Installing Mesa 2

Installation

If Mesa 2 has already been installed, go directly to 'Licensing' on page 2.

Installing Mesa from Floppy disks

1. Insert the disk into the drive. If your version of NeXTSTEP does not check for disks automatically, choose Disk->Check for Disks from the Workspace menu.

A floppy disk icon will appear in the Workspace Manager.

2. Click on the floppy disk icon to display the disk's contents.

3. Double-click the Mesa2.pkg icon to launch the NeXTSTEP installer.

The Installer will ask you where you want to install Mesa. Mesa must be in some directory in which the Workspace Manager looks for applications - for example your Apps directory - or you will not be able to open Mesa worksheets.

If a version of Mesa has already been installed the Installer will inform you of this and ask whether you want to continue. To replace the existing version (for example when upgrading), click Yes.

NB. If you already have Mesa 1.5B and wish to continue to use 1.5B as well as Mesa 2, then be sure to install Mesa 2 into a different directory from Mesa 1.5B.

The Installer will prompt for the remaining disks one at a time. Mesa consists of 2 Packages: you should install both of these since all the files are essential. When installation is complete, eject the last disk and Quit Installer.

Installing Mesa after downloading from an FTP site

The files Mesa2.tar.gz and Mesa2Info.tar.gz can be found on several ftp sites. Once you have downloaded the file, you may need to double-click on it to launch Opener. (Some ftp download systems will automatically Open the compressed file for you).

You will then have two files called Mesa2.pkg and Mesa2Info.pkg

Double-click on the Mesa2.pkg icon and continue as from 3 above.

The directory you installed Mesa in should now contain:

• Mesa.app	The Mesa program itself. Double-click the Mesa icon to start using Mesa.
• Mesa2.Release.Notes.rtf	Notes particular to the current release.

The Directory you installed Mesa2Info.pkg into should now contain:

• Mesa2FloatingLicence	this folder contains the Floating License Manager and related files. See ’Floating License’ on page 2.
• Mesa2Programming	this folder contains files related to building Mesa AddIns and custom apps, including examples.
• Mesa2Sampler	this folder contains example worksheets and the Mesa2 Tutorial

2 Licensing

If your copy of Mesa is not licensed, it operates in Demo mode. This gives you access to all Mesa’s features; however, the maximum worksheet size in demo mode is 20 rows by 20 columns.

To enable all Mesa’s features you must license your copy. When you purchase Mesa you will receive a unique license number and enabling code. It is important that you keep this safe. If it is lost we may not be able to help you.

Single user license

When you launch Mesa you will be given a choice between running in Demo mode or entering a license. Click *Enter License.* Mesa will display a dialog box into which you can enter your license number and enabling code.

Note. If you have email, Mesa will offer to notify P&L that your copy has been licensed, and to join you to the Mesa mailing list so that we can keep you informed of upgrades and improvements. If you do not want notification to be sent, click No.

Once you have entered a single-user license, Mesa will run normally when launched from that account.

Multiple-user licenses

Rather than licensing your copies of Mesa to single accounts, you can use Mesa's Floating License Manager (FLM) to manage multiple licenses on the network. The FLM controls the number of users of Mesa on the local network at any one time. However, as long as there is a free license available, Mesa can be run from any account on any machine in the network.

The FLM is included with Mesa, can run on any NeXTSTEP/Openstep machine, and must be run on the same network as the copies of Mesa you wish to manage.

To use the FLM to manage your licenses:

1. Create a text file (use Edit) that contains the license number, number of users and enabling code for each license you want the FLM to manage, in the following format.

```
<license> <Tab> <# of users> <Tab> <enabling code>
```

Note: If you are including single-user licenses in your license information file, the number of users should be listed as -1, not as 1.

2. Save the file as `/etc/Mesa2.flm`

3. Open a Terminal window (just double-click the Terminal.app icon)

4. Change directory to the Mesa2FloatingLicence directory. If there isn't a Mesa2FloatingLicence directory on your system then Mesa has not been installed properly; go back to 'Installation' on page 1 and follow the instructions there.

5. Enter the command `flm`.

After a few seconds, the prompt returns. If there are any errors in the license numbers or enabling codes, or if there is already a copy of the flm running, you'll see an error message. Otherwise, it is running properly. To function correctly, the FLM must be running on a single machine on the same network as the copies of Mesa you want to use.

You can include as many lines in the Mesa2.flm file as there are individual licenses.

Example

To allow up to 7 users on your network to use Mesa 2 simultaneously: you have a 5 user license and 2 1-user licenses

1. Enter the license numbers, number of users and enabling codes into a file called /etc/Mesa2.flm as follows:

```
foo1    5     gfdsaghjk
bar1    -1    987ytr654
bar2    -1    ssffhh766
```

As you purchase new licenses, simply add new lines to the file.

Running the FLM automatically

To set the FLM to run automatically, add the following line to your /etc/rc.local file.

```
<pathname>/Mesa2FloatingLicence/flm > /dev/console 2>&1
```

... where <pathname> is the full path of the Mesa2FloatingLicence directory.

Changing the license-information filename

Although the FLM looks for a file called /etc/Mesa2.flm by default, you can save the license information in any file. You can use the -f option of flm to specify the alternative filename:

```
flm –f <filename>.flm
```

For security reasons, you should remove read and write privileges on the file that contains this license information for all but the Systems Administrator.

Running the FLM across bridges or routers

To run the FLM across bridges or routers you must modify the NetInfo database.

- Launch /NextAdmin/NetInfoManager.app
- Choose Domain->Open and choose '/' as the domain
- If the directory 'locations' does not exist, create it now by choosing Domain->New Subdirectory. DoubleClick newValue. In the box that appears, click newValue, change the name to locations, save the changes and close the window.

Click `locations` and follow the directions above to create a new subdirectory called `Mesa2`.

Click `Mesa2` and create a subdirectory called `flm`.

DoubleClick on `flm` and choose 'Directory->insert Property. Change the name of the property to server and choose `Directory->New Value`. Type in the name of the machine on which the FLM is running and save your changes.

3 Getting More Information

P&L Systems maintains electronic mailing lists to inform Mesa users about upgrades, and to provide a forum for general discussion. Mail us at mesa@plsys.co.uk and we'll send you more information.