

ECPS 203

Discussion

TA: Zhongqi Cheng

Introduction

- Zhongqi Cheng
- Ph.D in Computer Engineering

Office hour

- EH 3404
- Friday, 11 am
- From next week



How to contact

- email: zhongqc@uci.edu
- message board on eee.uci.edu for ECPS 203

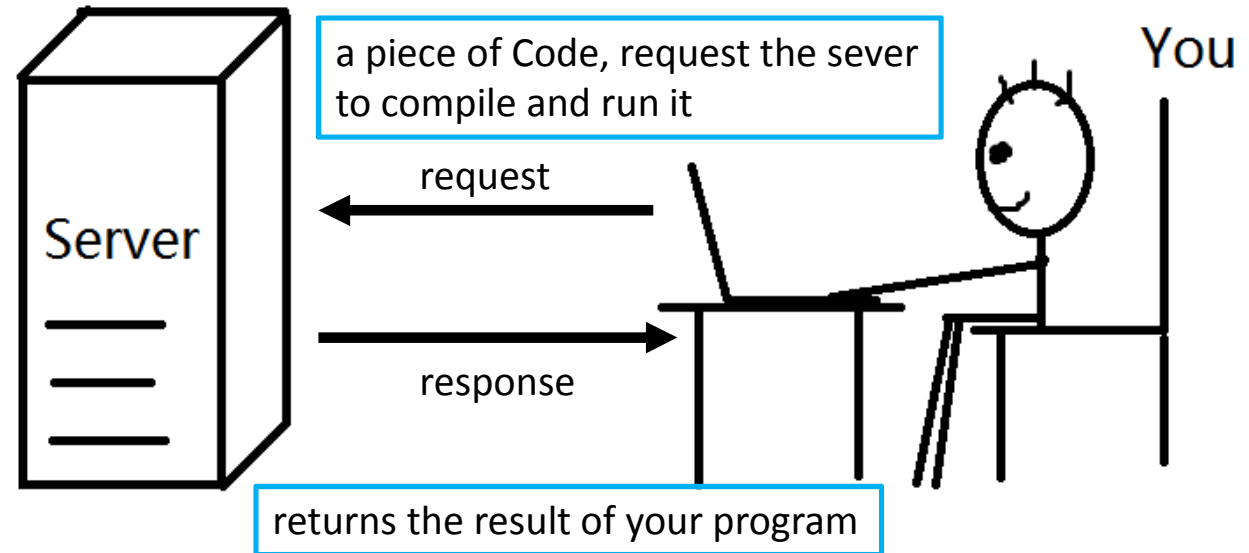
Agenda

- How to use the EECS servers
- Assignment 1

Servers

- Servers are computers
- Are visited via the Internet
- crystalcove.eecs.uci.edu
- zuma.eecs.uci.edu
- bondi.eecs.uci.edu
- laguna.eecs.uci.edu

