

2 Device Drivers

Device driver

programmers can build device drivers as parts of the kernel, separately as loadable modules, or as user-mode drivers (for certain types of devices where kernel...

Device file

In Unix-like operating systems, a device file, device node, or special file is an interface to a device driver that appears in a file system as if it were...

HANS device

Australian V8 Supercar Series made the device compulsory for drivers in the 2005 season. Acceptance by drivers was helped by the addition of quick-release...

PS/2 port

conventionally assigned to that device. (That is, keyboard drivers are written to use the first port, and mouse drivers are written to use the second port...

Hutchens device

A Hutchens device is used for protecting race car drivers in the event of an accident by controlling head movement, reducing head and neck injuries due...

USB mass storage device class

storage device. Third-party, freeware drivers became available for Windows 98 and Windows 98SE, and third-party drivers are also available for Windows NT...

Free and open-source graphics device driver

display driver is part of the graphics hardware. Most free and open-source graphics device drivers are developed by the Mesa project. The driver is made...

Device driver synthesis and verification

Device drivers are programs which allow software or higher-level computer programs to interact with a hardware device. These software components act as...

Advanced Linux Sound Architecture (redirect from Free and open-source device drivers: audio)

provides an application programming interface (API) for sound card device drivers. Some of the goals of the ALSA project at its inception were automatic...

Comparison of open-source wireless drivers

software to make them function (firmware, device drivers). This is a list of the status of some open-source drivers for 802.11 wireless network cards. The...

Windows Driver Model

computing, the Windows Driver Model (WDM) – also known at one point as the Win32 Driver Model – is a framework for device drivers that was introduced with...

USB video device class

acceleration support for UVC device required vendor drivers must be installed. FreeBSD FreeBSD added the uvc driver for UVC devices in Jan 18, 2011; added in...

Architecture of Windows NT (redirect from Microsoft OS/2 subsystem)

initializing device drivers at bootup. Kernel mode drivers exist in three levels: highest level drivers, intermediate drivers and low-level drivers. Windows...

Printer driver

printer drivers is to allow applications to do printing without being aware of the technical details of each printer model. Printer drivers should not...

USB (redirect from USB storage device)

entirely automatically configures using existing device drivers, or the system prompts the user to locate a driver, which it then installs and configures automatically...

Binary blob (redirect from Proprietary device driver)

instead provide binary-only drivers. This practice is most common for accelerated graphics drivers, wireless networking devices, and hardware RAID controllers...

Ignition interlock device

the drivers re-offended instead of 30% without the program. As of 2020, there were about 1,000 drivers participating in the Ignition Interlock Device program...

Dead man's switch (redirect from Driver safety device)

vigilance function built in (a dead-man's vigilance device, driver vigilance device or DVD), where drivers must release and re-press the pedal in response...

Restrictions on cell phone use while driving in the United States (redirect from Restrictions on cell phone use by US drivers)

laws affect only novice drivers or commercial drivers, while some laws affect all drivers. Some laws target handheld devices only, while other laws affect...

VxD (category Device drivers)

Driver Model (WDM), VxD device drivers can be used under Windows 98 and Windows Me. Using VxD drivers instead of WDM drivers in Windows 9x may result...

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