

# You Need to Access To ModelSim & Synopsys From Home

- Choices for ModelSim
  - If you have Windows PC you can:
    - Install ModelSim Prime Lite edition (*see download link on Canvas page*)
    - Install Quartus (*bigger install*) it contains ModelSim Lite as part of it (*see download link in “Tutorials” section*)
    - Do not install the “free” version of QuestaSim. It is a bloated pig and the licensing is involved and requires signing over your first born child to Intel/Siemens
  - You should install XQuartz. This will allow you to run **vsim** (ModelSim) on a CAE Linux machine. Other option is to run ModelSim as a Zenapp.

# Mac Users: Remoting to Linux

- Once you have XQuartz installed you can launch it and open up a terminal to one of our Linux machines:  
**best-tux.cae.wisc.edu**

- From the XQuartz terminal prompt

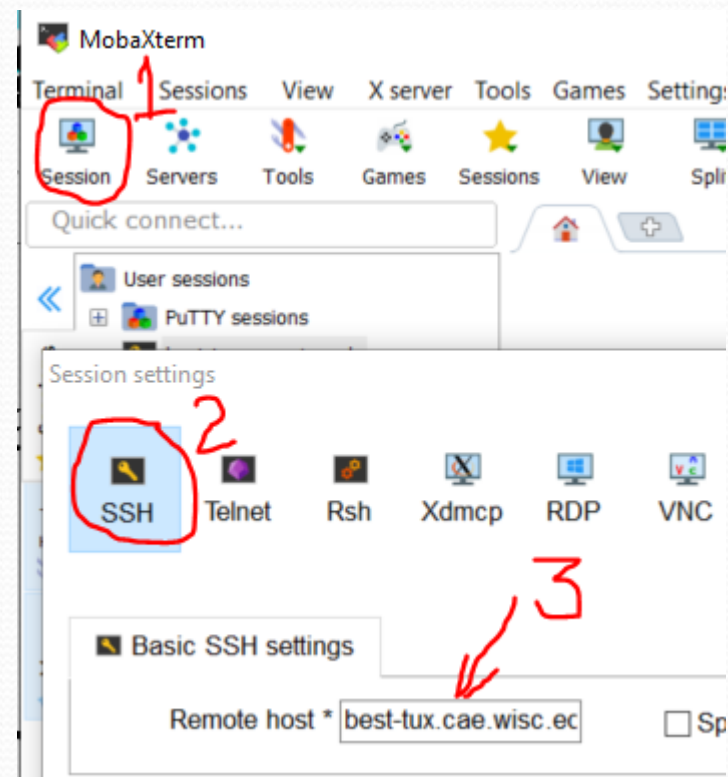
```
ssh -Y username@best-tux.cae.wisc.edu
```

- Once you are in remember you use the command **vsim** to launch ModelSim.



# Windows Users: Remoting to Linux

- Install **MobaXterm**. This is a terminal program much like Putty except it has X-11 forwarding (rendering of graphics) built in.
- Launch MobaXterm
- It is as easy as 1,2,3
- Once you're in **cd** to a directory of your choice and launch ModelSim with **vsim**.



# Running Synopsys (design\_vision) on Linux

- Synopsys tools are only available on CAE Linux machines.
- Both MAC and Windows users should now know how to remote into a Linux machine.
- To run Synopsys in GUI mode (which we hardly ever will do) simply type **design\_vision** at a linux prompt.
- To run Synopsys in command line mode (which we do often) type:

```
design_vision -shell dc_shell
```

At a linux prompt.