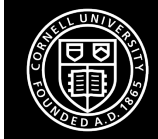

ECE 5725
Principles of Embedded Operating Systems
Lecture 4

Prof. Joseph F. Skovira

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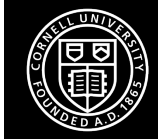

Information

Homework 1

Lab 1

Canvas Updates

Scheduling Issues

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ECE 5725 server

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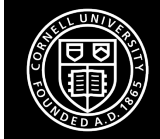

ECE5725 Server

ssh netID@132.236.79.64

Example:

ssh jfs9@132.236.79.64

↖ DON'T use this….this is ME!

Your user ID = your netID

Your Password = Last Name with first letter capitalized

passwd

To change your password

Mac

- terminal window
- iTerm2

Windows

- MobaXTerm
- Putty

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ECE 5725 server

Take a look at processes

date

ps

df

top / htop

cat /proc/cpuinfo

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Lab Overview

Develop an experimental embedded platform

sudo apt_get install some_application

Drivers: modprobe

Change boot sequence to put default console on piTFT

FRAMEBUFFERS
    fb0 and fb1

man ‘command name’

dmesg

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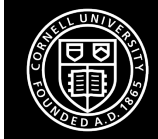

Notes for lab1

Linux Controls
- Pi user is sudo user – system administrator
- shutdown and reboot

File permissions

sudo apt-get update and upgrade

Editors: Vim tour

Python

Backups

Linux Structure

ESD

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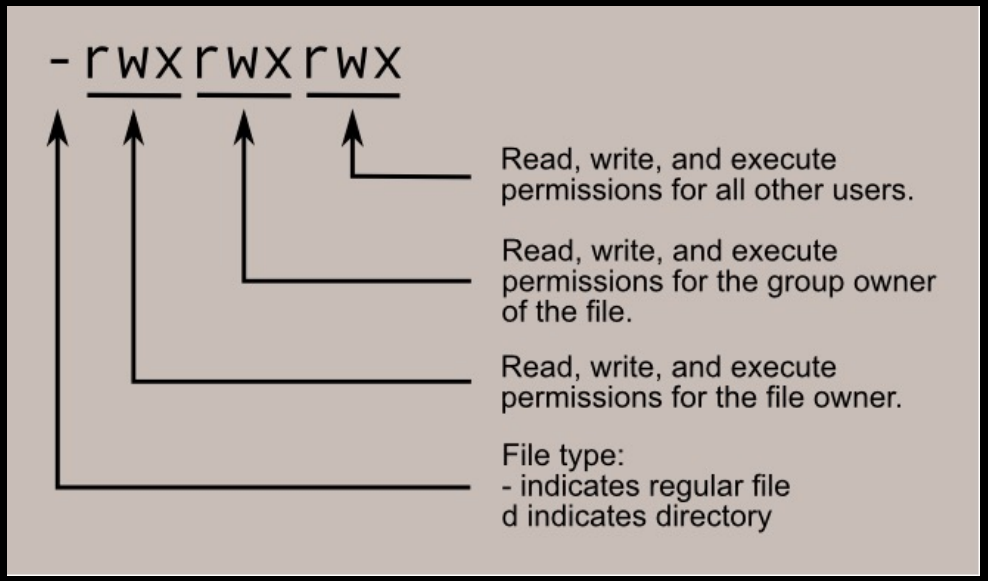
Linux file permissions



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