



CHAPTER 7

Configuring Telnet

This chapter describes how to configure Telnet on Nexus 1000V and includes the following topics:

- [Information About the Telnet Server, page 7-1](#)
- [Prerequisites for Telnet, page 7-1](#)
- [Guidelines and Limitations, page 7-2](#)
- [Configuring Telnet, page 7-2](#)
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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.



Note

On Nexus 1000V, the Telnet server is enabled by default.

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

- By default, the Telnet server is enabled.

**Note**

Be aware that the Nexus 1000V commands might differ from the Cisco IOS commands.

Configuring Telnet

This section includes the following topics:

- [Enabling the Telnet Server, page 7-2](#)
- [Starting an IP Telnet Session to a Remote Device, page 7-3](#)
- [Clearing Telnet Sessions, page 7-4](#)

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. `telnet server enable`
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>telnet server enable</code> Example: n1000v(config)# telnet server enable 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 on the Nexus 1000V is enabled. If not you have enabled it using the [“Enabling the Telnet Server” procedure on page 7-2](#). 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
JxmQDJkdhMArObB4Umzj7E3Rdby/ZWx/clTYiXQR1X1VfhQ==
telnet server enable

banner motd # User Access Verification #

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

Default Setting

The following table lists the default setting for Telnet.

Parameters	Default
Telnet server	Disabled.

Additional References

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

- [Related Documents, page 7-6](#)
- [Standards, page 7-6](#)

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Related Documents

Related Topic	Document Title
SSH	Configuring SSH, page 6-1
CLI	<i>Cisco Nexus 1000V Getting Started Guide, Release 4.0(4)SV1(1)</i>

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	This feature was introduced.