

9b. Partitioning an External HD

DET rollout OSX servers include the facility to return the software installed on network computers (clients) to their original configuration.

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

Your server may provide access to a number of software images, based on the DET “standard” image. These alternate images may include:

- a “small” image (OSX only) suitable for use on older *Macs* with 6Gb HDs;
- a “classic” image (OSX + *Classic*) similar to the small image above, with *Classic* support.
- a “medium” image (OSX Only) suitable for use on older *Macs* with 10Gb HD
- a “large” image (OSX only) suitable for use with more recent *iMacs*, *eMacs*, *iBooks* and *PowerBooks*.
- a “standard” image as supplied by the DET on rollout *Macs* (20Gb HD reqd).

This is the **second** 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.

IMPORTANT NOTE

Any *older* 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>

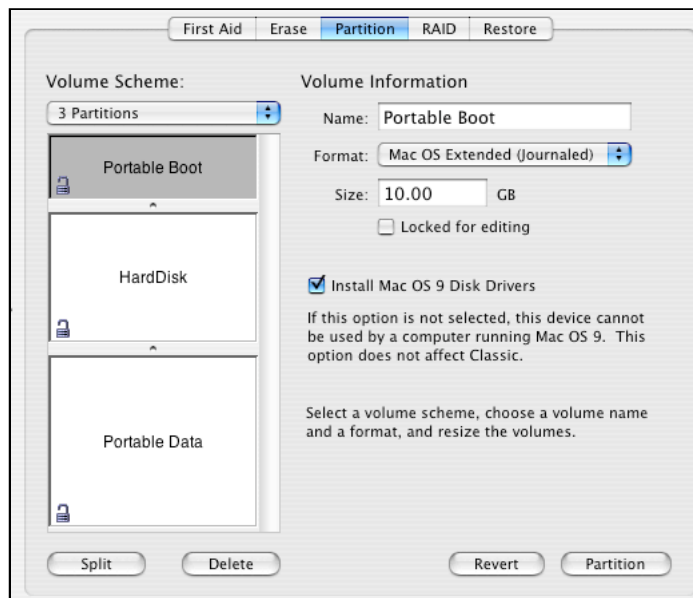
Part B - Preparing an external HD

1. Connect a *FireWire* external HD to your computer.
2. Launch *Disk Utility*. (*Applications > Utilities* folder)



3. Click on the **Partition** button.

Create three partitions on the *FireWire* hard disk.



This will erase *all* of the data on the disk.

Partition 1 (10 Gb) for a *bootable* volume

Partition 2 (20 Gb) for your *master image* setup

Partition 3 (50+ Gb) for *image storage*, apps, data, etc.



4. Install *Mac OS X* onto *Partition 1*.

The “user” you create at installation should have a suitable admin name and password.

Install any OS X updates, but keep this a “bare-bones” boot partition. No other applications, such as *iMovie*, etc - only the standard *Mac OS X* install as well as the *NetRestore* and *NetRestore Helper* applications.

NetRestore and can be downloaded from <http://www.bombich.com/>

NetRestore is free for education use.

(Note: While at the *Bombich* site it may be worth downloading and installing *Carbon Copy Cloner* (CCC) on your Boot partition. While we will not be using CCC as part of the process described in this document, it may be useful for other processes at a later time.)

Enable the “root” user. (**Applications > Utilities > Netinfo Manager > Security**)

Give this partition a suitable name - eg, *Portable_Boot*.

5. The partitions will be used as follows:

Partition 1 (*Portable_Boot*): will be used to boot other computers so that they can be “cloned”

Partition 2 (*HardDisk*): can be used to house a “master” image.

Initially we will use an existing computer for our “master” image, but in the future you will find that it is more convenient - and faster - to use this partition for your master image.

Partition 3 (*Portable_Data*): will be used to store images you have created.