Listed in assignment 1



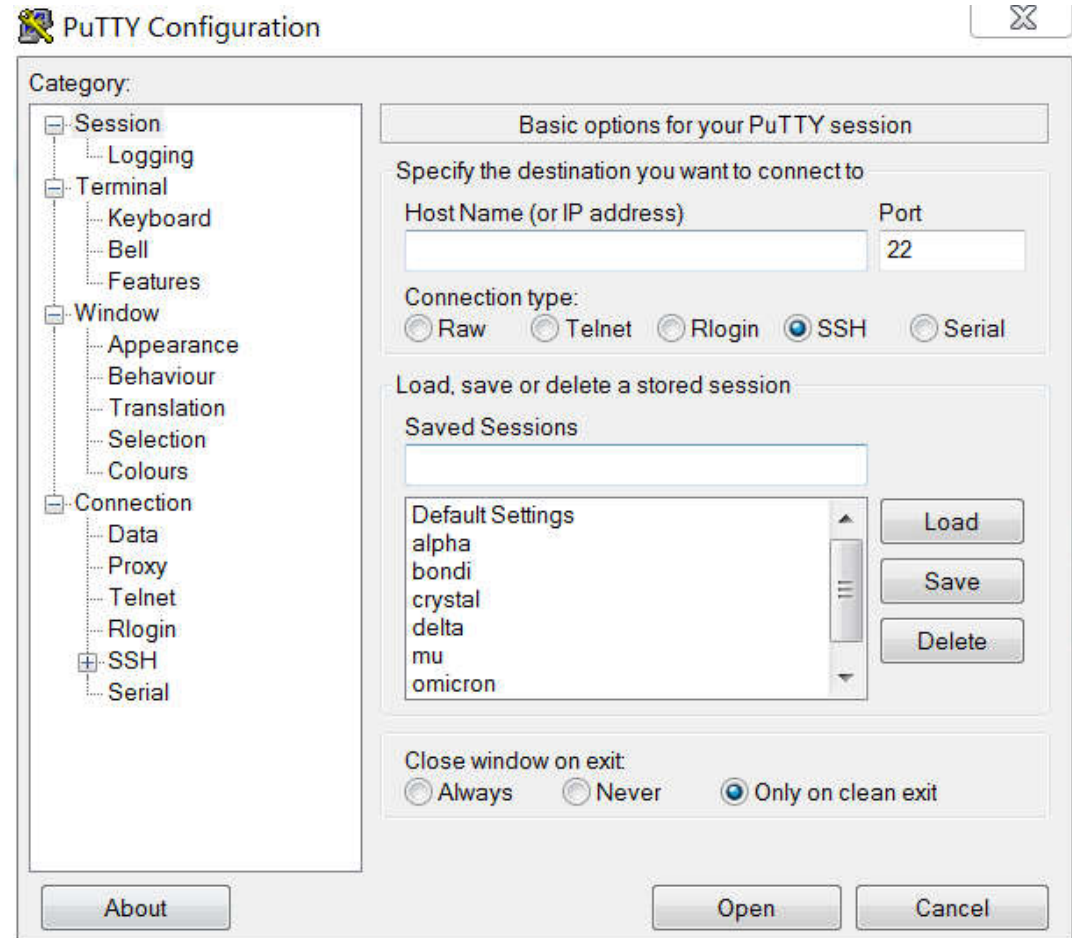
Servers

How to connect to servers

- On Linux, Mac OS
 1. Open the built-in terminal
 2. Use ssh command
For example, `ssh bondi.eecs.uci.edu`
- On Windows:
 - Putty, free, google it and download

