# ECE 264 Advanced C Programming

## SecureCRT and Linux Remotely Execute Tools

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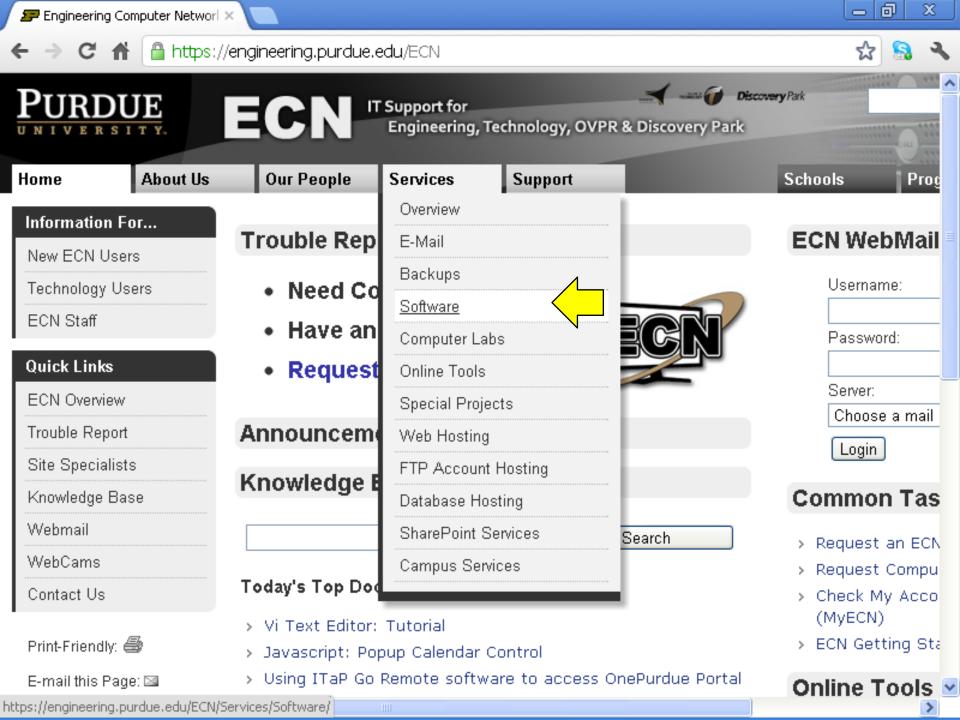
## **Purpose**

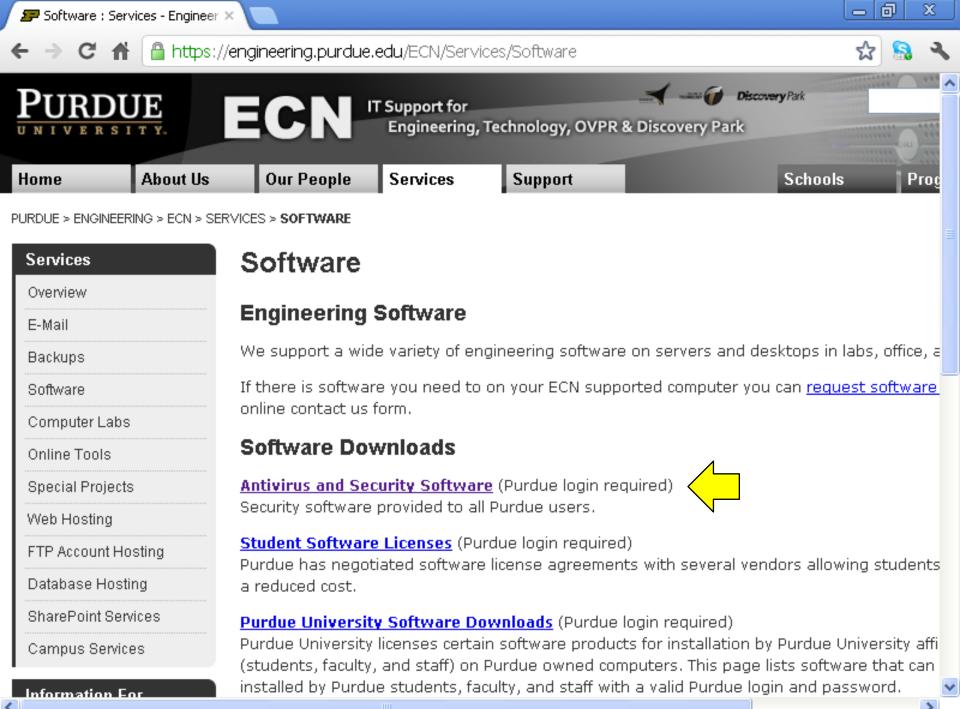
- This course uses Linux. If you do not have a Linux machine at home, you can remotely use the Linux computers provided by ECN.
- If you have a Windows machine, you can remotely enter a Linux computer using SecureCRT.
- Some tools require opening windows on your local machine.
- This video shows how to set up the environment.

