



# Basic Device Management

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## Information About Basic Device Management

This section provides information about basic device management.

## Guidelines for Password Recovery

Follow these guidelines to recover the password:

- You must be logged in as admin to change the admin password.
- For Cisco Nexus 36180YC-R chassis, press Ctrl-L to interrupt the boot process and get the >loader prompt.

## Changing the Device Hostname

You can change the device hostname displayed in the command prompt from the default (switch) to another character string.

## SUMMARY STEPS

1. **configure terminal**
2. **{hostname | switchname} name**
3. **exit**
4. (Optional) **copy running-config startup-config**

## DETAILED STEPS

	Command or Action	Purpose
<b>Step 1</b>	<b>configure terminal</b> <b>Example:</b> <pre>switch# configure terminal switch(config)#</pre>	Enters global configuration mode.
<b>Step 2</b>	<b>{hostname   switchname} name</b> <b>Example:</b> Using the <b>hostname</b> command: <pre>switch(config)# hostname Engineering1 Engineering1(config)#</pre> Using the <b>switchname</b> command: <pre>Engineering1(config)# switchname Engineering2 Engineering2(config)#</pre>	Changes the device hostname. The <i>name</i> argument is alphanumeric, case sensitive, and has a maximum length of 32 characters. The default is switch.  <b>Note</b> The <b>switchname</b> command performs the same function as the <b>hostname</b> command.
<b>Step 3</b>	<b>exit</b> <b>Example:</b> <pre>Engineering2(config)# exit Engineering2#</pre>	Exits global configuration mode.
<b>Step 4</b>	(Optional) <b>copy running-config startup-config</b> <b>Example:</b> <pre>Engineering2# copy running-config startup-config</pre>	Copies the running configuration to the startup configuration.

## Configuring the MOTD Banner

You can configure the MOTD to display before the login prompt on the terminal when a user logs in. The MOTD banner has the following characteristics:

- Maximum of 80 characters per line
- Maximum of 40 lines

## SUMMARY STEPS

1. **configure terminal**
2. **banner motd delimiting-character message delimiting-character**
3. **exit**

4. (Optional) **show banner motd**
5. (Optional) **copy running-config startup-config**

### DETAILED STEPS

	Command or Action	Purpose
Step 1	<b>configure terminal</b> <b>Example:</b> <pre>switch# configure terminal switch(config)#</pre>	Enters global configuration mode.
Step 2	<b>banner motd</b> <i>delimiting-character message delimiting-character</i> <b>Example:</b> <pre>switch(config)# banner motd #Welcome to the Switch# switch(config)#</pre>	Configures the MOTD banner. Do not use the <i>delimiting-character</i> in the <i>message</i> text. <b>Note</b> Do not use " or % as a delimiting character.
Step 3	<b>exit</b> <b>Example:</b> <pre>switch(config)# exit switch#</pre>	Exits global configuration mode.
Step 4	(Optional) <b>show banner motd</b> <b>Example:</b> <pre>switch# show banner motd</pre>	Displays the configured MOTD banner.
Step 5	(Optional) <b>copy running-config startup-config</b> <b>Example:</b> <pre>switch# copy running-config startup-config</pre>	Copies the running configuration to the startup configuration.

## Configuring the Time Zone

You can configure the time zone to offset the device clock time from UTC.

### SUMMARY STEPS

1. **configure terminal**
2. **clock timezone** *zone-name offset-hours offset-minutes*
3. **exit**
4. (Optional) **show clock**
5. (Optional) **copy running-config startup-config**

## DETAILED STEPS

	Command or Action	Purpose
<b>Step 1</b>	<b>configure terminal</b> <b>Example:</b> switch# configure terminal switch(config)#	Enters global configuration mode.
<b>Step 2</b>	<b>clock timezone zone-name offset-hours offset-minutes</b> <b>Example:</b> switch(config)# clock timezone EST -5 0	Configures the time zone. The <i>zone-name</i> argument is a 3-character string for the time zone acronym (for example, PST or EST). The <i>offset-hours</i> argument is the offset from the UTC and the range is from -23 to 23 hours. The range for the <i>offset-minutes</i> argument is from 0 to 59 minutes.
<b>Step 3</b>	<b>exit</b> <b>Example:</b> switch(config)# exit switch#	Exits global configuration mode.
<b>Step 4</b>	(Optional) <b>show clock</b> <b>Example:</b> switch# show clock	Displays the time and time zone.
<b>Step 5</b>	(Optional) <b>copy running-config startup-config</b> <b>Example:</b> switch# copy running-config startup-config	Copies the running configuration to the startup configuration.

## Configuring Summer Time (Daylight Saving Time)

You can configure when summer time, or daylight saving time, is in effect for the device and the offset in minutes.

## SUMMARY STEPS

1. **configure terminal**
2. **clock summer-time zone-name start-week start-day start-month start-time end-week end-day end-month end-time offset-minutes**
3. **exit**
4. (Optional) **show clock detail**
5. (Optional) **copy running-config startup-config**

## DETAILED STEPS

	Command or Action	Purpose
<b>Step 1</b>	<b>configure terminal</b> <b>Example:</b>	Enters global configuration mode.