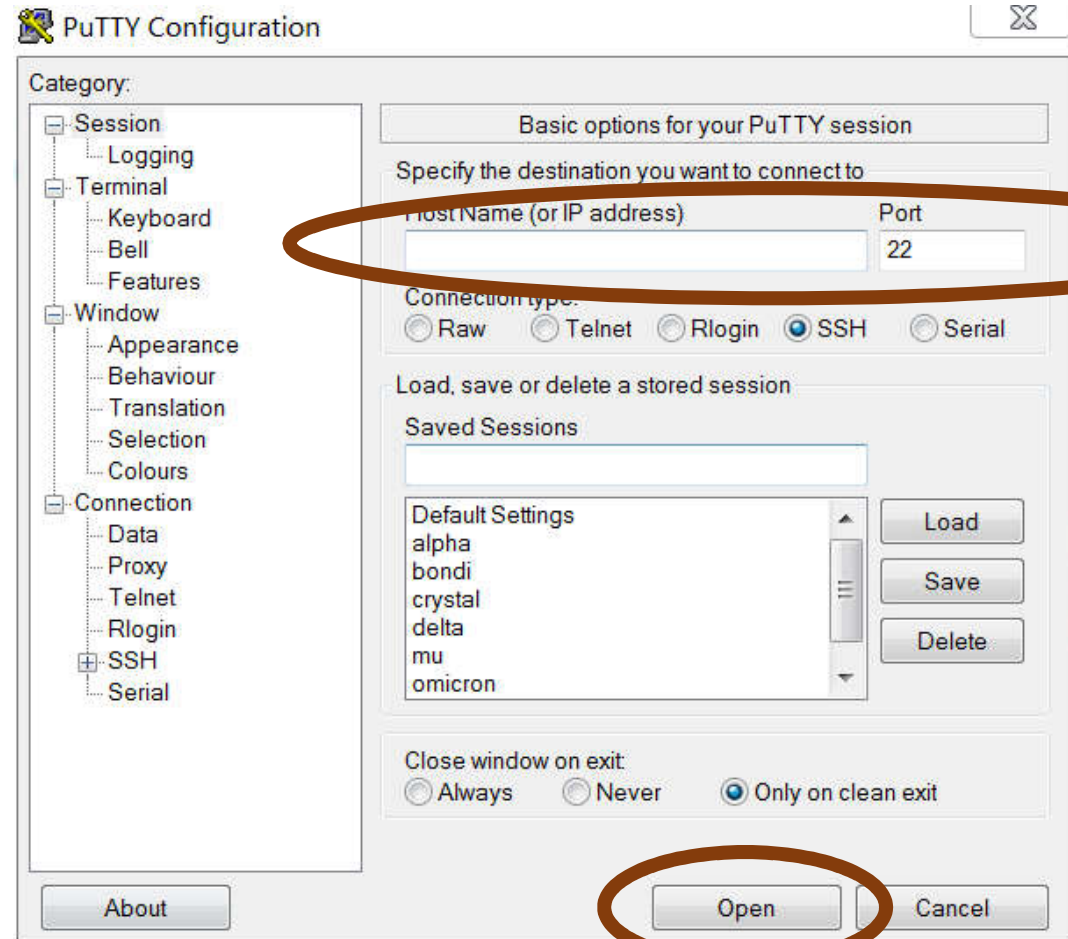
Servers

- This is putty



Servers

- Type in Host name
- That is, the server name
- For example
bondi.eecs.uci.edu
- Click open