## **Steps**

- Download and Install SecureCRT.
- Download and Install Cygwin.
- Start Xwin Server in Cygwin.
- Enter an ECN Linux machine.
- In SecureCRT, allow X11 Forwarding.
- Use the tools (DDD, emacs, ...)

## Download and Install SecureCRT.

















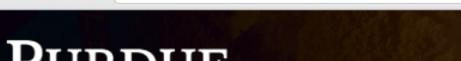
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#### Downloads

McAfee Antivirus and other Security Software

Antivirus Patches

McAfee Daily DAT files

Product Manuals

#### Other Links

McAfee Antivirus Software Help & General Information

McAfee Threat Center

### Antivirus & Security Software

To ensure virus protection, be sure to download and install the latest McAfee patch from the patc

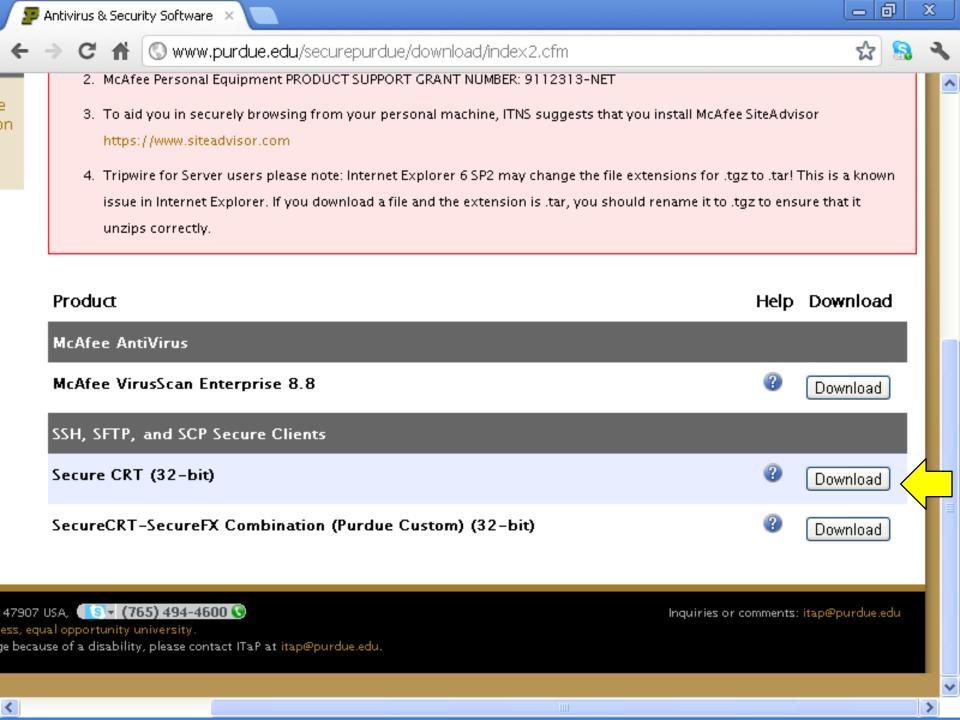
#### IMPORTANT NOTES:

