



# Show Command Output Redirection

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The Show Command Output Redirection feature adds the capability to redirect output from Cisco IOS command-line interface (CLI) **show** commands and **more** commands to a file. This allows you to save the output of these commands to local or remote storage for event analysis and troubleshooting.

## Finding Feature Information in This Module

Your Cisco IOS software release may not support all of the features documented in this module. To reach links to specific feature documentation in this module and to see a list of the releases in which each feature is supported, use the “[Feature Information for Show Command Output Redirection](#)” section on page 9.

## Finding Support Information for Platforms and Cisco IOS Software Images

Use Cisco Feature Navigator to find information about platform support and Cisco IOS software image support. Access Cisco Feature Navigator at <http://www.cisco.com/go/fn>. You must have an account on Cisco.com. If you do not have an account or have forgotten your username or password, click **Cancel** at the login dialog box and follow the instructions that appear.

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Corporate Headquarters:  
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

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## Prerequisites for Show Command Output Redirection

You must have permission to write to the destination URL.

## Information About Show Command Output Redirection

This section contains the following information about the Show Command Output Redirection feature:

- [show and more Command Output Keywords for Writing to a File, page 2](#)

### show and more Command Output Keywords for Writing to a File

This feature enhances the **show** commands in the Cisco IOS CLI to allow large amounts of data output to be written directly to a file for later reference. This file can be saved on local or remote storage devices such as flash memory, a SanDisk, or an external memory device.

For each **show** command issued, a new file can be created, or the output can be appended to an existing file. Command output can optionally be displayed on-screen while being redirected to a file by using the **tee** keyword. Redirection is available using a pipe (|) character after any **show** command, combined with the **redirect**, **append**, or **tee** keywords.

These extensions can also be added to **more** commands.

## How to Configure Show Command Output Redirection

There are no tasks for Show Command Output Redirection.

For usage guidelines, see the command pages in the [“Command Reference” section on page 3](#).

## Configuration Examples for Show Command Output Redirection

There are no configuration examples for Show Command Output Redirection.

## Additional References

The following sections provide references related to the Show Command Output Redirection feature.

## Related Documents

Related Topic	Document Title
Information about specific <b>more</b> commands	<a href="#">Cisco IOS Configuration Fundamentals Command Reference, Release 12.4</a>
Information about specific <b>show</b> commands	<a href="#">Cisco IOS Release 12.4 command references</a>

## Standards

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

## MIBs

MIB	MIBs Link
No new or modified MIBs are supported by this feature, and support for existing MIBs has not been modified by this feature.	To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use Cisco MIB Locator found at the following URL:  <a href="http://www.cisco.com/go/mibs">http://www.cisco.com/go/mibs</a>

## RFCs

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

## Technical Assistance

Description	Link
The Cisco Technical Support & Documentation website contains thousands of pages of searchable technical content, including links to products, technologies, solutions, technical tips, and tools. Registered Cisco.com users can log in from this page to access even more content.	<a href="http://www.cisco.com/techsupport">http://www.cisco.com/techsupport</a>

## Command Reference

This section documents modified commands only.

- [more <url> append](#)
- [show <command> append](#)
- [show <command> redirect](#)
- [show <command> tee](#)

## more <url> append

To redirect and add the output of any **more** command to an existing file, use the **more url | append** command in privileged EXEC mode.

**more url | append destination-url**

<b>Syntax Description</b>	<p><b>more url</b></p> <p>The Cisco IOS File System (IFS) URL specifying the location of the file to be displayed.</p> <p>The Cisco IFS uses URLs to specify the location of a file system, directory, and file. Typical URL elements include:</p> <p><i>prefix:[directory]/filename</i></p>
	<p><b>  append destination-url</b></p> <p>The addition of this syntax redirects the command output to the file location specified in the destination-URL. The pipe ( ) is required. You should specify at least a prefix and a name of a previously created file.</p> <p>For the destination URL, prefixes can be local file locations, such as <b>flash:</b> or <b>disk0:</b>. Alternatively, you can specify network locations using the following syntax:</p> <p><b>ftp:</b>[[//[username[:password]@]location]/directory]/filename</p> <p><b>tftp:</b>[[//location]/directory]/filename</p> <p><b>Note</b> The <b>rtp:</b> prefix is not supported.</p>

**Command Modes** Privileged EXEC

Command History	Release	Modification
	12.0(21)S	This command was introduced.
	12.2(13)T	This command was integrated into Cisco IOS Release 12.2(13)T.
	12.2(28)SB	This command was integrated into Cisco IOS Release 12.2(28)SB.

