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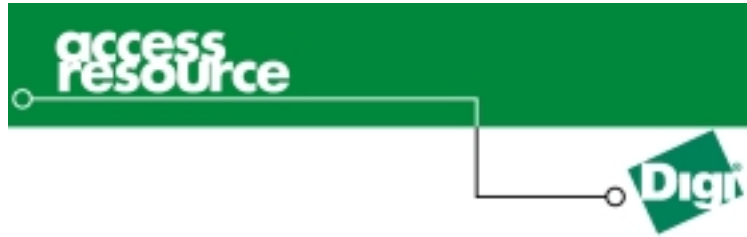
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EtherLite and SCSI Terminal Server Software Installation Guide

Requirements

Before you install the software, make sure you have done the following:

- Removed any installations of earlier version of this driver.
- Located the appropriate software driver for your operating system either: from the enclosed CD which contains drivers for the following operating systems:

Microsoft Windows NT 4.0	Linux
Hewlett-Packard HP-UX	AIX
Java	SCO OpenServer
Silicon Graphics IRIX	Sun Solaris and SunOS

or from <ftp.digi.com> or <www.digi.com>. All the drivers listed above are available including the driver for Tru64 UNIX.

Note: Tru64 UNIX is only available as a download.

- Located the EtherLite MAC address on the back panel of the module and selected an IP address for each new EtherLite module to be installed.

Installing to a Windows System

1. From My Computer, choose the drive where the Installation CD is located.
2. Choose Winnt > Sts-els > Processor Type: Alpha or X86 > Setup.
3. Follow the prompts to install your particular Digi product.

Installing to a UNIX System

When installing to a UNIX system from a CD, you use two directories: the installation directory and the base directory. The installation directory holds the temporary installation files and can be deleted after installation. The default location determined by the installation script is /usr/sts or /var/sts. The base directory is the permanent directory and contains installation and removal scripts, documentation, files, and source files. The following table contains the base directories for each UNIX system.

Operating System	Base Directory
AIX	/usr/lpp/stsdd
HP-UX, IRIX, Tru64 UNIX	/usr/local/STS
SunOS 4 (Solaris 1)	/usr/sys/unbundled/STS
Solaris 2 (SunOS 5)	/opt/CDsts
SCO OpenServer	/opt/K/Digi/EtherLite/X.XXXX
Linux	/usr/src/dg/els/drv

To install, do the following:

1. At the root prompt, login as root.
2. For all platforms except IRIX, create an installation directory.
Example: `mkdir /cdrom`
3. Mount the CD-Rom using the appropriate command listed in the following table. If you download from the Internet, download your file to the installation directory you created in Step 2.
Note: For the IRIX and Solaris 2, the CD-ROM is automatically mounted.

Operating System	Mount Command
AIX	<code>mount -v'cdrfs' -r' /dev/cd0/cdrom</code>
HP-UX 10 and 11	Use SAM
SunOS (Solaris 1)	<code>mount -t hsfs -o ro /dev/sr0/cdrom</code>
SCO OpenServer	<code>mount -o lower /dev/cd0/cdrom</code>
Linux	<code>mount -t iso9660 /dev/cdrom /mnt/cdrom</code>

4. Enter the script given in the following table.

Operating System	Install Command
IRIX	sh /CDROM/install
Solaris 2 (SunOS 5)	sh /cdrom/cdrom0/Install
HP-UX	sh /cdrom/INSTALL.;1
SCO	sh /cdrom/install
AIX	sh /cdrom/Install
All others	sh /cdrom/install

5. Follow the prompts as the program guides you through the installation. A new operating system kernel is built during the installation on operating systems not using loadable kernel modules. A backup of the old kernel is retained with the filename extension, pre-sts, for the SCSI files. You will be able to boot from the backup kernel if the new kernel fails.
Note: HP-UX 10 and 11 SCSI and EtherLite drivers use the .prev extension instead.
6. Reboot your system to install the hardware.
7. **Note:** Do **not** perform the following step on AIX or Solaris systems. Login as root, change to the installation directory, and execute the install command.
 Additional system administration tools may be needed to configure individual ports for use with terminals, modems, and printers. This information is found in the setup.txt and setup.html files in the base directory

Utility Programs

The following utility programs are available to assist with the installation process. Complete information about these utilities can be obtained by entering the command `man product name`. Every driver does not necessarily include all the utility programs. The table below gives a brief description of each utility program.

Utility Program	Description
cdstty	Provides control over extended Digi features such as high baud rates, open and close timers, error-reporting levels, etc.
cdscanbus	Lists all devices which are currently on the system SCSI bus(es)
cdupdate	Allows the update of firmware on Digi modules equipped with FLASH memory
dinc	Serial connection program supporting extended Digi features
cdelsreset	Remotely resets a Digi EtherLite module
cdflush	Flushes stuck Digi lines
cdmknods	Simplifies the generation of device nodes for Digi products

Note: AIX users will generally use these utilities via smit rather than directly from the command line.

Adding Additional Modules

SCSI modules may be added later by powering down the host, connecting the additional module(s), powering backup, and running the cdmknods utility. For instructions consult the man pages of the cdmknods utility.

On Solaris 2 systems, shutdown must be performed by executing these commands:

```
touch /reconfigure
shutdown -io
```

Removing the Driver

On UNIX systems:

1. Change to the base directory. (Refer to Installing to a UNIX System)
2. Execute the Remove command to remove all Digi device nodes, driver files, and to restore the system configuration files. Many systems require a reboot for these changes to take effect. The Remove script will prompt you to reboot after it has executed its procedure.

On Linux systems:

1. To determine the EtherLite modules name enter the command:
`rpm -q els`
2. To remove the EtherLite driver enter the command:
`rpm -e els(versionname)`
3. Follow the prompts provided by the removal program. Permanently removing a Digi serial port server may require additional administration. All reference to Digi device nodes should be removed from all communication program configuration files including ttyab and inittab system files.

For Windows NT users, choose Control Panel > Network > Adapters > *Selectdevice* > Remove.

For Windows 2000 users, choose Control Panel > Network > Adapters > Hardware > Device Manager > *Devicename*. Highlight the device you are uninstalling, right click for a menu, choose Uninstall.