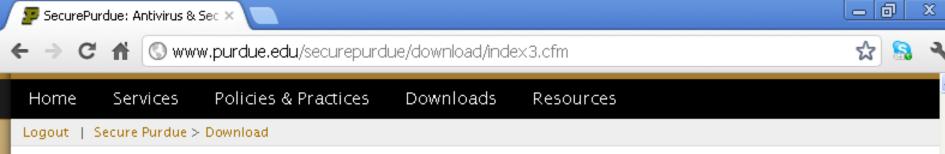
- 1. Attention: McAfee VirusScan Enterprise Edition is now being used for both Non-Purdue (per equipment.
- McAfee Personal Equipment PRODUCT SUPPORT GRANT NUMBER: 9112313-NET
- 3. To aid you in securely browsing from your personal machine, ITNS suggests that you instal https://www.siteadvisor.com
- 4. Tripwire for Server users please note: Internet Explorer 6 SP2 may change the file extension issue in Internet Explorer. If you download a file and the extension is .tar, you should renam unzips correctly.











#### Downloads

McAfee Antivirus and other Security Software

Antivirus Patches

McAfee Daily DAT files

Product Manuals

#### Other Links

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McAfee Threat Center

### **Antivirus & Security Software**

Platform: Windows XP

Product: Secure CRT (32-bit)



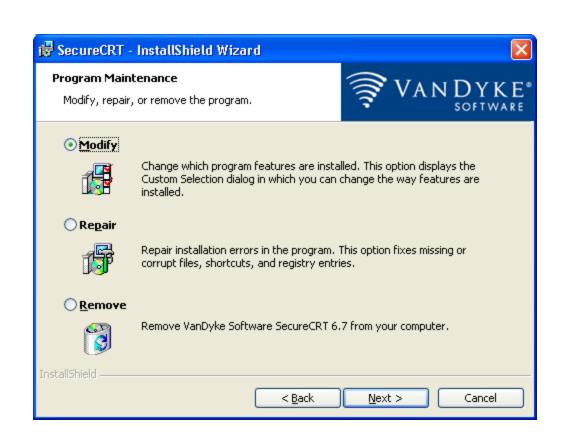
Download scrt671-x86.exe

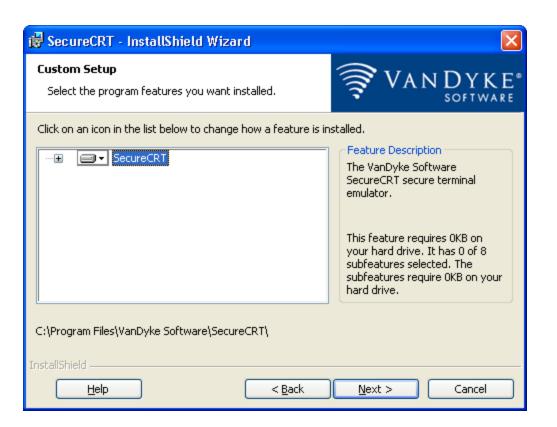
< Download another file

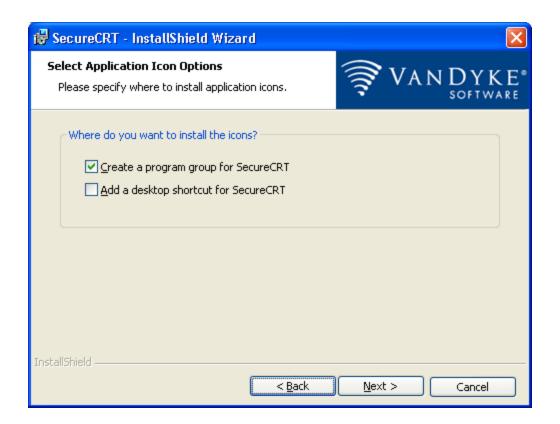












## Download and Install Cygwin.













www.cygwin.com

#### Cygwin/X

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Mailing Lists

Newsgroups

Mirror Sites Donations

Documentation |

FAQ

User's Guide

API Reference Acronyms

Contributing

Snapshots Source in CVS

Cygwin Packages

## Cygwin

Get that Linux feeling - on Windows!

### This is the home of the Cygwin project

#### What...

#### ...is it?

Cygwin is:

- a collection of tools which provide a Linux look and feel environment for Windows.
- a DLL (cygwin1.dll) which acts as a Linux API layer providing substantial Linux API functionality.

