Red Hat Enterprise Linux Release 9.2 Manual Pages on 'sane-dll.5' command

$ 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) back?

    end that provides access to an arbitrary number of other SANE backends.

    These backends may either be pre-loaded at the time the sane-dll li?

    brary is built or, on systems that support dynamic loading of shared

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

    adding support for a new backend simply involves installing the rele?

    vant library in /usr/lib64/sane and adding an entry to the dll.conf

    configuration file. In other words, no applications need to be modi?

    fied or recompiled to add support for new devices.

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 dynamically upon demand. Empty lines are ignored, also ev?
erything after a hash mark (#). A sample 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 back?
end 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_BACK?
ENDS in file backend/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 en?
tries 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 ac? cessed 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/lib64/sane/libsane-dll.a

The static library implementing this backend.

/usr/lib64/sane/libsane-dll.so

The shared library implementing this backend (present on systems that support dynamic loading).

ENVIRONMENT

SANE_CONFIG_DIR

This environment variable specifies the list of directories that may contain the configuration file. Under UNIX, the directories are separated by a colon (`:'), under OS/2, they are separated by a semi-colon (`;'). If this variable is not set, the config? uration file is searched in two default directories: first, the current working directory (".") and then in /etc/sane.d. If the value of the environment variable ends with the directory sepa? rator character, then the default directories 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 en? vironment 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

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