**Usage Guidelines**

This command adds the **more** command output to the end of the specified file. Unlike most applications of the **more** command, the output is not paused at a -More- prompt when the **| append** extension is used. Therefore, use of this command is essentially equivalent to using the **show url | append ?** command.

To display all destination URL prefixes that are supported for this command, use the **more url | append ?** command.

**Examples**

In the following example, **more system:running-config** command output is appended to an existing file called “mar-runconfig” in slot 0:

```
Router> enable
Password:
Router# show slot0:
```

```

-#- ED ----type---- --crc--- -seek-- nlen -length- -----date/time----- name
1 .. image      D052F5B4  E8488C  22 14960652 Mar 09 2003 00:58:18 c7200-p-mz.122-14.6.T2
2 .. unknown    D35321D3  E8509C   4    1934 Mar 23 2003 20:25:07 mar-runconfig

9680756 bytes available (14960780 bytes used)

Router# more system:?

system:its system:memory system:running-config system:vfiles

Router# more system:running-config | redirect slot0:mar-runconfig

Router# more slot0:mar-runconfig
!
! Last configuration change at 15:35:57 PST Sat Mar 22 2003
!
version 12.2
no service pad
service timestamps debug uptime
service timestamps log datetime localtime show-timezone year
no service password-encryption
service sequence-numbers
!
hostname Router
!
logging queue-limit 100
.
.
.

```

**Related Commands**

Command	Description
<b>more &lt;url&gt;   redirect</b>	Redirects the output of any <b>more</b> command to a specified file.
<b>show &lt;command&gt;   redirect</b>	Redirects the output of any <b>show</b> command to a specified file.
<b>show &lt;command&gt;   tee</b>	Copies the <b>show</b> command output to a file while displaying it on the terminal.

# show <command> append

To redirect and add the output of any **show** command to an existing file, use the **show append** command in privileged EXEC mode.

**show** *command* | **append** *url*

Syntax Description	<i>command</i>	Any Cisco IOS <b>show</b> command.
	<b>append</b> <i>url</i>	<p>The addition of this syntax redirects the command output to the file location specified in the URL. The pipe ( ) is required.</p> <p>The Cisco IOS File System (IFS) uses URLs to specify the location of a file system, directory, and file. Typical URL elements include:</p> <p><i>prefix:[directory]/filename</i></p> <p>Prefixes can be local file locations, such as <b>flash:</b> or <b>disk0:</b>. Alternatively, you can specify network locations using the following syntax:</p> <p><b>ftp:</b>[[//[username[:password]@]location]/directory]/filename</p> <p><b>tftp:</b>[[//location]/directory]/filename</p> <p><b>Note</b> The <b>rcp:</b> prefix is not supported.</p>

Command Modes	Privileged EXEC
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Command History	Release	Modification
	12.0(21)S	This command was introduced.
	12.2(13)T	This command was integrated into Cisco IOS Release 12.2(13)T.
	12.2(28)SB	This command was integrated into Cisco IOS Release 12.2(28)SB.

Usage Guidelines	<p>To display all URL prefixes that are supported for this command, use the <b>show command   append ?</b> command.</p>
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This command adds the **show** command output to the end of the specified file.

Related Commands	Command	Description
	<b>show &lt;command&gt; redirect</b>	Redirects the output of any <b>show</b> command to a specified file.
	<b>show &lt;command&gt; tee</b>	Copies the <b>show</b> command output to a file while displaying it on the terminal.

# show <command> redirect

To redirect the output of any **show** command to a file, use the **show redirect** command in privileged EXEC mode.

**show command | redirect url**

Syntax Description	command	Any Cisco IOS <b>show</b> command.
	<b>redirect url</b>	<p>The addition of this syntax redirects the command output to the file location specified in the URL. The pipe ( ) is required.</p> <p>The Cisco IOS File System (IFS) uses URLs to specify the location of a file system, directory, and file. Typical URL elements include:</p> <p><i>prefix:[directory]/filename</i></p> <p>Prefixes can be local file locations, such as <b>flash:</b> or <b>disk0:</b>. Alternatively, you can specify network locations using the following syntax:</p> <p><b>ftp:</b><i>[[//[username[:password]@]location]/directory]/filename</i></p> <p><b>tftp:</b><i>[[//location]/directory]/filename</i></p> <p><b>Note</b> The <b>rcp:</b> prefix is not supported.</p>

Command Modes	Privileged EXEC
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Command History	Release	Modification
	12.0(21)S	This command was introduced.
	12.2(13)T	This command was integrated into Cisco IOS Release 12.2(13)T.
	12.2(28)SB	This command was integrated into Cisco IOS Release 12.2(28)SB.

