Command Line

How Do You Survive

What You Need

Access to a Linux Terminal

VirtualBox https://www.virtualbox.org/

Kali Linux or Another Distribution of Linux

http://www.kali.org/ http://en.wikipedia.org/wiki/Linux_distribution

OS X will work if you have that

Linux File System

http://tldp.org/LDP/intro-linux/html/sect_03_01.html

Finding information on commands

man - manual pages

help

info

ss64.com/bash - good online reference

tldp.org/ - The Linux Documentation Project

Useful Navigation Commands

pwd - print working directory

cd - change directory

ls - list contents of a directory

whoami - tells you what user you are

mkdir - make directory

rmdir - remove directory

tab completion

Displaying

cat - print file to screen

tail - output last part of file

head - output first part of file

less

more

command line text editors

rm - removes
     files

echo

Command Line Text Editors

Pico

Nano*

Vi*

Vim*

Emacs

Obtaining SuperUser Privileges

- Will need SuperUser Privileges to install software
- How do you become the SuperUser
  - Two Ways
    - Sudo - run a command as a SuperUser
    - SU - become a SuperUser

Installing Software via Command Line

Package Managers

- apt-get* (Debian based distributions)
- yum (RedHat based distributions)
- pacman (Arch based distributions)

How to install new software

apt-get update

apt-get upgrade

apt-cache search <name of software>

apt-get install <name of software>

utilities

find

top - displays processes that are running

kill - kill a process

uname - prints system information

lshw - lists computer hardware

ps - report snapshot of current processes

Network

ifconfig - view and configure network interface

ping - useful for testing to see if a system is up

nslookup - looking up DNS names of systems

hostname

ssh - secure shell

Administrative

passwd - modify a user's password

kpasswd

chmod - change a file's permissions

history   shutdown

fdisk   reboot

mount   tar

hexedit

Copying / moving files

cp - copy

scp - secure copy

mv - move

rsync - fast, versatile remote and local file copying tool

dd

network downloaders

wget

curl

Other

lynx   clear   grep   date   who   exit

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