esdi

IBM Fixed Disk Adapter/A driver

Description

esdi is the boot-time loadable driver (BTLD) for IBM Fixed Disk Adapter/A host adapter cards. This driver is for MicroChannel machines only.

If installation fails at kernel relink time, type **i** to ignore, and continue. When you reboot, insert the boot diskette then, at the `Boot:` prompt, enter:

hd(40)unix.install ahslink=esdi btld=fd(60).

Go into system maintenance mode and edit this line in */etc/conf/pack.d/hd/space.c*:

```
extern nodev();
```

The line should read:

```
extern nodev(), nulldev;
```

The installation will then succeed. Relink the kernel using **link_unix**(ADM) and reboot the machine.

Refer to the *SCO Hardware Compatibility Handbook* to determine the support status of your host adapter, or contact your system supplier.

Configuring the esdi driver

You can configure the **esdi** driver using entries in */etc/conf/cf.d/mdevice* and */etc/conf/sdevice.d/esdi*. See *mdevice*(F) and *sdevice*(F). Changes to these files take effect once you relink the kernel using **link_unix**(ADM) and reboot the system.

Configure **esdi** driver-specific characteristics by editing the */etc/conf/pack.d/esdi/space.c* file.

Boot time configuration of SCSI

Use the **bootstring**(HW) parameters to override the default hardware configuration information. Of special interest are the **adapter=** parameter that specifies information for the host adapter card that plugs into or is part of the motherboard, and the ***periph*=** parameter that specifies information about the host adapter being used by one of the generic peripheral interfaces (**Sdsk**, **Srom**, or **Stp**).

ioctl commands

The **esdi** driver supports all standard SCSI ioctls that are defined in the **<***sys/scsicmd.h***>** header file and documented on the **scsi**(HW) manual page.

Diagnostics

See **messages**(M) for general information about kernel error messages, including a list of generic device driver errors.

Files

/usr/include/sys/scsicmd.h
SCSI interface header files

See also

boot(HW), **link_unix**(ADM), **mdevice**(F), **mkdev**(ADM), **sconf**(ADM), **scsi**(HW), **sdevice**(F)

Chapter 16, "Adding SCSI host adapters and peripherals" in the *SCO OpenServer Handbook*
SCO OpenServer *System Administration Guide*