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

$ man sane-net.5

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

NAME

   sane-net - SANE network backend

DESCRIPTION

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

   cess to image acquisition devices through a network connection. This makes it possible to

   control devices attached to a remote host and also provides a means to grant users access

   to protected resources.

DEVICE NAMES

   This backend expects device names of the form:

      host:device

   Where host is the name (or IP address) of the (remote) host and device is the name of the

   device on this host 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 host. The de?

   fault host is the host listed last in the configuration file (see below).

   An IPv6 address can be specified enclosed in square brackets:

[::1]:device

CONFIGURATION

   The net.conf file contains both backend options and a list of host names (or IP addresses)

   that should be contacted for scan requests. Anything that isn't one of the options listed

   below will be treated as an host name.

   connect_timeout = nsecs

      Timeout (in seconds) for the initial connection to the saned(8) server. This will

      prevent the backend from blocking for several minutes trying to connect to an unre?

      sponsive saned(8) host (network outage, host down, ...). The environment variable

      SANE_NET_TIMEOUT can also be used to specify the timeout at runtime.

   Empty lines and lines starting with a hash mark (#) are ignored. Note that IPv6 addresses

   in this file do not need to be enclosed in square brackets. A sample configuration file

   is shown below:

      scan-server.somedomain.firm

      192.168.0.1

      # this is a comment

      localhost

      ::1

   The above list of hosts can be extended at run-time using environment variable

   SANE_NET_HOSTS.   This environment variable is a colon-separated list of hostnames or IP

   addresses that should be contacted in addition to the hosts mentioned in the configuration

   file. For example, a user could set the environment variable to the string:

      new.scanner.com:[::1]:192.168.0.2:scanner.univ.edu

   To request that hosts new.scanner.com , [::1] , 192.168.0.2 and scanner.univ.edu are con?

   tacted in addition to the hosts listed above.

For this backend to function properly, it is also necessary to define the sane-port ser?
vice in /etc/services. The sane service should be defined using a line of the following
form:

sane-port 6566/tcp # SANE network scanner daemon

FILES

/etc/sane.d/net.conf

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

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

The static library implementing this backend.

/usr/lib/x86_64-linux-gnu/sane/libsane-net.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_NET_HOSTS

A colon-separated list of host names or IP addresses to be contacted by this back?
end.

SANE_NET_TIMEOUT

   Number of seconds to wait for a response from the saned(8) server for the initial
   connection request.

SANE_DEBUG_NET

   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.

BUGS

   If saned(8) has timed out, the net backend may loop with authorization requests.

SEE ALSO

   sane(7), saned(8), sane-dll(5), scanimage(1)

   http://www.penguin-breeder.org/?page=sane-net

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