Linux Ubuntu 22.4.5 Manual Pages on command 'sane-pint.5'

$ man sane-pint.5

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

NAME

    sane-pint - SANE backend for scanners that use the PINT device driver

DESCRIPTION

    The sane-pint library implements a SANE (Scanner Access Now Easy) backend that pro?

    vides generic access to hand-held and flatbed scanners using the PINT (PINT Is Not

    Twain) device driver. The PINT driver is being actively developed on the OpenBSD

    platform, and has been ported to a few other *nix-like operating systems.

    PINT is designed to provide an ioctl(2) interface to many different scanner types.

    However, this backend has only been tested with flatbed single-pass scanners, and

    more work will probably be required to get it to use other scanner types success?

    fully.

    If have successfully used the PINT driver with your scanner, but it does not work

    using this SANE backend, please let us know. To do this, send a mail with the rel?

    evant information for your scanner 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 the UNIX path-name for the special device that corresponds to the

    scanner. The special device name must be a PINT device or a symlink to such a de?

vice.   For example, under NetBSD or OpenBSD, such a device name could be /dev/ss0 or /dev/scan0.

CONFIGURATION

The contents of the pint.conf. file is a list of device names that correspond to PINT 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/ss1

FILES

@CONFIGDIR@/pint.conf

The backend configuration file (see also description of SANE_CONFIG_DIR be? low).

@LIBDIR@/libsane-pint.a

The static library implementing this backend.

@LIBDIR@/libsane-pint.so

The shared library implementing this backend (present on systems that sup? port 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 configuration file is searched in two default di? rectories: first, the current working directory (".") and then in @CON? FIGDIR@.   If the value of the environment variable ends with the directory separator character, then the default directories are searched after the ex? plicitly specified directories.   For example, setting SANE_CONFIG_DIR to "/tmp/config:" would result in directories "tmp/config", ".", and "@CON? FIGDIR@" being searched (in this order).

SANE_DEBUG_PINT

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.

SEE ALSO

sane(7)

AUTHOR

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BUGS

There are minor roundoff errors when adjusting the ranges, since PINT uses units of 1/1200 of an inch, and SANE normally uses millimeters. Symptoms of these errors are skewed images. This should really be fixed (no pun intended) as soon as possi? ble, but I just don't know/care enough about fixed-point representation and round? off errors to do this correctly. Workaround: use inches as the scanning unit, and everything usually works fine.

The PINT 0.5e interface does not provide a way to determine valid ranges for DPI, modes, and scan sizes. So, the SANE backend queries the PINT device, and dynami? cally discovers valid ranges by doing a binary search. This means that the driver takes longer to initialize than seems necessary.

Resetting the scanner does not seem to work (at least not on my HP ScanJet 4p). For that reason, the driver sends a SCIOCRESTART, then gobbles up any remaining in? put until it hits EOF.

Not all of the scanners have been identified (i.e. whether they are flatbed or handheld).

X and Y resolutions are assumed to be the same.

No testing has been done on three-pass or handheld scanners, or with Automatic Doc? ument Feeder support.

@PACKAGEVERSION@   14 Jul 2008   sane-pint(5)