



CISCO-CONFIG-COPY-MIB: Secure Copy Support

The CISCO-CONFIG-COPY-MIB: Secure Copy Support feature enhances the CISCO-CONFIG-COPY-MIB by adding support for the **copy** Cisco IOS EXEC command, and implementing file transfers between a router and server using the secure copy protocol (scp).

Feature Specifications for CISCO-CONFIG-COPY-MIB: Secure Copy Support

Feature History

Release	Modification
12.3(2)T	This feature was introduced.

Supported Platforms

Cisco 1710, Cisco 3600 series, Cisco 3725, Cisco 3745, Cisco 6400-NRP series, Cisco 7200, Cisco 7400, Cisco 7500, Cisco AS5300, Cisco AS5350, Cisco AS5400, Cisco AS5850, Cisco CVA 120, Cisco ICS 7750, Cisco ONS 15104, Cisco uBR 7200, Cisco uBR 925

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** the login dialog box and follow the instructions that appear.

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

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Information About CISCO-CONFIG-COPY-MIB Secure Copy Support

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CISCO-CONFIG-COPY-MIB Secure Copy Implementation

CISCO-CONFIG-COPY-MIB is platform-independent and provides objects to allow the copy functionality. For example, there are objects that provide the status of a copy operation and the reason for failure, if any.

This feature provides network management software with the ability to copy running and startup configuration files from a Cisco router that supports scp.

Use the SNMP Object Navigator tool in the Cisco MIB Locator at this web location, <http://tools.cisco.com/ITDIT/MIBS/servlet/index>, to view the CISCO-CONFIG-COPY-MIB.

Cisco IOS Software Secure Copy Support

Berkeley r-tool suite; however, scp functionality was not included. Cisco customers are becoming increasingly aware of security issues and have routers that they need to manage securely. In addition to the file copy enhancements added to the CISCO-CONFIG-COPY-MIB in the Cisco IOS Release 12.3(2)T, the **scp:** **copy**

How to Use Secure Copy Support

- (required for secure file transfers)

Using Secure Copy Support

- *Secure Copy*
SSH Terminal-Line Access

SUMMARY STEPS

1. **enable**
2. **flash:destination-filename username@{location || || }**

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable Example: Router> enable	•
Step 2	<pre> destination-filename ://username {location directory filename} Router#</pre>	

Configuration Examples for Secure Copy Support

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Secure Copy Support Configuration and File Copy Example

a remote workstation. Because SCP relies on authentication, authorization, and accounting (AAA) authentication and authorization to function properly, AAA must be configured.

```

aaa new-model
aaa authentication login default tac-group tacacs+
aaa authorization exec default local
username user1 privilege 15 password 0 lab
ip scp server enable
```

```

Router# copy flash:c4500-ik2s-mz.scp scp://user1@host1/

Address or name of remote host [host1]?
Destination username [user1]?
Destination filename [c4500-ik2s-mz.scp]?
Writing c4500-ik2s-mz.scp
Password:
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```



Note

When using scp, you cannot enter the password into the EXEC command; enter the password when prompted.

Additional References

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Related Documents

Related Topic	Document Title
	“ ” chapter in the Cisco IOS Configuration Fundamentals and Network Management Configuration Guide.

Standards

Standards	Title
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MIBs

MIBs	MIBs Link
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RFCs

RFCs	Title
	Network Working Group Internet-Draft “SSH Connection Protocol,” which can be obtained from the following URL: ftp://ftp.ietf.org/internet-drafts/draft-ietf-secsh-connect-16.txt

Technical Assistance

Technical Assistance Center (TAC) home page, containing 30,000 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.	http://www.cisco.com/public/support/tac/home.shtml
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Command Reference

ip scp server enable

http://www.cisco.com/en/US/docs/ios/security/command/reference/sec_book.html.

For information about all Cisco IOS commands, see the Command Lookup Tool at

<http://tools.cisco.com/Support/CLILookup> or the Master Command List.

Any Internet Protocol (IP) addresses used in this document are not intended to be actual addresses. Any examples, command display output, and figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses in illustrative content is unintentional and coincidental.

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