CMPE283 : Virtualization

Assignment 1: Discovering VMX Features

Steps

1. Change to the directory where you want to clone the git tree. In this example we will use

$HOME:  cd $HOME

1. Clone the mainline kernel git tree:

git clone https://github.com/torvalds/linux.git

1. Change to directory linux:  cd linux
2. Copy the kernel config file from your existing system to the kernel tree:

cp /boot/config-`uname -r` .config

1. Bring the config file up to date. Answer any questions that get prompted. Unless you know you are interested in a particular feature, accepting the default option by pressing Enter should be a safe choice:

make oldconfig

In cases where your kernel source is significantly newer than the existing config file, you'll be presented with all of the new config options for which there is no existing config file setting. You can either sit there and keep hitting Enter to take the default (generally safe), or you can just run:

yes '' | make oldconfig

 which emulates exactly the same thing and saves you all that time.

1. (optional) If you need to make any kernel config changes, do the following and save your changes when prompted:

make menuconfig

1. Clean the kernel source directory:  make clean