



Rocky Enterprise Linux 9.2 Manual Pages on command 'pcilib.7'

C:\>man pcilib.7

pcilib(7) The PCI Utilities pcilib(7)

NAME

pcilib - a library for accessing PCI devices

DESCRIPTION

The PCI library (also known as pcilib and libpci) is a portable library for accessing PCI devices and their configuration space.

ACCESS METHODS

The library supports a variety of methods to access the configuration space on different operating systems. By default, the first matching method in this list is used, but you can specify override the decision (see the -A switch of lspci).

linux-sysfs

The /sys filesystem on Linux 2.6 and newer. The standard header of the config space is available to all users, the rest only to root. Supports extended configuration space, PCI domains, VPD (from Linux 2.6.26), physical slots (also since Linux 2.6.26) and information on attached kernel drivers.

linux-proc

The /proc/bus/pci interface supported by Linux 2.1 and newer. The standard header of the config space is available to all users, the rest only to root.

intel-conf1

Direct hardware access via Intel configuration mechanism 1. Available on i386 and compatibles on Linux, Solaris/x86, GNU Hurd, Windows, BeOS and Haiku. Requires root privileges.

intel-conf2

Direct hardware access via Intel configuration mechanism 2. Available on i386 and compatibles on Linux, Solaris/x86, GNU Hurd, Windows, BeOS and Haiku. Requires root privileges. Warning: This method is able to address only the first 16 devices on any bus and it seems to be very unreliable in many cases.

fbsd-device

The /dev/pci device on FreeBSD. Requires root privileges.

aix-device

Access method used on AIX. Requires root privileges.

nbsd-libpci

The /dev/pci0 device on NetBSD accessed using the local libpci library.

obsd-device

The /dev/pci device on OpenBSD. Requires root privileges.

dump Read the contents of configuration registers from a file specified in the dump.name parameter. The format corresponds to the output of lspci -x.

darwin Access method used on Mac OS X / Darwin. Must be run as root and the system must have been booted with debug=0x144.

PARAMETERS

The library is controlled by several parameters. They should have sensible default values, but in case you want to do something unusual (or even something weird), you can override them (see the -O switch of lspci).

Parameters of specific access methods

dump.name

Name of the bus dump file to read from.

fbsd.path

Path to the FreeBSD PCI device.

nbsd.path

Path to the NetBSD PCI device.

obsd.path

Path to the OpenBSD PCI device.

proc.path

Path to the procfs bus tree.

sysfs.path

Path to the sysfs device tree.

Parameters for resolving of ID's via DNS

net.domain

DNS domain containing the ID database.

net.cache_name

Name of the file used for caching of resolved ID's.

Parameters for resolving of ID's via UDEV's HWDB

hwdb.disable

Disable use of HWDB if set to a non-zero value.

SEE ALSO

lspci(8), setpci(8), pci.ids(5), update-pciids(8)

AUTHOR

The PCI Utilities are maintained by Martin Mares <mj@ucw.cz>.

pciutils-3.6.4

25 January 2020

pcilib(7)