Red Hat Enterprise Linux Release 9.2 Manual Pages on 'sane-st400.5' command

$ man sane-st400.5

sane-st400(5)   SANE Scanner Access Now Easy   sane-st400(5)

NAME

   sane-st400 - SANE backend for Siemens ST/Highscan flatbed scanners

DESCRIPTION

   The sane-st400 library implements a SANE (Scanner Access Now Easy)

   backend that provides access to Siemens ST400 flatbed scanners and com?

   patibles.   At present, the following scanners are supported by this

   backend:

       Siemens ST400 (6 bit gray scale)

       Siemens ST800 (6 bit gray scale)

   The driver supports line art and gray scans up to 8bpp.

   The Siemens ST/Highscan series includes several more models, e.g. the

   ST300 and ST600. If you own one of these scanners, or a scanner other

   than the ones listed above that works with this backend, please let us

   know by sending the scanner's model name, SCSI ID, and firmware revi?

   sion to   sane-devel@alioth-lists.debian.net.   Have   a   look   at

   http://www.sane-project.org/mailing-lists.html concerning subscription

   to sane-devel.

DEVICE NAMES

This backend expects device names of the form:

    special

Where special is either the path-name for the special device that cor?
responds to a SCSI scanner. For SCSI scanners, the special device name
must be a generic SCSI device or a symlink to such a device. Under
Linux, such a device name could be /dev/sga or /dev/sge, for example.
See sane-scsi(5) for details.

CONFIGURATION

The contents of the st400.conf file is a list of device names that cor?
respond to Siemens scanners. Empty lines and lines starting with a
hash mark (#) are ignored. A sample configuration file is shown below:

    /dev/scanner
    # this is a comment
    /dev/sge

The default configuration file that is distributed with SANE looks like
this:

    scsi SIEMENS "ST 400" Scanner * * 3 0

In this configuration, the driver can only access the ST400 model at
SCSI ID 3 LUN 0 (see section BUGS below for the reason). To use the
driver with other scanner models, add an appropriate line to the con?
figuration file. For example, to use it with an ST800 at SCSI ID 3 LUN
0, add the line:

    scsi SIEMENS "ST 800" Scanner * * 3 0

FILES

/etc/sane.d/st400.conf

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

/usr/lib64/sane/libsane-st400.a

    The static library implementing this backend.

/usr/lib64/sane/libsane-st400.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_ST400

    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.

MISSING FUNCTIONALITY

Everything but the most basic stuff.

BUGS

Currently, the backend does not check if the attached device really is
a ST400. It will happily accept everything that matches the configura?
tion entries. This makes it easy to test the backend with other scan?
ners: Just add an appropriate line to the configuration file. The con?
figuration file as distributed (see above) only works with the ST400.
Be careful: If there is no config file at all, the backend defaults to
/dev/scanner.

The ST400 answers on all eight SCSI LUNs. Normally this is not a prob?
lem, as LUN support is usually disabled in SCSI drivers, but if you are
seeing multiple instances of the scanner in a device list, either dis?
able LUNs in your SCSI setup or change the entry in the configuration
file to match LUN 0 only.

DEBUG

If you encounter a bug please set the environment variable SANE_DE?
BUG_ST400 to 128 and try to regenerate the problem. Then send me a re?
port with the log attached.

If you encounter a SCSI bus error or trimmed and/or displaced images
please also set the environment variable SANE_DEBUG_SANEI_SCSI to 128
before sending me the report.

SEE ALSO

sane(7), sane-scsi(5)

http://www.informatik.uni-oldenburg.de/~ingo/sane/

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