#### ...isn't it?

Cygwin is not:

- a way to run native Linux must rebuild your applica want it to run on Windov
- · a way to magically make aware of UNIX® function Again, you need to build you want to take advanta





















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API Reference

Acronyms

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Source in CVS

Cygwin Packages

## Cygwin

Get that Linux feeling - on Windows!

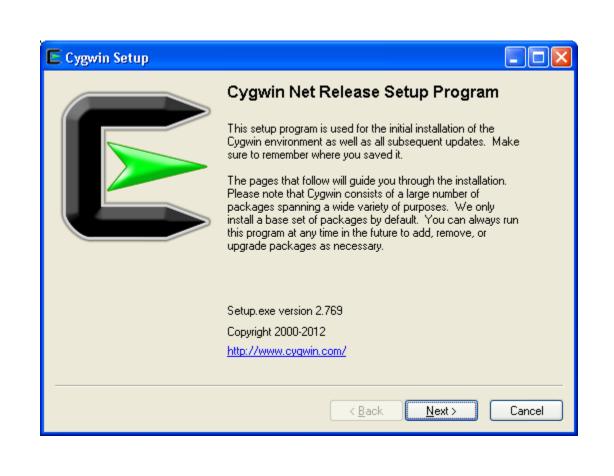
## Insulling and Updating Cygwin

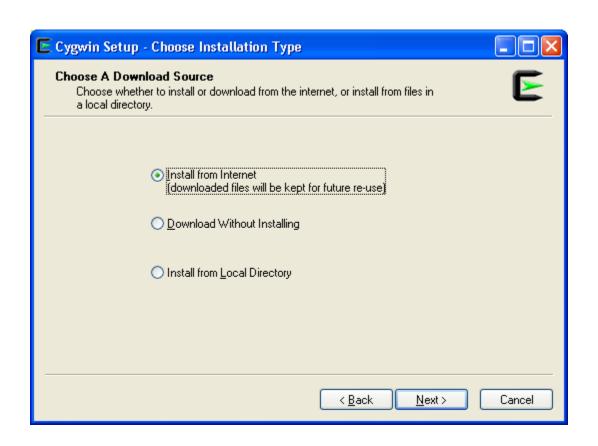
Run <u>setup.exe</u> any time you want to update or install a Cygwin package. The <u>signature</u> for verify the validity of this binary using this public key.

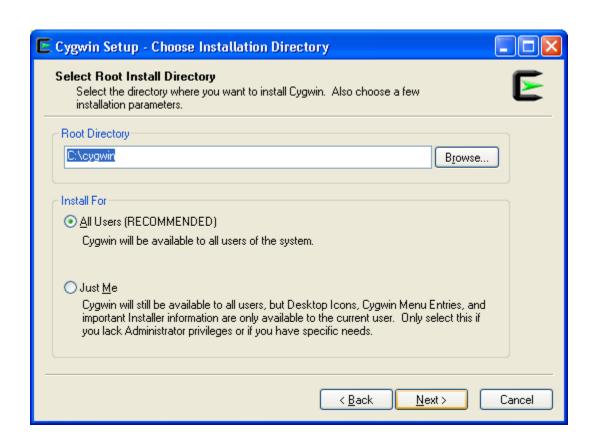
When installing packages for the first time, setup, exe does not install every package. packages from the Cygwin distribution are installed by default. Clicking on categories as setup, exe package installation screen will provide you with the ability to control what i Clicking on the "Default" field next to the "All" category will provide you with the opport package. Be advised that this will download and install hundreds of megabytes to your c probably to click on individual categories and install either entire categories or packages themselves.

The latest net releases of the Cygwin DLL are numbered 1.n.x, where "n" is currently "7 version numbering refers only to the Cygwin DLL. Individual packages like bash, gcc, lev