Servers

- Login with you UCInetID

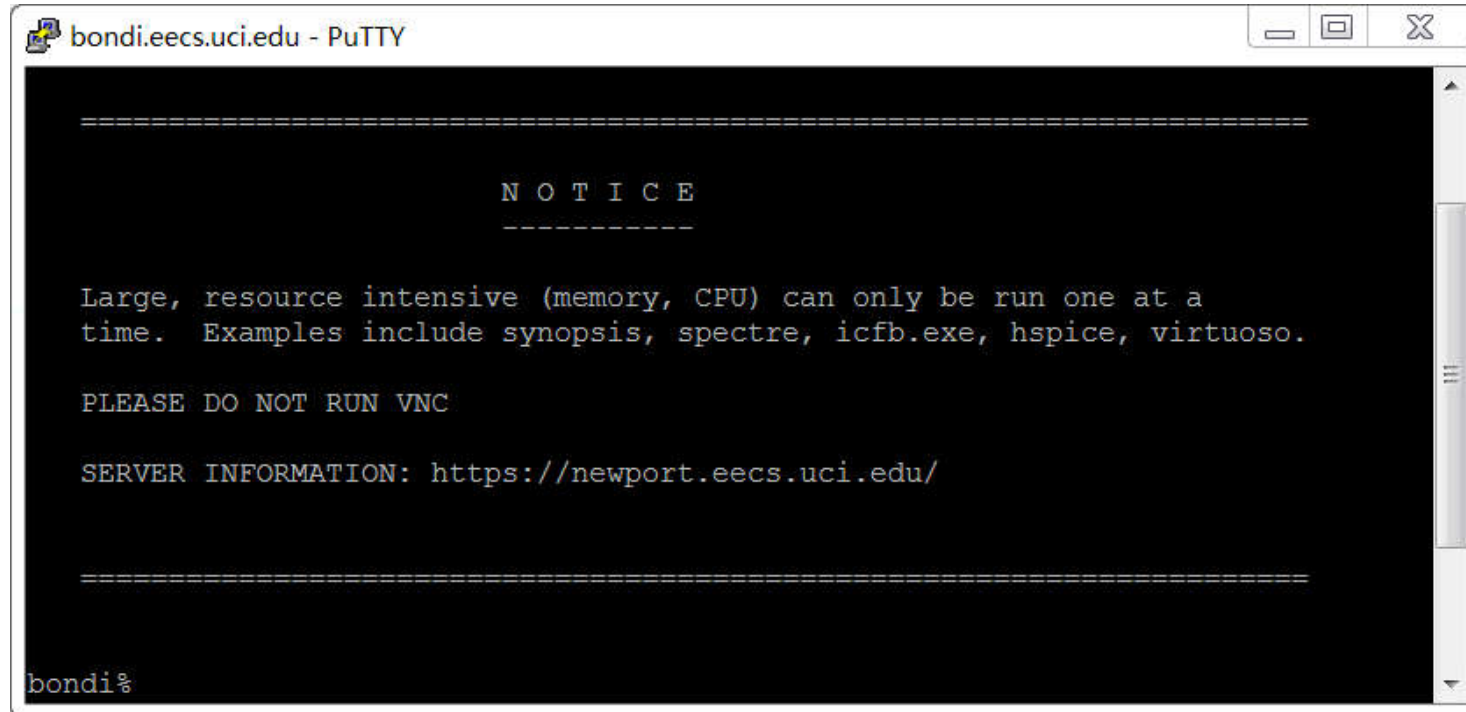


Servers

- And your password

Servers

- Succeeded?

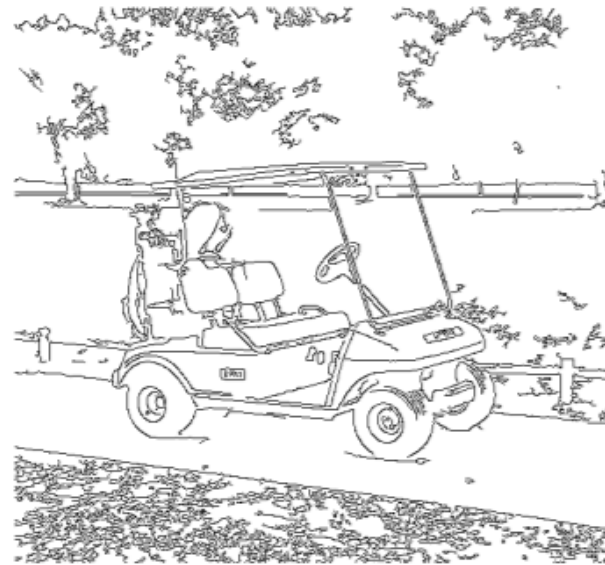


The image shows a PuTTY terminal window titled "bondi.eecs.uci.edu - PuTTY". The terminal displays a NOTICE message enclosed in dashed lines. The message reads: "Large, resource intensive (memory, CPU) can only be run one at a time. Examples include synopsis, spectre, icfb.exe, hspice, virtuoso. PLEASE DO NOT RUN VNC SERVER INFORMATION: https://newport.eecs.uci.edu/". The terminal prompt "bondi%" is visible at the bottom left.

```
=====  
N O T I C E  
-----  
  
Large, resource intensive (memory, CPU) can only be run one at a  
time. Examples include synopsis, spectre, icfb.exe, hspice, virtuoso.  
  
PLEASE DO NOT RUN VNC  
  
SERVER INFORMATION: https://newport.eecs.uci.edu/  
  
=====  
bondi%
```

