NAME

smbtorture - Run a series of tests against a SMB server

SYNOPSIS

smbtorture {//server/share} [-d debuglevel] [-U user%pass] [-k] [-N numprocs] [-n netbios_name]
[-W workgroup] [-e num files(entries)] [-O socket_options] [-m maximum_protocol]
[-L] [-c CLIENT.TXT] [-t timelimit] [-C filename] [-A] [-p port] [-s seed]
[-f max_failures] [-X] {BINDING-STRING|UNC} {TEST1} [TEST2] [...]

DESCRIPTION

smbtorture is a testsuite that runs several tests against a SMB server. All tests are known to succeed against a Windows 2003 server (?). Smbtorture's primary goal is finding differences in implementations of the SMB protocol and testing SMB servers.

Any number of tests can be specified on the command-line. If no tests are specified, all tests are run.

If no arguments are specified at all, all available options and tests are listed.

Binding string format

The binding string format is:

TRANSPORT:host[flags]

Where TRANSPORT is either ncacn_np for SMB, ncacn_ip_tcp for RPC/TCP or ncalrpc for local connections.

'host' is an IP or hostname or netbios name. If the binding string identifies the server side of an endpoint, 'host' may be an empty string.

'flags' can include a SMB pipe name if using the ncacn_np transport or a TCP port number if using the ncacn_ip_tcp transport, otherwise they will be auto-determined.

other recognised flags are:

sign
    enable ntlmssp signing

seal
    enable ntlmssp sealing

connect
> enable rpc connect level auth (auth, but no sign or seal)

validate
> enable the NDR validator

print
> enable debugging of the packets

bigendian
> use bigendian RPC

padcheck
> check reply data for non-zero pad bytes

For example, these all connect to the samr pipe:

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⊕

⊕

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⊕

UNC Format

The UNC format is:

//server/share

OPTIONS

-d debuglevel

Use the specified Samba debug level. A higher debug level means more output.

-U user%pass

Use the specified username/password combination when logging in to a remote server.

-k

Use kerberos when authenticating.

-W workgroup

Use specified name as our workgroup name.

-n netbios_name

Use specified name as our NetBIOS name.

-O socket_options

Use specified socket options, equivalent of the smb.conf option "socket options". See the smb.conf(5) manpage for details.

-m max_protocol

Specify the maximum SMB dialect that should be used. Possible values are: CORE, COREPLUS, LANMAN1, LANMAN2, NT1

-s seed

Initialize the randomizer using *seed* as seed.

-L

Use oplocks.

-X

Enable dangerous tests. Use with care! This might crash your server...

-t timelimit

Specify the NBENCH time limit in seconds. Defaults to 600.

-p ports

Specify ports to connect to.

-c file

Read NBENCH commands from *file* instead of from CLIENT.TXT.

-A

Show not just OK or FAILED but more detailed output. Used only by DENY test at the moment.

-C filename

Load a list of UNC names from the specified filename. Smbtorture instances will connect to a random host from this list.

-N numprocs

Specify number of smbtorture processes to launch.

-e num_files

Number of entries to use in certain tests (such as creating X files) (default: 1000).

-f max_failures

Number of failures before aborting a test (default: 1).

VERSION

This man page is correct for version 4.0 of the Samba suite.

SEE ALSO

Samba

AUTHOR

This utility is part of the **Samba**[1] suite, which is developed by the global **Samba Team**[2].

smbtorture was written by Andrew Tridgell.

This manpage was written by Jelmer Vernooij.

NOTES

1. Samba

http://www.samba.org/

2. Samba Team
    http://www.samba.org/samba/team/