



Linux and UNIX Man Pages

Linux 2.6 - man page for scp (linux section 1)

SCP(1)

BSD General Commands Manual

SCP(1)

NAME

scp -- secure copy (remote file copy program)

SYNOPSIS

scp [-12346BCpqrv] [-c cipher] [-F ssh_config] [-i identity_file] [-L limit] [-o ssh_option] [-P port] [-S program] [[user@]host1:]file1 ...
[[user@]host2:]file2

DESCRIPTION

scp copies files between hosts on a network. It uses ssh(1) for data transfer, and uses the same authentication and provides the same security as ssh(1). Unlike rcp(1), scp will ask for passwords or passphrases if they are needed for authentication.

File names may contain a user and host specification to indicate that the file is to be copied to/from that host. Local file names can be made explicit using absolute or relative pathnames to avoid scp treating file names containing ':' as host specifiers. Copies between two remote hosts are also permitted.

The options are as follows:

-1

Forces scp to use protocol 1.

-2

Forces scp to use protocol 2.

-3

Copies between two remote hosts are transferred through the local host. Without this option the data is copied directly between the two remote hosts. Note that this option disables the progress meter.

-4

Forces scp to use IPv4 addresses only.

-6

Forces scp to use IPv6 addresses only.

-B

Selects batch mode (prevents asking for passwords or passphrases).

-C

Compression enable. Passes the -C flag to ssh(1) to enable compression.

-c cipher

Selects the cipher to use for encrypting the data transfer. This option is directly passed to ssh(1).

-F ssh_config

Specifies an alternative per-user configuration file for ssh. This option is directly passed to ssh(1).

-i identity_file

Selects the file from which the identity (private key) for public key authentication is read. This option is directly passed to [ssh\(1\)](#).

-L limit

Limits the used bandwidth, specified in Kbit/s.

-o ssh_option

Can be used to pass options to ssh in the format used in [ssh_config\(5\)](#). This is useful for specifying options for which there is no separate scp command-line flag. For full details of the options listed below, and their possible values, see [ssh_config\(5\)](#).

AddressFamily
BatchMode
BindAddress
ChallengeResponseAuthentication
CheckHostIP
Cipher
Ciphers
Compression
CompressionLevel
ConnectionAttempts
ConnectTimeout
ControlMaster
ControlPath
GlobalKnownHostsFile
GSSAPIAuthentication
GSSAPIDelegateCredentials
HashKnownHosts
Host
HostbasedAuthentication
HostKeyAlgorithms
HostKeyAlias
HostName
IdentityFile
IdentitiesOnly
IPQoS
KbdInteractiveDevices
KexAlgorithms
LogLevel
MACs
NoHostAuthenticationForLocalhost
NumberOfPasswordPrompts
PasswordAuthentication
PKCS11Provider
Port
PreferredAuthentications
Protocol
ProxyCommand
PubkeyAuthentication
RekeyLimit
RhostsRSAAuthentication
RSAAuthentication
SendEnv
ServerAliveInterval
ServerAliveCountMax
StrictHostKeyChecking
TCPKeepAlive
UsePrivilegedPort
User
UserKnownHostsFile
VerifyHostKeyDNS

-P port

Specifies the port to connect to on the remote host. Note that this option is written with a capital 'P', because **-p** is already reserved for preserving the times and modes of the file in [rcp\(1\)](#).

-p

Preserves modification times, access times, and modes from the original file.

-q

Quiet mode: disables the progress meter as well as warning and diagnostic messages from [ssh\(1\)](#).

-r

Recursively copy entire directories. Note that scp follows symbolic links encountered in the tree traversal.

-S program

Name of program to use for the encrypted connection. The program must understand [ssh\(1\)](#) options.

-v

Verbose mode. Causes scp and [ssh\(1\)](#) to print debugging messages about their progress. This is helpful in debugging connection, authentication, and configuration problems.

The scp utility exits 0 on success, and >0 if an error occurs.

SEE ALSO

[rcp\(1\)](#), [sftp\(1\)](#), [ssh\(1\)](#), [ssh-add\(1\)](#), [ssh-agent\(1\)](#), [ssh-keygen\(1\)](#), [ssh_config\(5\)](#), [sshd\(8\)](#).

HISTORY

scp is based on the [rcp\(1\)](#) program in BSD source code from the Regents of the University of California.

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All times are GMT -4. The time now is 02:07 PM.

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