**Usage Guidelines** To display all URL prefixes that are supported for this command, use the **show command | redirect ?** command.

This command creates a new file at the specified location or overwrites an existing file.

Related Commands	Command	Description
	<b>show &lt;command&gt; append</b>	Redirects and appends <b>show</b> command output to the end of an existing file.
	<b>show &lt;command&gt; tee</b>	Copies the <b>show</b> command output to a file while displaying it on the terminal.

# show <command> tee

To copy the output of any **show** command to a file while displaying it on the terminal, use the **show tee** command in privileged EXEC mode.

```
show command | tee [/append] url
```

Syntax Description	command	Any Cisco IOS <b>show</b> command.
	tee url	The addition of this syntax copies the command output to the file location specified in the URL. The pipe ( ) is required.  The Cisco IOS File System (IFS) uses URLs to specify the location of a file system, directory, and file. Typical URL elements include:  <i>prefix:[directory]/filename</i>  Prefixes can be local file locations, such as <b>flash:</b> or <b>disk0:</b> . Alternatively, you can specify network locations using the following syntax:  <b>ftp:</b> [[//[username[:password]@]location]/directory]/filename <b>tftp:</b> [[//location]/directory]/filename  <b>Note</b> The <b>rcp:</b> prefix is not supported.
	/append	(Optional) Adds the <b>show</b> command output to an existing file.

Command Modes	Privileged EXEC
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Command History	Release	Modification
	12.0(21)S	This command was introduced.
	12.2(13)T	This command was integrated into Cisco IOS Release 12.2(13)T.
	12.2(28)SB	This command was integrated into Cisco IOS Release 12.2(28)SB.

Usage Guidelines	To display all URL prefixes that are supported for this command, use the <b>show command   tee ?</b> command.
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The **tee** keyword was chosen to reflect that output is redirected to two locations: the terminal and a file (as a tee plumbing junction redirects water to two different pipes).

Related Commands	Command	Description
	<b>show &lt;command&gt; redirect</b>	Redirects the output of any <b>show</b> command to a specified file.
	<b>show &lt;command&gt; append</b>	Redirects the output of any <b>show</b> command and adds it to the end of existing file.

# Feature Information for Show Command Output Redirection

Table 1 lists the release history for this feature.

Not all commands may be available in your Cisco IOS software release. For release information about a specific command, see the command reference documentation.

Cisco IOS software images are specific to a Cisco IOS software release, a feature set, and a platform. Use Cisco Feature Navigator to find information about platform support and Cisco IOS software image support. Access Cisco Feature Navigator at <http://www.cisco.com/go/fn>. You must have an account on Cisco.com. If you do not have an account or have forgotten your username or password, click **Cancel** at the login dialog box and follow the instructions that appear.



Note

Table 1 lists only the Cisco IOS software release that introduced support for a given feature in a given Cisco IOS software release. Unless noted otherwise, subsequent maintenance releases of that Cisco IOS software release also support that feature.

**Table 1** Feature Information for Show Command Output Redirection

Feature Name	Releases	Feature Information
Show Command Output Redirection	12.0(21)S, 12.2(13)T, 12.2(28)SB	<p>The Show Command Output Redirection feature adds the capability to redirect output from Cisco IOS command-line interface (CLI) <b>show</b> commands and <b>more</b> commands to a file. This allows you to save the output of these commands to local or remote storage for event analysis and troubleshooting.</p> <p>In 12.0(21)S, this feature was introduced.</p> <p>In 12.2(13)T, this feature was integrated into a Cisco IOS 12.2T release.</p> <p>In 12.2(28)SB, this feature was integrated into a Cisco IOS 12.2SB release.</p> <p>The following sections provide information about this feature:</p> <ul style="list-style-type: none"> <li><a href="#">show and more Command Output Keywords for Writing to a File, page 2</a></li> </ul> <p>The following commands were modified by this feature: <b>more &lt;url&gt; append</b>, <b>show &lt;command&gt; append</b>, <b>show &lt;command&gt; redirect</b>, <b>show command&gt; tee</b>.</p>

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