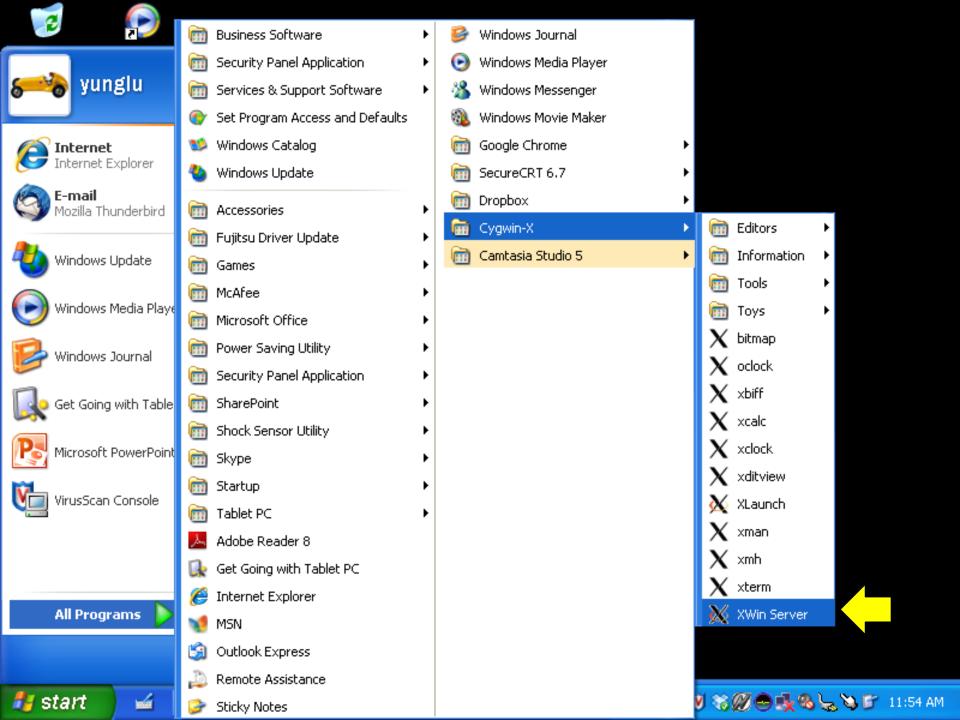


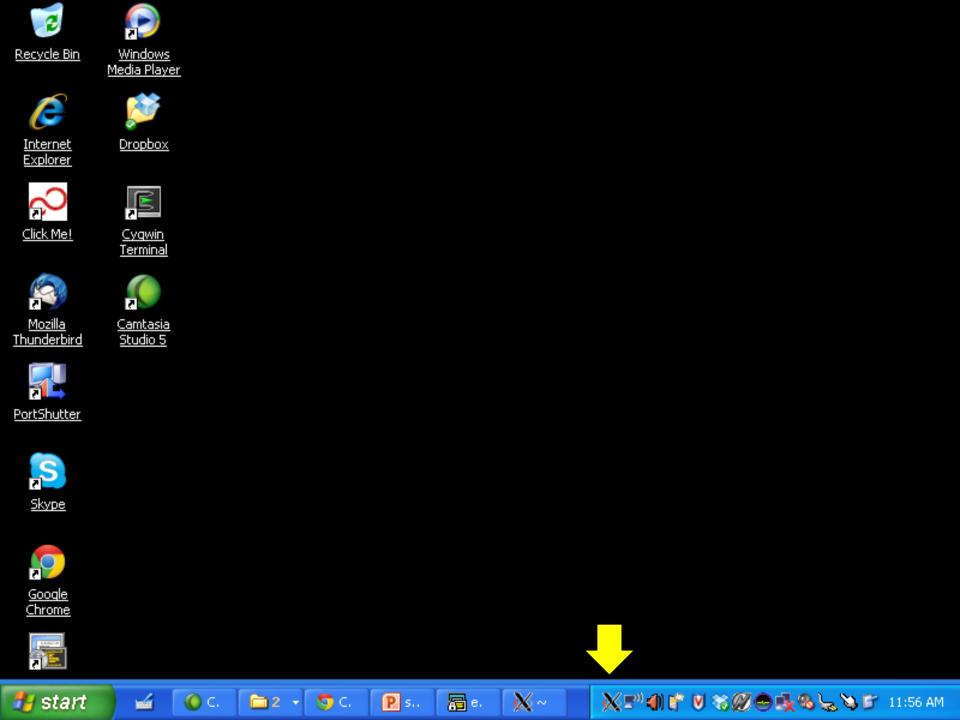




