Rocky Enterprise Linux 9.2 Manual Pages on command 'sane-dll.5'

$ man sane-dll.5

sane-dll(5)   SANE Scanner Access Now Easy   sane-dll(5)

NAME

   sane-dll - SANE dynamic backend loader

DESCRIPTION

   The sane-dll library implements a SANE (Scanner Access Now Easy) backend that provides ac?

   cess to an arbitrary number of other SANE backends. These backends may either be pre-

   loaded at the time the sane-dll library is built or, on systems that support dynamic load?

   ing of shared libraries, the backends may be loaded at runtime.   In the latter case,

   adding support for a new backend simply involves installing the relevant library in

   /usr/lib/x86_64-linux-gnu/sane and adding an entry to the dll.conf configuration file. In

   other words, no applications need to be modified or recompiled to add support for new de?

   vices.

DEVICE NAMES

   This backend expects device names of the form:

       backend:device

   Where backend is the name of the backend and device is the name of the device in this

   backend that should be addressed. If the device name does not contain a colon (:), then

   the entire string is treated as the device string for the default backend.   The default

   backend is the backend listed last in the configuration file (see below) or the first pre-

   loaded backend (if any).

CONFIGURATION

   The contents of the dll.conf file is a list of backend names that may be loaded dynami?

   cally upon demand. Empty lines are ignored, also everything after a hash mark (#). A sam?

ple configuration file is shown below:

```
net

# this is a comment

pnm

mustek
```

It is also possible to add a file in /etc/sane.d/dll.d that contains the list of backends

to be added. Backends mentioned in a file included in this directory will be added before

any backends listed in dll.conf. Files in /etc/sane.d/dll.d can be freely named. They

shall follow the format conventions as apply for dll.conf.

Note that backends that were pre-loaded when building this library do not have to be

listed in this configuration file. That is, if a backend was preloaded, then that backend

will always be present, regardless of whether it's listed in the configuration file or

not.

The list of preloaded backends is determined by macro PRELOADABLE_BACKENDS in file back?

end/Makefile.in of the SANE source code distribution. After changing the value of this

macro, it is necessary to reconfigure, rebuild, and reinstall SANE for the change to take

effect.

Aliases are defined in the config file dll.aliases. It can contain entries of the form

```
alias SomeName SaneDeviceName

alias "Some Name" SaneDeviceName

hide SaneDeviceName
```

For example:

```
alias Epson net:somehost:epson:/dev/sgX

alias "Siemens ST400" st400:/dev/sgY

hide net:somehost:pnm:0

hide net:somehost:pnm:1

alias "Read from file" pnm:0

hide pnm:1
```

Aliased device names are automatically hidden.

The idea is that users don't have to deal with complicated device names (especially for

networked devices), and to hide other exported devices which might confuse them. Note that

a hidden device can still be accessed if the device name is known, it just doesn't appear

on the list.

FILES

/etc/sane.d/dll.aliases

The list of aliased or hidden backends.

/etc/sane.d/dll.conf

The backend configuration file (see also description of SANE_CONFIG_DIR below).

/usr/lib/x86_64-linux-gnu/sane/libsane-dll.a

The static library implementing this backend.

/usr/lib/x86_64-linux-gnu/sane/libsane-dll.so

The shared library implementing this backend (present on systems that support dy?

namic loading).

ENVIRONMENT

SANE_CONFIG_DIR

This environment variable specifies the list of directories that may contain the

configuration file. On *NIX systems, the directories are separated by a colon

(`:'),  under  OS/2, they are separated by a semi-colon (`;'). If this variable is

not set, the configuration file is searched in two default directories: first, the

current working directory (".") and then in /etc/sane.d. If the value of the envi?

ronment variable ends with the directory separator character, then the default di?

rectories are searched after the explicitly specified directories. For example,

setting SANE_CONFIG_DIR to "/tmp/config:" would result in directories tmp/config,

., and /etc/sane.d being searched (in this order).

SANE_DEBUG_DLL

If the library was compiled with debug support enabled, this environment variable

controls the debug level for this backend. E.g., a value of 128 requests all debug

output to be printed. Smaller levels reduce verbosity.

Value Description

0   print severe errors only

1   print normal errors and important messages

2   print normal messages

3   print debugging messages

4   print everything

Example: export SANE_DEBUG_DLL=3

SEE ALSO

sane(7), scanimage(1), sane-"backendname"(5)

AUTHOR

David Mosberger

13 Jul 2008 sane-dll(5)