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## DLTtape™ Installation HP® 9000 Series 800 System HP-UX® 9.04

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**NOTE:** The information in this document pertains to the DLT™4000 or DLT™7000 cartridge tape drive or the DLT™4500 or DLT™4700 tape mini-library that you are installing. The information may be applied as well to installing DLT™2000, DLT™2000XT, and DLT™8000 cartridge tape drive or the DLT™2500, DLT™2500XT, DLT™2700, DLT™2700XT tape mini-library. HP-UX, however, will not recognize these models, but instead, will attempt to apply generic tape drive parameters. This may limit drive performance and these models are not supported with HP-UX fbackup/frecover command in this version of HP-UX.

The following section describes how to install a DLTtape tape peripheral on an HP9000/800 system running HP-UX 9.04. This note assumes that the DLTtape tape peripheral you are installing conforms to the SCSI-2 standard.

### Installation

Instructions will cover the installation of the DLT tape peripheral hardware and configuration of the system to communicate with the DLT tape peripheral. The installation requires a patch that you obtain from Hewlett-Packard be installed on your system. This will allow the system to recognition of the DLT drive. The patch ID and title currently is:

PHKL\_12056 - s800 9.04 HP-PB SE SCSI and tape driver cumulative patch

Also, if you intend to use your DLT drive with HP's fbackup/frecover utility, you will need the following patch:

PHCO\_6738 - s700\_800 9.X cumulative fbackup(1M) and frecover(1M) patch

Using a web browser, you can download the patches from Hewlett-Packard's Electronic Support Center web site. The URL is <http://us-support.external.hp.com/>. Note that because of the nature of Hewlett-Packard's patch database, patch ID's are subject to change. A patch whose ID no longer exists can be identified by its title.

Before you install the patch, make sure the system has `tape2tape` device driver included in the kernel. This can be accomplished using HP's SAM utility.

Perform the installation as follows:

Shut down the HP9000/800 and remove ac power from the system. Install the DLT tape peripheral and connect it to its SCSI controller. Depending on the DLT tape peripheral you are installing, refer to one of the following manuals for switch and jumper settings and SCSI bus termination:

- DLT2000/DLT2700 product manual (order number 81-109132)
- DLT2500 owner's manual (order number 81-109374)
- DLT2000XT/DLT2500XT/DLT2700XT product manual (order number 81-109253)
- DLT4000/DLT4500/DLT4700 product manual (order number 81-106336)
- DLT7000 tape Drive product manual (order number 81-60000)
- DLT8000 tape Drive product manual (order number 81-60118)

- Set the DLT SCSI device address to an unassigned SCSI ID.
- Turn power on and boot the system. Log on as root.
- Copy patch to the /tmp directory.
- Change directory to /tmp.
- Enter the following command to unpack the patch:  
**sh <PATCH>**  
<PATCH> is the patch file name.

To complete the patch installations, follow the instructions as described in /tmp/<PATCH>.text. Some of the patch installations may include a system reboot. Once the patch is installed, the installation will be complete.

Files /tmp/<PATCH>.text and /etc/newconfig/DLT.README may contain additional information regarding DLTtape device verification and use. Although the fbackup command appears to work with DLTtape tape peripherals, it should be noted that the frecover command does not.