# smbclient SMB share client

## CONCEPTS

Remote commands act on the share; lcd and ! act on your local machine. Quote paths with spaces.

**smbclient -L** find shares
↓ pick share
**//host/share** authenticate
↓ smb: \>
**Prompt** ls, get, put

mget and mput ask per file and skip subdirectories until you toggle prompt and recurse.

## CONNECT

**smbclient -L** *<host>*
List shares on a server

**smbclient -L** *<host>* **-N**
List shares anonymously

**smbclient //***<host>***/***<share>*
Open a share interactively

**smbclient //***<host>***/***<share>* **-U** *<user>*
Connect as a user

**smbclient //***<host>***/***<share>* **-U** *<domain>******<user>*
Connect as a domain user

**smbclient //***<host>***/***<share>* **-N**
Connect without a password

**smbclient //***<host>***/***<share>* **-A** *<file>*
Read credentials from a file

**smbclient //***<host>***/***<share>* **-I** *<ip>*
Connect by IP address

**smbclient //***<host>***/***<share>* **-p** *<port>*
Use another TCP port

**smbclient //***<host>***/***<share>* **-m SMB3**
Cap the protocol version

**smbclient //***<host>***/***<share>* **--use-kerberos=required**
Authenticate with Kerberos

**smbclient //***<host>***/***<share>* **--client-protection=encrypt**
Require encryption

## CONNECT (cont.)

**smbclient -L** *<host>* **-g**
Machine-readable share list

## NAVIGATE

**ls [***<mask>***]**
List remote files

**cd** *<dir>*
Change remote directory

**lcd** *<dir>*
Change local directory

**du** *<dir>*
List with disk usage and free space

**!** *<command>*
Run a local shell command

**more** *<file>*
Page a remote file

**help [***<command>***]**
Show command help

**exit**
End the session

## TRANSFER

**get** *<remote>* **[***<local>***]**
Download a file

**put** *<local>* **[***<remote>***]**
Upload a file

**mget** *<mask>*
Download matching files

**mput** *<mask>*
Upload matching files

**prompt**
Toggle per-file confirmation

**recurse**
Toggle recursion into subdirectories

**mask** *<mask>*
Filter for recursive transfers

**scopy** *<src>* *<dst>*
Copy on the server

## MANAGE FILES

**mkdir** *<dir>*
Create a remote directory

## MANAGE FILES (cont.)

**rmdir** *<dir>*
Remove a remote directory

**del** *<mask>*
Delete files

**deltree** *<mask>*
Delete recursively

**rename** *<old>* *<new>*
Rename or move a file

**allinfo** *<file>*
Show all file information

## SCRIPTING

**smbclient //***<host>***/***<share>* **-c "***<cmds>***"**
Run commands, then exit

## TAR BACKUP

**smbclient //***<host>***/***<share>* **-Tc** *<file>***.tar**
Back up the share to a tar

**smbclient //***<host>***/***<share>* **-Tx** *<file>***.tar**
Restore a tar to the share

## RECIPES

### Download a whole directory

```
smbclient //<host>/<share> -U
<user>
smb: \> cd <dir>
smb: \> recurse ON
smb: \> prompt OFF
smb: \> mget *
```

### One-shot upload

```
smbclient //<host>/<share> -A
~/.smbcred \
  -c "cd <dir>; put report.pdf"
```

### Back up a share to a local archive

```
smbclient //<host>/<share> -A
~/.smbcred \
  -Tc backup.tar
```

### Find shares, then mount one

```
smbclient -L <host> -U <user>
sudo mount -t cifs //<host>/
<share> /mnt \
  -o username=<user>
```

## HELP

**smbclient --help**
Option summary