Configuring Terminal Settings and Sessions

Information About Terminal Settings and Sessions

This section includes information about terminal settings and sessions.

Configuring the Console Port

You can set the following characteristics for the console port:

- Data bits

- Inactive session timeout

- Parity

- Speed

- Stop bits

Before you begin

Log in to the console port.

SUMMARY STEPS

1.   **configure terminal**

2. **line console**
3. **databits** *bits*
4. **exec-timeout** *minutes*
5. **parity** {**even** | **none** | **odd**}
6. **speed** {**300** | **1200** | **2400** | **4800** | **9600** | **38400** | **57600** | **115200**}
7. **stopbits** {**1** | **2**}
8. **exit**
9. (Optional) **show line console**
10. (Optional) **copy running-config startup-config**

DETAILED STEPS

	Command or Action	Purpose

Step 1	**configure terminal**
	
	Example:
	
	`switch# configure terminal`
	`switch(config)#`
		Enters global configuration mode.

Step 2	**line console**
	
	Example:
	
	`switch# line console`
	`switch(config-console)#`
		Enters console configuration mode.

Step 3	**databits** *bits* **Example:** `switch(config-console)# databits 7`	Configures the number of data bits per byte. The range is from 5 to 8. The default is 8.
Step 4	**exec-timeout** *minutes* **Example:** `switch(config-console)# exec-timeout 30`	Configures the timeout for an inactive session. The range is from 0 to 525600 minutes (8760 hours). A value of 0 minutes disables the session timeout. The default is 30 minutes.
Step 5	**parity** {**even**	**none**	**odd**} **Example:** `switch(config-console)# parity even`	Configures the parity. The default is **none**.
Step 6	**speed** {**300**	**1200**	**2400**	**4800**	**9600**	**38400**	**57600**	**115200**} **Example:** `switch(config-console)# speed 115200`	Configures the transmit and receive speed. The default is **115200**.
Step 7	**stopbits** {**1**	**2**} **Example:** `switch(config-console)# stopbits 2`	Configures the stop bits. The default is **1**.
Step 8	**exit** **Example:**	Exits console configuration mode.

	Command or Action	Purpose
	``switch(config-console)# exit
switch(config)#```	
Step 9	(Optional) **show line console**

Example:

```switch(config)# show line console``` | Displays the console settings. |
| Step 10 | (Optional) **copy running-config startup-config**

Example:

```switch(config)# copy running-config startup-config``` | Copies the running configuration to the startup configuration. |

Configuring Virtual Terminals

This section describes how to configure virtual terminals on Cisco NX-OS devices.

Configuring Modem Connections

You can connect a modem to the console port.

Clearing Terminal Sessions

You can clear terminal sessions on the Cisco NX-OS device.

SUMMARY STEPS

1. (Optional) **show users**
2. **clear line** *name*

DETAILED STEPS

	Command or Action	Purpose
Step 1	(Optional) **show users**

Example:

```switch# show users``` | Displays the user sessions on the device. |
| Step 2 | **clear line** *name*

Example:

```switch# clear line pts/0``` | Clears a terminal session on a specific line. The line name is case sensitive. |

Displaying Terminal and Session Information

To display terminal and session information, perform one of the following tasks:

Command	Purpose
show terminal	Displays terminal settings.
show line	Displays the console ports settings.
show users	Displays virtual terminal sessions.
show running-config [**all**]	Displays the user account configuration in the running configuration. The **all** keyword displays the default values for the user accounts.

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

Default Settings for File System Parameters

This table lists the default settings for the file system parameters.

Table 1: Default File System Settings

Parameters	Default
Default filesystem	bootflash:

Additional References for Terminal Settings and Sessions

This section includes additional references for terminal settings and sessions on NX-OS devices.