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## T Commands

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This chapter describes the basic Cisco NX-OS system commands that begin with T.

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# tail

To display the last lines of a file, use the **tail** command.

```
tail [filesystem: [//server/]] [directory] filename [lines]
```

Syntax Description	
<i>filesystem</i> :	(Optional) Name of the file system. Valid values are <b>bootflash</b> , <b>modflash</b> , or <b>volatile</b> .
<i>//server/</i>	(Optional) Name of the server. Valid values are <i>//</i> , <b>//module-1/</b> , <b>//sup-1/</b> , <b>//sup-active/</b> , or <b>//sup-local/</b> . The double slash ( <i>//</i> ) is required.
<i>directory</i>	(Optional) Name of a directory. The directory name is case sensitive.
<i>filename</i>	Name of the file to display. The filename is case sensitive.
<i>lines</i>	(Optional) Number of lines to display. The range is from 0 to 80.



## Note

There can be no spaces in the *filesystem://server/directory/filename* string. Individual elements of this string are separated by colons (*:*) and slashes (*/*).

**Command Default** Displays the last 10 lines.

**Command Modes** EXEC mode

Command History	Release	Modification
	4.0(0)N1(1a)	This command was introduced.

**Examples** This example shows how to display the last 10 lines of a file:

```
switch# tail bootflash:startup.cfg
```

This example shows how to display the last 20 lines of a file:

```
switch# tail bootflash:startup.cfg 20
```

Related Commands	Command	Description
	<b>cd</b>	Changes the current working directory.
	<b>copy</b>	Copies files.
	<b>dir</b>	Displays the directory contents.
	<b>pwd</b>	Displays the name of the current working directory.

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## terminal length

To set the number of lines of output to display on the terminal screen for the current session before pausing, use the **terminal length** command. To revert to the default, use the **no** form of this command.

**terminal length** *lines*

**terminal no length**

Syntax Description	<i>lines</i>	Number of lines to display. The range is from 0 to 511. Use 0 to not pause while displaying output.
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Command Default	The initial default for the console is 0 (do not pause output). The initial default for virtual terminal sessions is defined by the client software. The default for the <b>no</b> form is 24 lines.
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Command Modes	EXEC mode
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Command History	Release	Modification
	4.0(0)N1(1a)	This command was introduced.

Usage Guidelines	The session pauses after displaying the number of lines set in the terminal length. Press the space bar to display another screen of lines or press the <b>Enter</b> key to display another line. To return to the command prompt, press <b>Ctrl-C</b> .
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The terminal length setting applies only to the current session.

Examples	This example shows how to set the number of lines of command output to display on the terminal before pausing:
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```
switch# terminal length 28
```

This example shows how to revert to the default number of lines:

```
switch# terminal no length
```

Related Commands	Command	Description
	<b>show terminal</b>	Displays the terminal session configuration.

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## terminal session-timeout

To set the terminal inactivity timeout for the current session, use the **terminal session-timeout** command. To revert to the default, use the **no** form of this command.

**terminal session-timeout** *minutes*

**terminal no session-timeout**

<b>Syntax Description</b>	<i>minutes</i>	Number of minutes. The range is from 0 to 525600 minutes (8760 hours). Use 0 to disable the terminal inactivity timeout.
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<b>Command Default</b>	Terminal session timeout is disabled (0 minutes).
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<b>Command Modes</b>	EXEC mode
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	4.0(0)N1(1a)	This command was introduced.

<b>Usage Guidelines</b>	The terminal session inactivity timeout setting applies only to the current session.
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<b>Examples</b>	This example shows how to set the terminal inactivity timeout for the session to 10 minutes:
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```
switch# terminal session-timeout 10
```

<b>Examples</b>	This example shows how to revert to the default terminal inactivity timeout for the session:
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```
switch# terminal no session-timeout
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>show terminal</b>	Displays the terminal session configuration.

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## terminal terminal-type

To set the terminal type for the current session, use the **terminal terminal-type** command. To revert to the default, use the **no** form of this command.

