Day Zero Setup of Catalyst 1200 and 1300 Switches Using the CLI

Objective

The objective of this article is to go through the day zero setup of a Catalyst 1200 or 1300 switch using the command line interface (CLI).

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**

You can also refer to the following hardware installation guides to get started.

- **Cisco Catalyst 1200 Hardware Installation Guide**
- **Cisco Catalyst 1300 Hardware Installation Guide**

Let’s begin with the day zero setup of a Catalyst 1200 or 1300 switch using the CLI.

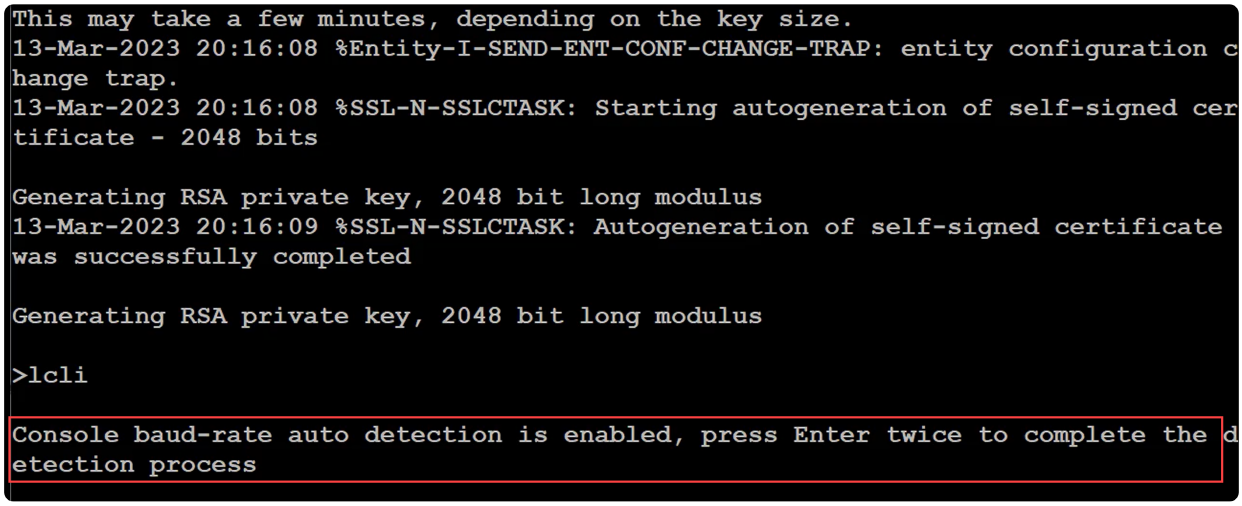
Day zero setup

Step 1

In this example, a Catalyst 1300 switch is used. Connect to the switch via a console cable.

Step 2

Press **Enter** twice on the keyboard to complete the console baud-rate auto detection process. This is necessary to identify the speed of console connection and to send data at the proper rate.



Step 3

Enter the default username. As this is a day zero setup, it is **cisco**.

```
cisco
```

> **Note:**
> cisco is all lowercase letters.

Step 4

Enter the default password which is also **cisco**.

```
cisco
```

Step 5

You will be prompted to enter a new username. In this example, it is **admin**.

```
admin
```

Step 6

Enter a new password. The password must meet the standard requirements.

- The password must be at least eight characters and must contain three of the four following options:

uppercase, lowercase, a number, or a special character.

- A character cannot be repeated more than three times in a row.
- It cannot have more than two sequential characters or numbers in a row and the characters are case insensitive.
- You cannot use the username as the password or the reversed or modified form of the username.
- "Cisco" or variations of the word "Cisco" cannot be used in any part of the password (beginning, middle or end).
- Well-known usernames and passwords will not be accepted.
- The word “password" cannot be used as the beginning of your password and it is case insensitive.
- The word “Catalyst” cannot be any part of the password.
- Using more than three repeated characters in a row is not allowed. For example, 111 will not be accepted.
- Using more than two sequential characters in a row like 123 will not be allowed.

```
Please change device default username AND password.
Change of credentials is required for better protection of your network.
Please note that the new password must comply to the following password complexi
ty rules:
        1. The password must be at least 8 characters long.
        2. Password must contain at least 3 of the following types: lowercase le
tters, uppercase letters, numeric digits or special characters.
        3. A character can not be repeated consecutively more than 3 times.
        4. The password cannot contain more than 2 sequential characters or numb
ers, or the reverse value of these sequences.
        5. The password cannot contain the username or a reversed form of userna
me.
        6. The password cannot contain the manufacturer or product name or a rev
ersed form of such.
        7. The password cannot contain a password that is part of a predefined l
ist of breached or dictionary based passwords.
Enter new username: admin
Enter new password: ********  1
Confirm new password: ******** 2
```

Note:

If you enter a password that doesn’t comply with the rules like Cisco123, it’ll be rejected along with an explanation of why the password was rejected.

```
Enter new username: admin
Enter new password: ********
Confirm new password: ********
User credentials change failed.
Password rejected - Password cannot contain more than 2 sequential characters or
 numbers.
Enter new username: admin
Enter new password: **********
Confirm new password: **********
Username and password were successfully updated.
```

Step 7

To set an IP address, enter **config terminal** and in this example, **interface VLAN1** will be configured.

```
config terminal

        interface Vlan1
```

Step 8

Enter the command **ip address** followed by the IP and the subnet mask. In this example, it's **172.16.1.11** with a subnet mask of **255.255.255.0.**

```
ip address 172.16.1.111 255.255.255.0
```

Step 9

Specify the ip route. In this example, it's going to be the default gateway of **0.0.0.0** as the destination prefix, with **0.0.0.0** as the network mask followed by the IP address of the network.

```
ip route 0.0.0.0 0.0.0.0 172.16.1.60
```

Step 10

To enable SSH clients, type **ip ssh-client authentication password** that allows the use of usernames and password to authenticate via SSH.

```
ip ssh-client authentication password
```

Step 11

Exit the configuration mode to get back to the privileged execution mode.

```
exit
```

Step 12

Enter **write memory** to save the configuration.

```
write memory
```

Step 13

Enter **Y** to confirm.

```
Y
```

Conclusion

There you go! You have completed the basic initial configuration of your Catalyst 1200/1300 switch using the CLI.

For other configurations and features, refer to the Catalyst series **Administration Guide**.

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