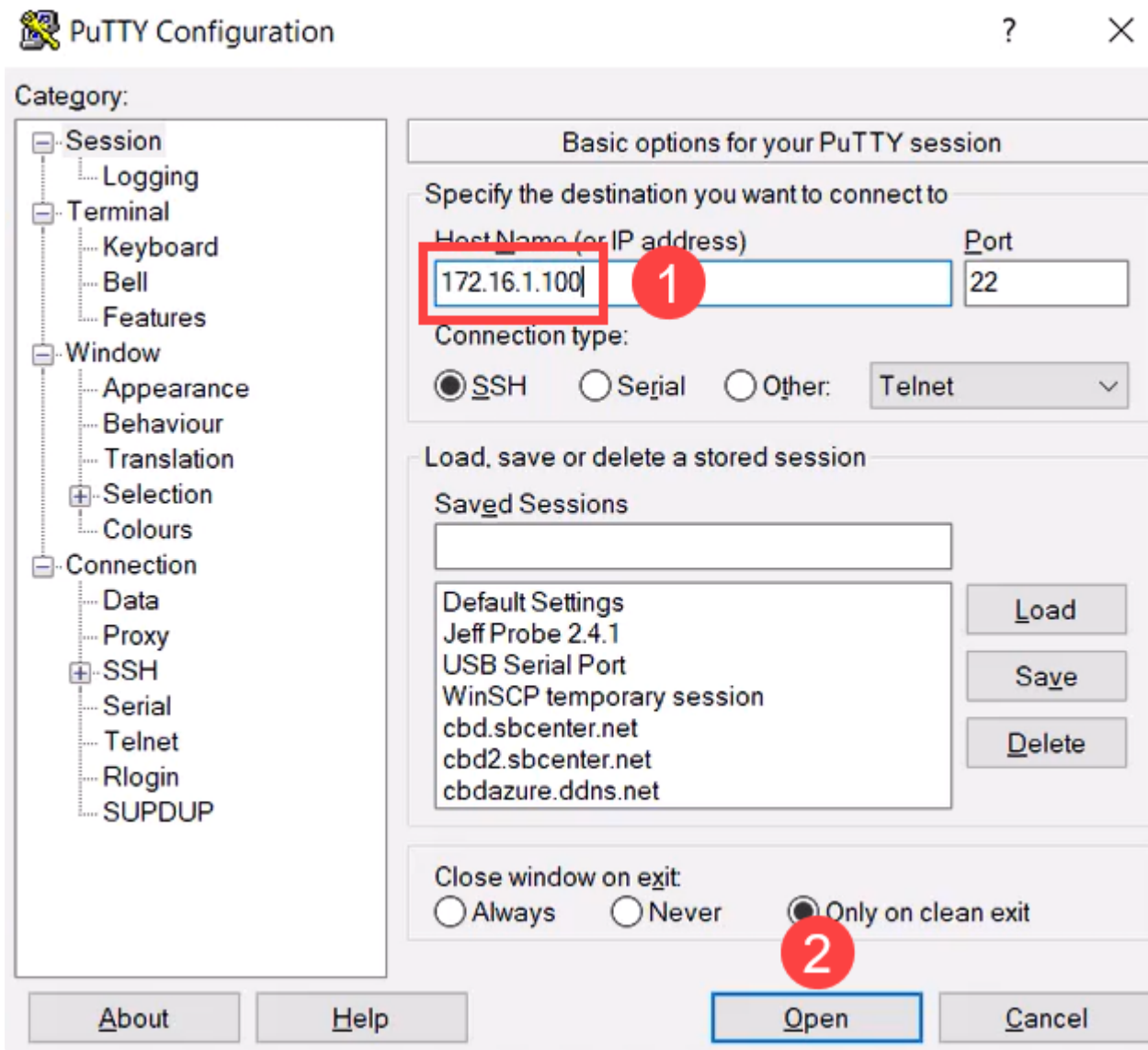
Step 12

After establishing a connection, open a web browser and type the Bluetooth IP address. For this example, it is 172.16.1.100. The switch login screen will appear. Enter the **username**, **password**, and click **Log In**.



Step 13

Alternatively, you can use PuTTY to manage the switch. To do that, open the Putty application, enter the same **IP address**, and click **Open**.



Step 14

Accept the key.

PuTTY Security Alert



The host key is not cached for this server:
172.16.1.100 (port 22)

You have no guarantee that the server is the computer you think it is.

The server's rsa2 key fingerprint is:

ssh-rs: [redacted] Ng

If you trust this host, press "Accept" to add the key to PuTTY's cache and carry on connecting.

If you want to carry on connecting just once, without adding the key to the cache, press "Connect Once".

If you do not trust this host, press "Cancel" to abandon the connection.

Help

More info...

Accept

Connect Once

Cancel

Step 15

Login with the switch credentials.

```
172.16.1.100 - PuTTY
login as: admin
User Name:admin
Password:*****
switch4a52f0#
```

Conclusion

Now you know all about the Bluetooth feature on the Catalyst 1200 or 1300 switch, how to configure it and manage the switch via the web UI or the CLI.

For other configurations and features, refer to the Catalyst series [Administration Guide](#).