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

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

rmdir *<dir>*
Remove a remote directory

del *<mask>*
Delete files

deltree *<mask>*
Delete recursively

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

MANAGE FILES (cont.)

allinfo *<file>*
Show all file information

SCRIPTING

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

smbclient //*<host>***/***<share>* **-U** *<user>***%***<pass>*
Give the password inline

smbclient //*<host>***/***<share>* **-d** *<level>*
Set debug level 0-10

smbclient //*<host>***/***<share>* **--option="***<name>***=***<value>***"**
Override an smb.conf option

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

smbclient //*<host>***/***<share>* **-Tc** *<file>***.tar** *<path>*
Back up only a path

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