



CHAPTER 8

Configuring Telnet

This chapter describes how to configure Telnet and includes the following topics:

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- [Prerequisites for Telnet, page 8-1](#)
- [Guidelines and Limitations, page 8-2](#)
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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 person at one site to establish a TCP connection to a login server at another site and then passes the keystrokes from one device to the other. Telnet can accept either an IP address or a domain name as the remote device address.

Prerequisites for Telnet

Telnet has the following prerequisites:

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

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Guidelines and Limitations

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

Default Setting

The following table lists the default setting for Telnet.

Parameters	Default
Telnet server	Enabled.

Configuring Telnet

This section includes the following topics:

- [Enabling the Telnet Server, page 8-2](#)
- [Starting an IP Telnet Session to a Remote Device, page 8-3](#)
- [Clearing Telnet Sessions, page 8-4](#)

Enabling the Telnet Server

Use this procedure to enable the Telnet server. The Telnet server is enabled by default, but you can use this procedure to re-enable it if necessary.

BEFORE YOU BEGIN

Before beginning this procedure, you must know or do the following:

- You are logged in to the CLI in EXEC mode.
- By default, the Telnet server is enabled.

SUMMARY STEPS

1. **config t**
2. **feature telnet**
3. **exit**
4. **show telnet server**
5. **copy running-config startup-config**

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DETAILED STEPS

	Command	Purpose
Step 1	<code>config t</code> Example: n1000v# config t n1000v(config)#	Places you into CLI Global Configuration mode.
Step 2	<code>feature telnet</code> Example: n1000v(config)# feature telnet n1000v(config)#	Enables the Telnet server.
Step 3	<code>show telnet server</code> Example: n1000v(config)# show telnet server telnet service enabled n1000v(config)#	(Optional) Displays the Telnet server configuration.
Step 4	<code>copy running-config startup-config</code> Example: n1000v(config)# copy running-config startup-config	(Optional) Copies these changes made in the running configuration to the startup configuration.

Starting an IP Telnet Session to a Remote Device

Use this procedure to start a Telnet session to a remote device.

BEFORE YOU BEGIN

Before beginning this procedure, you must know or do the following.

- You are logged in to the CLI in EXEC mode.
- You have verified that the Telnet server is enabled on the remote device.
- You have already obtained the hostname for the remote device and, if needed, the username on the remote device.
- You have already verified that the Telnet server is enabled. If not you have enabled it using the [“Enabling the Telnet Server” procedure on page 8-2](#). By default, the Telnet server is enabled.

SUMMARY STEPS

1. `telnet {ip address | hostname} [port-number] [vrf vrf-name]`

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DETAILED STEPS

	Command	Purpose
Step 1	<pre>telnet {ip address host-name} [port-number] [vrf vrf-name]</pre> <p>Example: n1000v# telnet 10.10.1.1</p>	<p>Creates an IP Telnet session to the specified destination.</p> <p>port-number: The port number, from 1 to 65535, to use for this session. The default port number is 23.</p> <p>vrf-name: The default VRF is the default VRF.</p>

Clearing Telnet Sessions

Use this procedure to clear Telnet sessions.

BEFORE YOU BEGIN

Before beginning this procedure, you must know or do the following.

- You are logged in to the CLI in EXEC mode.

SUMMARY STEPS

- show users
- clear line *vtty-line*

DETAILED STEPS

	Command	Purpose
Step 1	<pre>show users</pre> <p>Example: n1000v# show users</p>	Displays user session information.
Step 2	<pre>clear line vty-line</pre> <p>Example: n1000v# clear line 1</p>	Clears a user Telnet session.
Step 3	<pre>show users</pre> <p>Example: n1000v# show users</p>	Displays user session information.

Example:

```
n1000v# 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)*
n1000v# clear line 1
n1000v# 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)*
n1000v#
```

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Verifying the Telnet Configuration

To display the Telnet configuration information, use one of the following commands:

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

Example:

```
n1000v# show running-config security all
version 4.0(1)
username admin password 5 $1$xMw2Q/1S$ZEWrvyAxAJAFV0weuSPvg1 role network-admin
username user2 password 5 $1$byNNnnSP$xfXVKje5UEScvriwX3Kyj0 role network-operator
username user2 sshkey ssh-rsa
AAAAB3NzaC1yc2EAAAABIwAAAQEAyKcb7Nv9Ki100Id9/tdHhA/ngQujlvK5mXyL/n+DeOXXfVhHbX2a+V0cm7CCLU
kBh+BvZRmpmOVTmU/5awfVhVxMKXMiPOPbc+A6/n3FVroyRwupMki6mW
oM6UwaGID5gsVPqFjFNSgMwtbhjo97XVKhgjFW+wOVt8QoAcrEtnwEfsnQk1EIr/0XIP1mqTsrqTsmjZ2vLk+fFzTG
YAxMvYZI+BrN47aoh2yws7CpnODjCDXJuDYSPbc3PA8t0ghU/60m9R+s6AZPuljVQbGfxPrahEu4GVc6sMJNU1
JxmQDJkodhMARObB4Umzj7E3Rdby/ZWx/clTYiXQR1X1VfhQ==
telnet server enable

banner motd # User Access Verification #

ssh key rsa 1024 force
no ssh key dsa force
ssh server enable
```

Additional References

For additional information related to implementing Telnet, see the following sections:

- [Related Documents, page 8-5](#)
- [Standards, page 8-6](#)

Related Documents

Related Topic	Document Title
SSH	Chapter 7, “Configuring SSH”
CLI	<i>Cisco Nexus 1000V Getting Started Guide, Release 4.2(1)SV1(4a)</i>

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Standards

Standards	Title
No new or modified standards are supported by this feature, and support for existing standards has not been modified by this feature.	—

Feature History for Telnet

This section provides the Telnet release history.

Feature Name	Releases	Feature Information
Telnet	4.0(4)SV1(1)	This feature was introduced.