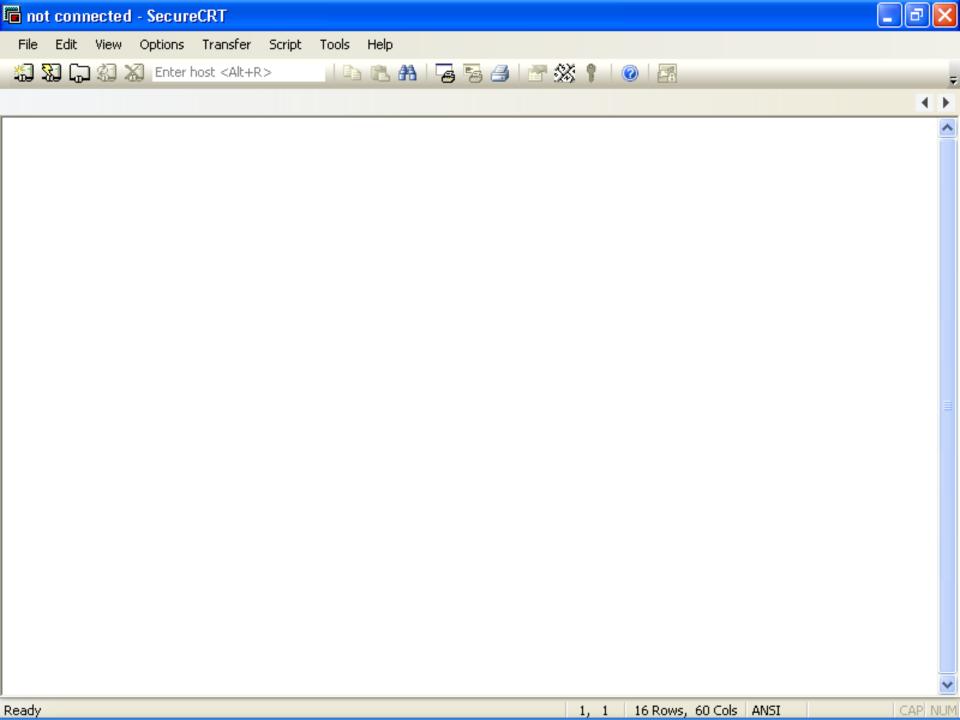


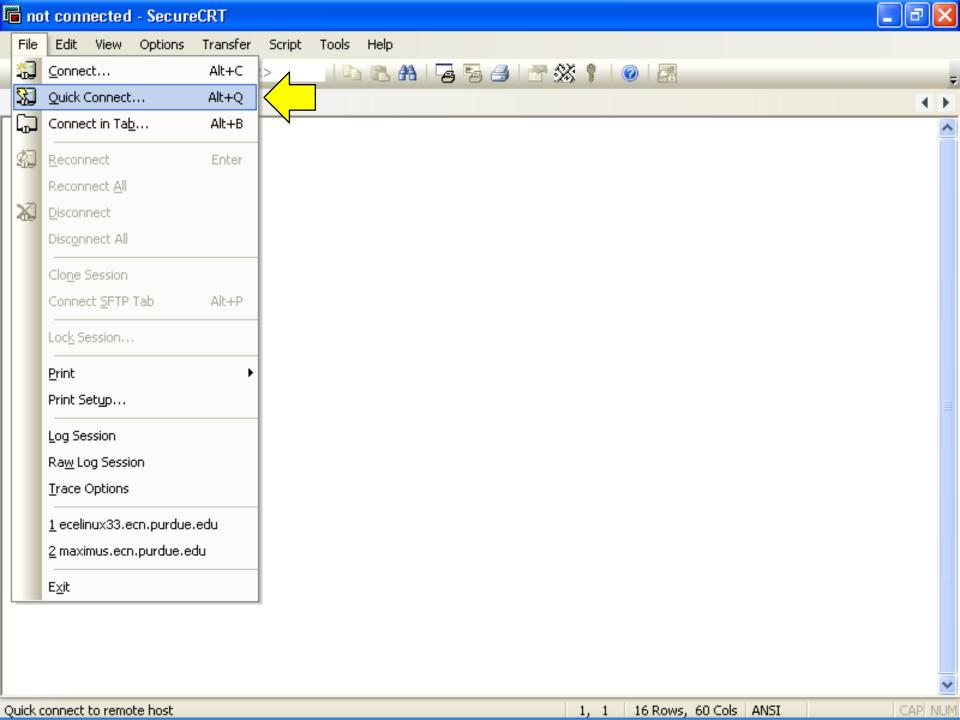
## Start Xwin Server in Cygwin.

