

9d. Restoring computers from an External HD

DET rollout OSX servers includes the facility to return the software installed on network computers to the original configuration.

This process uses the *NetBoot* facility to boot network computers, and the *NetRestore* application to transfer a standard software image to netbooted computers.

However, it is also possible to use *NetRestore* to create and distribute a standard software image to individual computers, albeit one computer at a time.

Each computer takes about 15 minutes to restore (depending on the size of the image, and the speed of the processor in the computer).

This is the **fourth** document in a series of documents about the *NetRestore* process:

- a. Restoring a network computer from a DET OSX server;
- b. Preparing an external *FireWire* HD to create a new image;
- c. Creating and deploying a new image with a server;
- d. Deploying a new image without a server.**

This document assumes that you have read the previous articles:

- b. Preparing an external *FireWire* HD to create a new image;
- c. Creating and deploying a new image with a server;

IMPORTANT NOTE

Any computers which are having *Mac OS X* installed for the first time MUST have their firmware updated before the installation of *Mac OS X*.

Firmware updates are available at:

<http://docs.info.apple.com/article.html?artnum=86117>

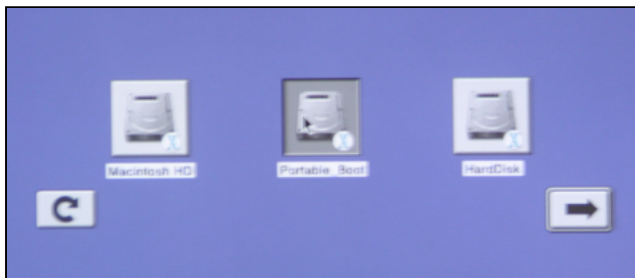
Part D - Restoring a Computer from an External *FireWire* HD

1. Connect an external *FireWire* HD which has been setup with a bootable partition, as described in a previous document in this series.



You will have also created an “image” using the process described in the previous documents in this series, and copied the image to the **Data** partition on the external drive.

2. Restart the computer while holding down the **Option** key.



At bootup, select the bootable partition on the external HD, then click on the arrow to continue booting from the external HD.

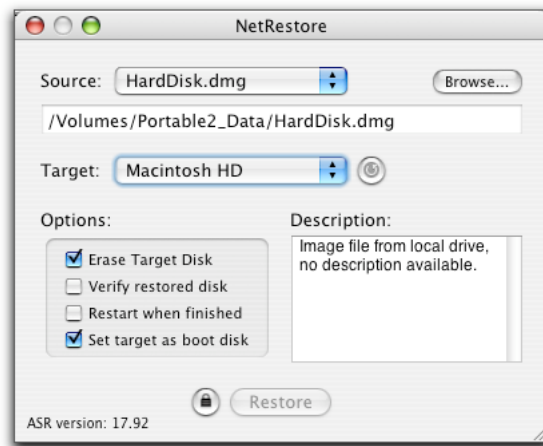
3. Launch the *NetRestore* application, which should also be installed on the **Boot** drive on the external HD.



4. In the main *NetRestore* window, select the **source image** (*HardDisk.dmg*), and the **target** disk (the internal hard disk of the computer).

You can drag the icon of the disk image on the *Portable_Data* drive to the *Source* field, rather than typing or browsing the path

Tick the *NetRestore Options* boxes as shown below:



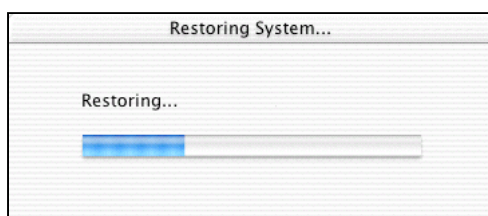
5. Click on the padlock and enter your admin password to activate the **Restore** button.



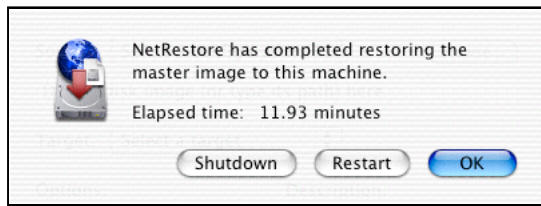
Click on **Restore**.

Note: The contents of the internal HD will be completely overwritten!

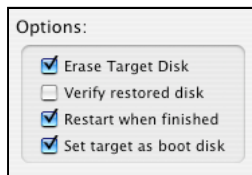
6. You will be advised of the progress of the restoration.



7. At the completion of the restoration process a notification window will appear on the screen:



This window will not be displayed if the **Restart when finished** option is checked before commencing the restoration process.



A typical restoration will take about 10 - 15 minutes (depending on the size of the image).

8. Shutdown the computer and remove the *FireWire* drive.
9. Restart the computer, which should now be *identical* to the **source** image stored on the external drive.
10. If you are not using a DHCP server, you will need to open the *Network Preferences* and give the **target** computer a *unique IP address* before connecting it to the network.

If you will be using *Apple Remote Desktop* you will need to give the **target** computer a unique name (in the **Sharing** System Preference).
11. To clone more computers, connect your *FireWire* drive to each computer, and repeat the *NetRestore* process above.