



Resetting the Cisco FC switch to factory defaults

ONTAP MetroCluster

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Table of Contents

Resetting the Cisco FC switch to factory defaults 1

Resetting the Cisco FC switch to factory defaults

Before installing a new software version and RCFs, you must erase the Cisco switch configuration and perform basic configuration.

You must repeat these steps on each of the FC switches in the MetroCluster fabric configuration.



The outputs shown are for Cisco IP switches; however, these steps are also applicable for Cisco FC switches.

Steps

1. Reset the switch to factory defaults:

a. Erase the existing configuration:

`write erase`

b. Reload the switch software:

`reload`

The system reboots and enters the configuration wizard. During the boot, if you receive the prompt Abort Auto Provisioning and continue with normal setup?(yes/no)[n], you should respond **yes** to proceed.

c. In the configuration wizard, enter the basic switch settings:

- Admin password
- Switch name
- Out-of-band management configuration
- Default gateway
- SSH service (Remote Support Agent) After completing the configuration wizard, the switch reboots.

d. When prompted, enter the user name and password to log in to the switch.

The following example shows the prompts and system responses when logging in to the switch. The angle brackets (**<<<**) show where you enter the information.

```
---- System Admin Account Setup ----
```

```
Do you want to enforce secure password standard (yes/no) [y]:y
```

```
**<<<**
```

```
Enter the password for "admin": password **<<<**
```

```
Confirm the password for "admin": password **<<<**
```

```
---- Basic System Configuration Dialog VDC: 1 ----
```

This setup utility will guide you through the basic configuration of the system. Setup configures only enough connectivity for management of the system.

Please register Cisco Nexus3000 Family devices promptly with your supplier. Failure to register may affect response times for initial service calls. Nexus3000 devices must be registered to receive entitled support services.

Press Enter at anytime to skip a dialog. Use ctrl-c at anytime to skip the remaining dialogs.

- e. Enter basic information in the next set of prompts, including the switch name, management address, and gateway, and enter **rsa** for the SSH key as shown in the example:

```

Would you like to enter the basic configuration dialog (yes/no): yes
Create another login account (yes/no) [n]:
Configure read-only SNMP community string (yes/no) [n]:
Configure read-write SNMP community string (yes/no) [n]:
Enter the switch name : switch-name **<<<
Continue with Out-of-band (mgmt0) management configuration?
(yes/no) [y]:
  Mgmt0 IPv4 address : management-IP-address **<<<
  Mgmt0 IPv4 netmask : management-IP-netmask **<<<
Configure the default gateway? (yes/no) [y]: y **<<<
  IPv4 address of the default gateway : gateway-IP-address **<<<
Configure advanced IP options? (yes/no) [n]:
Enable the telnet service? (yes/no) [n]:
Enable the ssh service? (yes/no) [y]: y **<<<
  Type of ssh key you would like to generate (dsa/rsa) [rsa]: rsa
**<<<
  Number of rsa key bits <1024-2048> [1024]:
Configure the ntp server? (yes/no) [n]:
Configure default interface layer (L3/L2) [L2]:
Configure default switchport interface state (shut/noshut)
[noshut]: shut **<<<
  Configure CoPP system profile (strict/moderate/lenient/dense)
[strict]:

```

The final set of prompt completes the configuration:

The following configuration will be applied:

```
password strength-check
switchname IP_switch_A_1
vrf context management
ip route 0.0.0.0/0 10.10.99.1
exit
no feature telnet
ssh key rsa 1024 force
feature ssh
system default switchport
system default switchport shutdown
copp profile strict
interface mgmt0
ip address 10.10.99.10 255.255.255.0
no shutdown
```

Would you like to edit the configuration? (yes/no) [n]:

Use this configuration and save it? (yes/no) [y]:

2017 Jun 13 21:24:43 A1 %\$ VDC-1 %\$ %COPP-2-COPP_POLICY: Control-Plane is protected with policy copp-system-p-policy-strict.

[#####] 100%
Copy complete.

```
User Access Verification
IP_switch_A_1 login: admin
Password:
Cisco Nexus Operating System (NX-OS) Software
.
.
.
IP_switch_A_1#
```

2. Save the configuration:

```
IP_switch_A_1# copy running-config startup-config
```

3. Reboot the switch and wait for the switch to reload:

```
IP_switch_A_1# reload
```

4. Repeat the previous steps on the other three switches in the MetroCluster fabric configuration.

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