**terminal terminal-type** *type*

**terminal no terminal-type**

<b>Syntax Description</b>	<i>type</i>	Type of terminal. The type string is case sensitive, must be a valid type (for example, ansi, vt100, or xterm), and has a maximum of 80 characters.
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<b>Command Default</b>	For a virtual terminal, the terminal type is set during negotiation with the client software. Otherwise, vt100 is the default.	
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<b>Command Modes</b>	EXEC mode	
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	4.0(0)N1(1a)	This command was introduced.

<b>Usage Guidelines</b>	The terminal type setting applies only to the current session.	
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<b>Examples</b>	This example shows how to set the terminal type:	
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```
switch# terminal terminal-type xterm
```

This example shows how to revert to the default terminal type:

```
switch# terminal no terminal-type
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>show terminal</b>	Displays the terminal session configuration.

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## terminal width

To set the number of character columns on the terminal screen for the current line for a session, use the **terminal width** command. To revert to the default, use the **no** form of this command.

**terminal width** *columns*

**terminal no width**

<b>Syntax Description</b>	<i>columns</i>	Number of columns. The range is from 24 to 511.
<b>Command Default</b>	For a virtual terminal, the width is set during negotiation with the client software. Otherwise, 80 columns is the default.	
<b>Command Modes</b>	EXEC mode	
<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	4.0(0)N1(1a)	This command was introduced.
<b>Usage Guidelines</b>	The terminal width setting applies only to the current session.	
<b>Examples</b>	This example shows how to set the number of columns to display on the terminal: switch# <b>terminal width 70</b>	
	This example shows how to revert to the default number of columns: switch# <b>terminal no width</b>	
<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>show terminal</b>	Displays the terminal session configuration.

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## traceroute

To discover the routes that packets take when traveling to an IP address, use the **traceroute** command.

```
traceroute {dest-addr | hostname} [vrf {vrf-name | default | management}] [source src-addr]
```

Syntax Description		
<i>dest-addr</i>		IP address of the destination device. The format is <i>A.B.C.D</i> .
<i>hostname</i>		Name of the destination device. The name is case sensitive.
<b>vrf</b> <i>vrf-name</i>		(Optional) Specifies the virtual routing and forwarding (VRF) to use. The name is case sensitive.
<b>default</b>		(Optional) Specifies the default VRF.
<b>management</b>		(Optional) Specifies the management VRF.
<b>source</b> <i>src-addr</i>		(Optional) Specifies a source IP address. The format is <i>A.B.C.D</i> . The default is the IPv4 address for the management interface of the switch.

Command Default	
	None

Command Modes	
	EXEC mode

Command History	Release	Modification
	4.0(0)N1(1a)	This command was introduced.

Examples	
	This example shows how to discover a route to a network device: <pre>switch# <b>traceroute</b> 192.0.255.18 <b>vrf</b> management</pre>

Related Commands	Command	Description
	<b>ping</b>	Displays the network connectivity to another network device.
	<b>traceroute6</b>	Discovers the route to a device using IPv6 addressing.

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## traceroute6

To discover the routes that packets take when traveling to an IPv6 address, use the **traceroute6** command.

```
traceroute6 {dest-addr | hostname} [vrf {vrf-name | default | management}] [source src-addr]
```

Syntax Description		
<i>dest-addr</i>		IPv6 address of the destination device. The format is <i>A:B::C:D</i> .
<i>hostname</i>		Name of the destination device. The name is case sensitive.
<b>vrf</b> <i>vrf-name</i>		(Optional) Specifies the virtual routing and forwarding (VRF) instance. The name is case sensitive and can be a maximum of 32 alphanumeric characters.
<b>default</b>		(Optional) Specifies the default VRF.
<b>management</b>		(Optional) Specifies the management VRF.
<b>source</b> <i>src-addr</i>		(Optional) Specifies a source IPv6 address. The format is <i>A:B::C:D</i> . The default is the IPv6 address for the management interface of the switch.

**Command Default** None

**Command Modes** EXEC mode

Command History	Release	Modification
	4.0(1a)N1(1)	This command was introduced.

**Examples** This example shows how to discover a route to a device:

```
switch# traceroute6 2001:0DB8::200C:417A vrf management
```

Related Commands	Command	Description
	<b>ping6</b>	Determines connectivity to another device using IPv6 addressing.
	<b>traceroute</b>	Discovers the route to a device using IPv4 addressing.