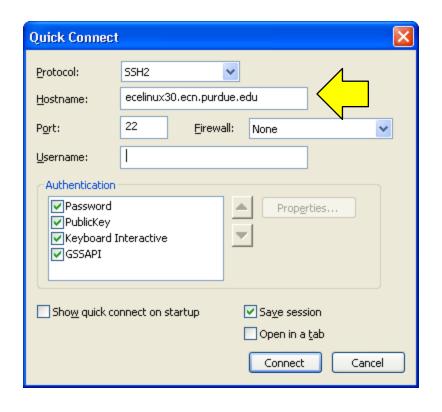




## Enter an ECN Linux machine.

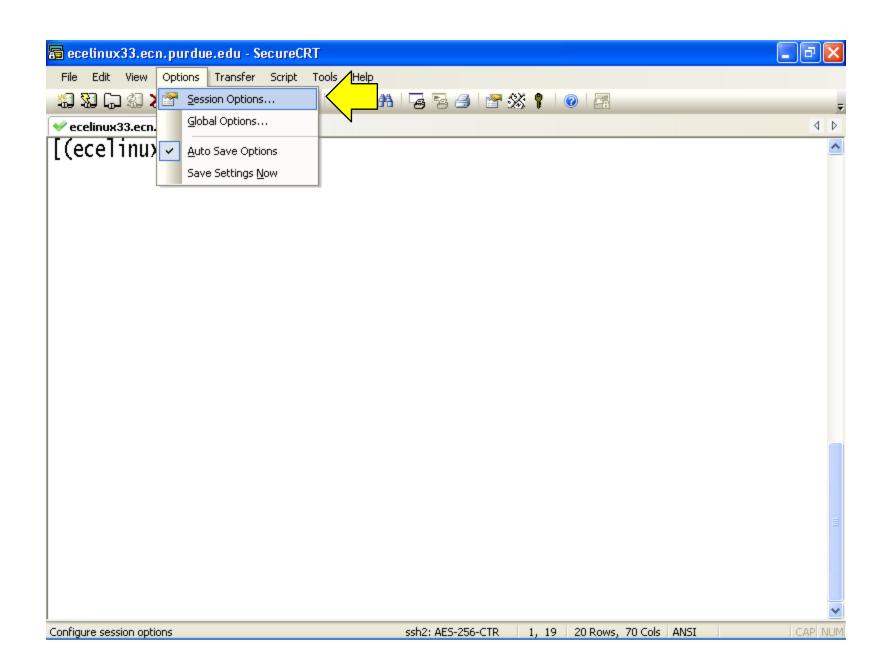


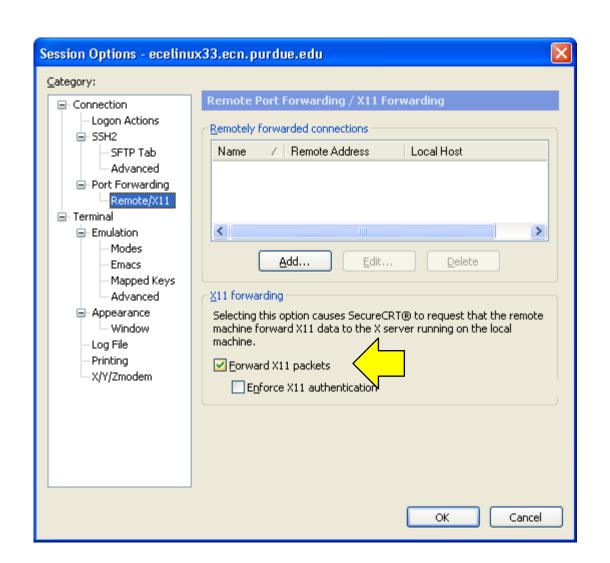




There are dozens of computers with different numbers. Don't always use ecelinux30. If everyone uses 30, it will be very slow. **Use different numbers.** 

# In SecureCRT, allow X11 Forwarding.





## **Start DDD**

