

Installing a DPT Raid Controller in Your Machine.

If you are installing this controller to replace another controller, be sure you backup all work directories that are handled by your current raid controller. Make a screen print of your current arrays with a pc, using Adwin or Facetwin. You will also need to know which work directories are in what logical drives.

STEP 1. Installing the drivers.

- a. Insert the floppy labeled DPT RAID DISK #1.
- b. At a # type **installpkg** and enter.
- c. It will say, "Strike enter when ready", press Enter.
- d. It will then ask, "Please enter the names of the packages you wish to install, or q to quit." You will then type "**dpti5**" and press enter.
- e. You will now be asked "Would you like dptelog to be started automatically at boot?" Answer Yes. Press enter. You will then be asked "Would you like dptscom to be started automatically at boot?" Answer No.
- f. Next you will be asked to relink the Kernel. Say Yes and enter.
- g. Now insert the floppy labeled DPT RAID DISK #2.
- h. At a # type **installpkg** and enter.
- i. It will ask, "Install the SCO DPT Storage Manager Motif version?" Answer yes and enter. When complete, shutdown the system by typing: **shutdown -g0 -y** and enter. At "safe to power off", power off the server.
- j. Insert your new DPT raid controller into the lowest PCI slot on your motherboard and screw it down.
- k. Next you will need a ps2 mouse plugged into your server, to configure your drives in Scologin.
- l. Power up the server. When you get to a login, login as root. At a # type, "**scologin enable**" and press enter.
- m. This enables your Sco GUI interface, on screen two. Now press Alt-F2
- n. Login as root. When you get to your desktop click on "System Administration" icon and you will find another icon that says "DPT Manager." Click on it to begin creating your arrays.
- o. You will now be given a list of drives and a toolbar at the top of the DPT Manager window. Click on the option to "Create Array". This will open another window labeled "Select Array Type". Click the "Override" button to select your raid level, Raid 0 through 5. Once selected, click accept. You will now return to the "Select Array Type" window. Click "Continue". You should now have a list of your raid drives. To add your drives to an array, you must click on the drive then click "Include Drive". Raid 5 must have at least three drives selected. When drives are selected click "Done".
- p. You must perform the above for each array you wish to create until you are out of drives.
- q. Once all arrays are created, click "File" at the top left of the "Select Array Type" window then click "Set System Configuration", then "File" again, then "Save Configuration File".
- r. Reboot.
- s. Once the machine is back up you will need to let the drives finish initializing before creating your work drives.

Creating the work drives

1. At a # type **mkdev hd** just like any other drive. The only difference will be the adapter type. User adapter type "**dpti**".
2. Make your file systems by typing **mkdev fs** at a #.
3. Select number 1 to add a new file system. Your device name will be "/dev/work2" or whatever number work directory you are adding.
4. Your directory name will be /work2. Same work number as above.
5. It will begin making the filesystem. When complete, select option #1 to Always mount /dev/work2.
6. The next question will be, "Do you want to allow users to mount this file system?" Answer Yes.
7. You will then return to a #. Now type **mountall** to mount your new work directory.
8. Do the same procedure to the other drives and work filesystems.