



# Configuring Telnet

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## Information About the Telnet Server

The Telnet protocol enables you to set up TCP/IP connections to a host. Telnet allows a user at one site to establish a TCP connection to a login server at another site and then pass the keystrokes from one device to the other. Telnet can accept either an IPv4 address or a domain name as the remote device address.

## Prerequisites for Telnet

You have configured IP on a Layer 3 interface, out of band on the mgmt 0 interface, or inband on an Ethernet interface.

## Guidelines and Limitations for Telnet

- The Telnet server is disabled by default
- Cisco NX-OS commands may differ from Cisco IOS commands.

## Default Setting for Telnet

Parameter	Default
Telnet server	Disabled

## Configuring Telnet

### Enabling the Telnet Server

The Telnet server is disabled by default, but you can use this procedure to enable it if necessary.

#### Before You Begin

Before beginning this procedure, you must be logged in to the CLI in EXEC mode.

#### Procedure

	Command or Action	Purpose
<b>Step 1</b>	switch# <b>configure terminal</b>	Places you into global configuration mode.
<b>Step 2</b>	switch(config)# <b>feature telnet</b>	Enables the Telnet server.
<b>Step 3</b>	switch(config)# <b>show telnet server</b>	(Optional) Displays the Telnet server configuration.
<b>Step 4</b>	switch(config)# <b>copy running-config startup-config</b>	(Optional) Copies the running configuration to the startup configuration.

```
switch# configure terminal
switch(config)# feature telnet
switch(config)# show telnet server
telnet service enabled
switch(config)# copy running-config startup-config
```

### Starting an IP Telnet Session to a Remote Device

#### Before You Begin

Before beginning this procedure, you must have done the following:

- Logged in to the CLI in EXEC mode
- Verified that the Telnet server is enabled and it is also enabled on the remote device

- Obtained the hostname for the remote device and, if needed, the username on the remote device

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	switch# <b>telnet</b> { <i>ip address</i>   <i>host-name</i> } [ <i>port-number</i> ] [ <b>vrf</b> <i>vrf-name</i> ]	Creates an IP Telnet session to the specified destination. The keywords and arguments are as follows: <ul style="list-style-type: none"> <li>• <i>port-number</i>—The port number, from 1 to 65535, to use for this session. The default port number is 23</li> <li>• <i>vrf-name</i>—The default VRF is the default VRF.</li> </ul>

```
switch# telnet 10.10.1.1
```

## Clearing Telnet Sessions

### Before You Begin

Before beginning this procedure, you must be logged in to the CLI in EXEC mode.

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	switch# <b>show users</b>	Displays user session information.
<b>Step 2</b>	switch# <b>clear line</b> <i>vt-y-line</i>	Clears a user Telnet session.
<b>Step 3</b>	switch# <b>show users</b>	(Optional) Displays user session information.

```
switch# show users
NAME      LINE      TIME          IDLE          PID COMMENT
admin     tty1      Jul 25 19:13  old          2867
admin     pts/1     Jul 28 14:04  .            31453 (::ffff:171.70.209.8)
admin     pts/2     Jul 28 14:04  .            31475 (171.70.209.8)*
switch# clear line 1
switch# show users
NAME      LINE      TIME          IDLE          PID COMMENT
admin     tty1      Jul 25 19:13  old          2867
admin     pts/2     Jul 28 14:04  .            31475 (171.70.209.8)*
switch#
```

## Verifying the Telnet Configuration

Use one of the following commands to verify the configuration.

Command	Purpose
<b>show running-config security [all]</b>	Displays the user account configuration in the running configuration. The all keyword displays the default values for the user accounts.
<b>show telnet server</b>	Displays the telnet server configuration.
<b>show hosts</b>	Displays the configuration details for current hosts.
<b>show tcp connection</b>	Displays connection information.

## Feature History for Telnet

This table only includes updates for those releases that have resulted in additions to the feature.

Feature Name		Feature Information
Telnet	5.2(1)SM1(5.1)	This feature was introduced.