	Command or Action	Purpose
	<pre>switch# configure terminal switch(config)#</pre>	
<b>Step 2</b>	<p><b>clock summer-time</b> <i>zone-name start-week start-day start-month start-time end-week end-day end-month end-time offset-minutes</i></p> <p><b>Example:</b></p> <pre>switch(config)# clock summer-time PDT 1 Sunday March 02:00 1 Sunday November 02:00 60</pre>	<p>Configures summer time or daylight saving time.</p> <p>The <i>zone-name</i> argument is a three character string for the time zone acronym (for example, PST and EST).</p> <p>The values for the <i>start-day</i> and <i>end-day</i> arguments are <b>Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, and Sunday</b>.</p> <p>The values for the <i>start-month</i> and <i>end-month</i> arguments are <b>January, February, March, April, May, June, July, August, September, October, November, and December</b>.</p> <p>The value for the <i>start-time</i> and <i>end-time</i> arguments are in the format <i>hh:mm</i>.</p> <p>The range for the <i>offset-minutes</i> argument is from 0 to 1440 minutes.</p>
<b>Step 3</b>	<p><b>exit</b></p> <p><b>Example:</b></p> <pre>switch(config)# exit switch#</pre>	Exits global configuration mode.
<b>Step 4</b>	<p>(Optional) <b>show clock detail</b></p> <p><b>Example:</b></p> <pre>switch(config)# show clock detail</pre>	Displays the configured MOTD banner.
<b>Step 5</b>	<p>(Optional) <b>copy running-config startup-config</b></p> <p><b>Example:</b></p> <pre>switch# copy running-config startup-config</pre>	Copies the running configuration to the startup configuration.

## Manually Setting the Device Clock

You can set the clock manually if your device cannot access a remote time source.

### Before you begin

Configure the time zone.

### SUMMARY STEPS

1. **clock set** *time day month year*
2. (Optional) **show clock**

## DETAILED STEPS

	Command or Action	Purpose
<b>Step 1</b>	<b>clock set</b> <i>time day month year</i> <b>Example:</b> <pre>switch# clock set 15:00:00 30 May 2008 Fri May 30 15:14:00 PDT 2008</pre>	Configures the device clock. The format for the <i>time</i> argument is <i>hh:mm:ss</i> . The range for the <i>day</i> argument is from 1 to 31. The values for the <i>month</i> argument are <b>January, February, March, April, May, June, July, August, September, October, November, and December</b> . The range for the <i>year</i> argument is from 2000 to 2030.
<b>Step 2</b>	(Optional) <b>show clock</b> <b>Example:</b> <pre>switch(config)# show clock</pre>	Displays the current clock value.

## Related Topics

[Configuring the Time Zone](#), on page 3

## Setting the Clock Manager

You can configure the clock manager to synchronize all the clocks of the components in the Cisco Nexus chassis.

## SUMMARY STEPS

1. **clock protocol** *protocol vdc vdc-num*
2. (Optional) **show run clock\_manager**

## DETAILED STEPS

	Command or Action	Purpose
<b>Step 1</b>	<b>clock protocol</b> <i>protocol vdc vdc-num</i> <b>Example:</b> <pre># clock protocol ptp vdc 2</pre>	Configures the clock manager. The values for the <i>protocol</i> argument are <b>ptp</b> , <b>ntp</b> , and <b>none</b> . The following describes the values: <ul style="list-style-type: none"> <li>• <b>ptp</b>—Synchronizes clocks with Precision Time Protocol (PTP) as described by IEEE 1588.</li> <li>• <b>ntp</b>—Synchronizes clocks with Network Time Protocol (NTP).</li> <li>• <b>none</b>—Use <b>clock set</b> to set supervisor clocks.</li> </ul> <b>Note</b> When <b>none</b> is used, the clock in the specified VDC must be configured.

	Command or Action	Purpose
		<p><b>Note</b></p> <p>Once the protocol is configured, the clock in the specified VDC must use that protocol.</p> <p>For example, if the <b>clock protocol ptp vdc 2</b> command is entered, then PTP should be configured in VDC 2.</p> <p>The range for the <i>vdc</i> argument is 1 to 8.</p>
<b>Step 2</b>	(Optional) <b>show run clock_manager</b>  <b>Example:</b> <pre>#show run clock_manager</pre>	Displays the configuration of the clock manager.

## Managing Users

You can display information about users logged into the device and send messages to those users.

## Verifying the Device Configuration

To verify the configuration after bootstrapping the device using POAP, use one of the following commands:

Command	Purpose
<b>show running-config</b>	Displays the running configuration.
<b>show startup-config</b>	Displays the startup configuration.

For detailed information about the fields in the output from these commands, see the Cisco Nexus command reference for your device.

## Default Settings for Basic Device Parameters

This table lists the default settings for basic device parameters.

**Table 1: Default Basic Device Parameters**

Parameters	Default
MOTD banner text	User Access Verification
Clock time zone	UTC

