

NAME

pcscd – PC/SC Smart Card Daemon

SYNOPSIS

pcscd [*options*]

OPTIONS

-a, --apdu

log APDUs and SW using the debug method (see **--debug**).

-c, --config file

Specifies the file *file* as an alternate location for */etc/reader.conf.d/reader.conf*.

-f, --foreground

Runs pcscd in the foreground and sends log messages to stderr instead of syslog(3).

-T, --color

force use of colored logs.

-d, --debug

use the lowest log level. Any log message of this level or above will be sent to stderr or syslog(3) depending on the use of **--foreground**.

--info use info log level. This is the default log level.

-e, --error

use error log level.

-C, --critical

use critical log level.

The log levels are ordered as: debug < info < error < critical. Use a log level *l* will log this level and all the levels above it.

--force-reader-polling

ignore the IFD_GENERATE_HOTPLUG reader capability

-t, --max-thread

maximum number of threads (default 200).

This is the maximum number of clients (SCardEstablishContext) that pcscd can handle.

-s, --max-card-handle-per-thread

maximum number of card handle per thread (default: 200).

This is the maximum number of card handle (SCardConnect) per client (SCardEstablishContext).

-r, --max-card-handle-per-reader

maximum number of card handle per reader (default: 200)

This is the maximum number of card handle (SCardConnect) per reader.

-h, --help

Displays information about the pcscd command line

-v, --version

Displays the program version number

-H, --hotplug

Ask pcscd to re-read the */etc/reader.conf.d/reader.conf* file to detect added or removed non-USB readers (serial or PCMCIA).

-x, --auto-exit

pcscd will quit after 60 seconds of inactivity after the release of the last PC/SC context. This is used when pcscd is started on demand by systemd.

-S, --reader-name-no-serial

Do not include the USB serial number in the reader name.

-I, --reader-name-no-interface

Do not include the USB interface name in the reader name.

DESCRIPTION

pcscd is the daemon program for pcsc-lite. It is a resource manager that coordinates communications with smart card readers and smart cards and cryptographic tokens that are connected to the system.

It allows applications to access smart cards and readers using the winscard API but without knowing details of the card or reader.

pcscd coordinates the loading of drivers for card readers.

SERIAL SMART CARD READER DRIVERS

Smart card reader drivers are placed in the */usr/lib/pcsc/drivers* directory. Each driver is simply an *.so* file. pcscd locates the driver using the */etc/reader.conf.d/reader.conf* file. See the **reader.conf(5)** manual page for more information.

Some drivers are available at <https://muscle.apdu.fr/musclecard.com/drivers.html>.

USB SMART CARD READER DRIVERS

USB smart card reader drivers are located in */usr/lib/pcsc/drivers* directory as a bundle. You shall not add a USB driver in */etc/reader.conf.d/reader.conf* file.

FILES

/etc/reader.conf.d/reader.conf : Reader configuration file

/run/pcscd/pcscd.pid : process id of the running pcscd

/usr/lib/pcsc/drivers : directory containing bundles for USB drivers

SEE ALSO

bundleTool(8), **reader.conf(5)**, **syslog(3)**

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