Rocky Enterprise Linux 9.2 Manual Pages on command 'libsmbclient.7'

$ man libsmbclient.7

LIBSMBCLIENT(7)   7   LIBSMBCLIENT(7)

NAME

   libsmbclient - An extension library for browsers and that can be used as a generic

   browsing API.

SYNOPSIS

   Browser URL: smb://[[[domain:]user[:password@]]server[/share[/path[/file]]]] [?options]

DESCRIPTION

   This tool is part of the samba(7) suite.

   libsmbclient is a library toolset that permits applications to manipulate CIFS/SMB network

   resources using many of the standards POSIX functions available for manipulating local

   UNIX/Linux files. It permits much more than just browsing, files can be opened and read or

   written, permissions changed, file times modified, attributes and ACL's can be

   manipulated, and so on. Of course, its functionality includes all the capabilities

   commonly called browsing.

   libsmbclient can not be used directly from the command line, instead it provides an

   extension of the capabilities of tools such as file managers and browsers. This man page

   describes the configuration options for this tool so that the user may obtain greatest

   utility of use.

OPTIONS

   What the URLs mean:

   smb://

      Shows all workgroups or domains that are visible in the network. The behavior matches

      that of the Microsoft Windows Explorer.

The method of locating the list of workgroups (domains also) varies depending on the setting of the context variable (context->options.browse_max_lmb_count). It is the responsibility of the application that calls this library to set this to a sensible value. This is a compile-time option. This value determines the maximum number of local master browsers to query for the list of workgroups. In order to ensure that the list is complete for those present on the network, all master browsers must be queried. If there are a large number of workgroups on the network, the time spent querying will be significant. For small networks (just a few workgroups), it is suggested to set this value to 0, instructing libsmbclient to query all local master browsers. In an environment that has many workgroups a more reasonable setting may be around 3.

smb://name/

This command causes libsmbclient to perform a name look-up. If the NAME<1D> or NAME<1B> exists (workgroup name), libsmbclient will list all servers in the workgroup (or domain). Otherwise, a name look-up for the NAME<20> (machine name) will be performed, and the list of shared resources on the server will be displayed.

When libsmbclient is invoked by an application it searches for a directory called .smb in the $HOME directory that is specified in the users shell environment. It then searches for a file called smb.conf which, if present, will fully over-ride the system /etc/samba/smb.conf file. If instead libsmbclient finds a file called ~/.smb/smb.conf.append, it will read the system /etc/samba/smb.conf and then append the contents of the ~/.smb/smb.conf.append to it.

libsmbclient will check the users shell environment for the USER parameter and will use its value when if the user parameter was not included in the URL.

PROGRAMMERS GUIDE

Watch this space for future updates.

VERSION

This man page is part of version 4.15.13-Ubuntu of the Samba suite.

AUTHOR

The original Samba software and related utilities were created by Andrew Tridgell. Samba is now developed by the Samba Team as an Open Source project similar to the way the Linux kernel is developed.

The libsmbclient manpage page was written by John H Terpstra.