

VALPARAISO UNIVERSITY
ELECTRICAL AND COMPUTER ENGINEERING DEPARTMENT

ECE 221

Downloading and Using Xwin32

Fall 2003

1. Through the course web page, save the Xwin32 program from the **Assignments -> Design Projects -> Design Project Information** location to your local machine.
2. Install the Xwin32 program program. The file that you downloaded is an executable installation file. Double-click on the icon to start the installation. During the installation you will be prompted for a number of items. You will not need to change any of the selections but you will need to have a serial number. When that serial number is needed type in:

40026-13766-30815-2908

3. Go to the Xwin32 program group and open **X-Config** utility program. Under **Sessions** on the menu bar select the **Wizard** option. As you work through the wizard make the following selections:

Connect Method: StarNetSSH
Host: 152.228.170.* (where * is between 71 and 91)
Login: (your workstation login)
Password: (your workstation password)
Command: SunOS (Solaris)
Name of Session: Choose a unique name like "SunLab"

4. The session name should now appear in the Sessions window. Click on that session and hit the **Edit** button. On the Command line add the following to the end: **-d 152.228.*.*:0** where the *.* represent your PCs IP address. You can find this by opening up a **Command Prompt** and then typing **ipconfig**. Then select the **Disable X11 Forwarding** box and hit Save.
5. Select the Security tab. Enable the **Access Control** and add the following two hosts to the X-Host list:

127.0.0.1
152.228.170.* (the host you added in the session above)

You can now close the X-config utility.

6. The Mentor Graphics fonts must be installed for you to use the software. You can download the Mentor fonts from the course website under the Design Project page. The file that you download will be a winzip self extracting file. You will need to extract this file to

c:\< path_to_x-win32>\lib\fonts\mentor

7. Now you need to add the Mentor fonts to your font path. To accomplish this, go to the **Fonts** menu option in the **X-Config** program and select **Font**. Click on **Add** option and trace through the directory structure until you should see your Mentor fonts directory. Double click the Mentor directory and select **Open**. The path to the Mentor fonts should now appear in your Font Path. Now you can close **X-Config**.
8. Now you can open an Xwindow client by selecting **Xwin32** from your Xwin32 program group. An X icon on your lower right palette will appear. Put your cursor over the icon, click on the LMB, and select the session name that you just set up. If everything is step up right, a command window should appear just like it would if you were sitting at a workstation. To open any Mentor tools at the prompt type in the appropriate command (like **da** or **vsim**).