

Using IspExplorer from 3P28

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Grouping	individual
Prerequisites	Knowledge of *nix and VHDL
Courses	CSI (CRTS, CSE, C&T), DSE, EE, E&EE
Requirements	GNU/Linux or Unix system with Alliance tools, Stamina & rdesktop
Summary	Provides access to the Lattice Semiconductor synthesis tools
Duration	2 hrs

Background

Due to the lack of drivers under Windows XP for the hardware security keys required by the software, use of the Lattice synthesis tool has been made more complex. You will need remote access to a w2k server for the synthesis phase.

The complete process requires the following steps.

- 1) Use `sxconv` to create an `edf` file for your project. Read the EDIF worksheet for details. Ensure that you have a valid file.
- 2) Connect to the remote machine via `rdesktop`.
- 3) Map your netlab home-space onto the remote machine and then follow the instructions in the Lattice worksheet up to the point of download.
- 4) Unmap your drive and logout from the remote machine.
- 5) Follow the instructions for local download to the lattice board.

Detailed steps

On the command line type

```
rdesktop wobbly&
```

NOTE:

Please treat wobbly with respect as it is called wobbly for a very good reason :) It's an elderly W2K server

Only 2 concurrent logins are possible so you may have to wait :(
When the windows login box appears make sure that you select CEMS

login to CEMS using your CEMS username and password

wait, wait, wait, wait, ...

wait some more ...

It can take a while for the desktop to appear

Please click on "remind me later" etc for any update messages that might appear.

Open windows explorer; select Tools -> map network drive

select Drive: 'L:' or any convenient letter
select/enter Folder: \\kenny\yourusername

where yourusername == your netlabs/cems userid

you should now have your netlabs directories available on wobbly.

You will need to remember which drive letter you selected as it will be embedded in the lattice project that you will create. Failure to do this will result in 'project not found' error messages when you try to re-open the project at a later date, even though you can see the project with a file-browser.

Select Start -> Programs ->Lattice Semiconductor -> ispExpert Compiler

Now follow the Lattice worksheet as far as Section 3. "Using the Daisy Chain Download."

Save your project and logout from wobbly. **LEAVE WOBBLY RUNNING!!!**

Follow the new instructions from this point.