Assignment 1

- Canny edge detector
- Realize it with C language



Assignment 1

- Good news:
 - Source code is available
 - either download it online, or copy it from the instructor's account
- Bad news:
 - some syntax errors, and gcc compiler does not understand it

Assignment 1

- compile it

```
gcc canny.c -lm -o canny
```

- run it

```
./canny golfcart.pgm 0.6 0.3 0.8
```

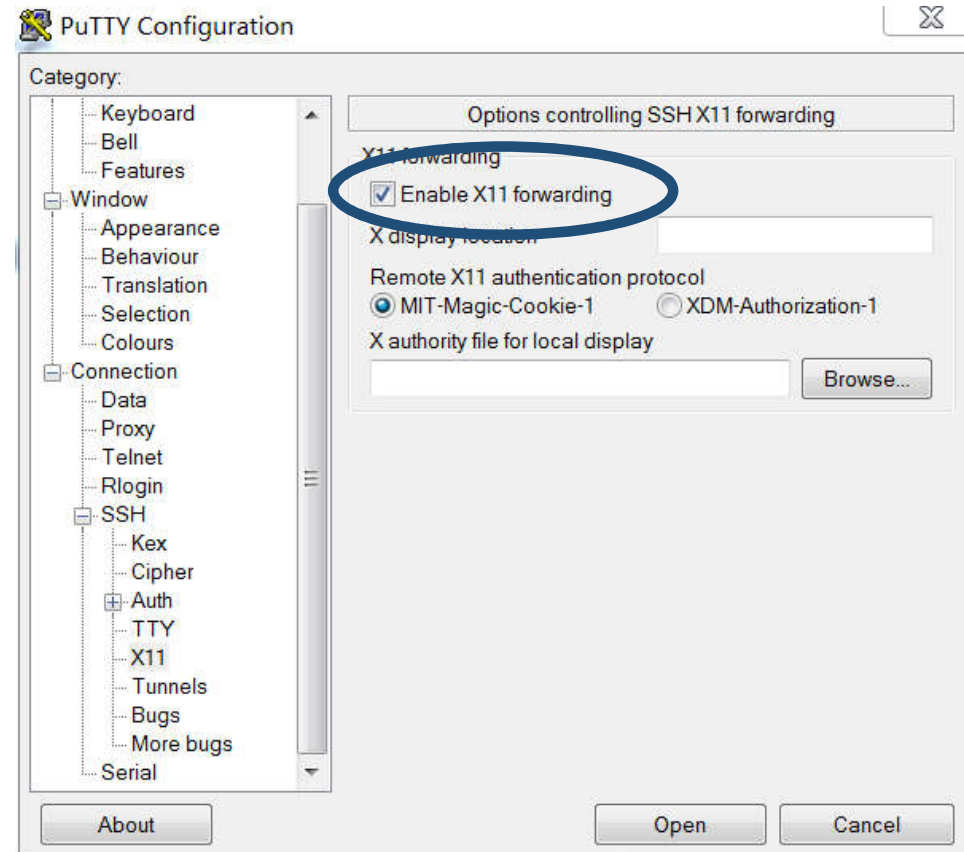
- display the result

```
eog golfcart.pgm_s_0.60_l_0.30_h_0.80.pgm
```

eog is a built-in tool on the servers to display images

Assignment 1

- For windows users, download Xming
- Turn on display for putty
- Connection -> SSH ->X11
->Enable X11 forwarding
- Then log into the server.



Assignment 1

- Write down the function-call tree in a file, name it canny.txt
- The relations between functions
- For example:

main() calls a(), and a() calls b()

```
void a() {  
    b();  
}
```

```
int main() {  
    a();  
}
```

Assignment 1

- Submit it
- run the script:
 `~ecps203/bin/turnin.sh`

it copies the hw1 folder and the files inside it to the instructor's account