



Lab X2: Custom rooting with OpenSUSE

This lab an extra credit lab where you install an OpenSUSE 11 system, add a new hard drive, add a small root file system to the new hard drive, then add a new startup option in GRUB that roots the kernel to the new file system.

Procedure

Build the OpenSUSE VM

Follow: http://simms-teach.com/howtos/110-openSUSE-11-install.pdf

Extend VM with 2nd Drive, add root file system and boot option

Follow: http://simms-teach.com/howtos/112-create-root-file-system.pdf

Extra Credit (10 points)

2 points - For setting up the VM as specified

2 points - For setting up drive partitions as specified

2 points - For making root file system as specified

2 points - For configuring GRUB as specified

2 points – For successful startup rooting to 2nd drive

To submit lab

Startup with normal OpenSUSE boot option

- mount /dev/sdb1 /mnt
- ls -lR /mnt > labx2
- fdisk -l >> labx2

- mount >> labx2
- cat /boot/grub/menu.lst >> labx2
- dd if=/dev/sda bs=512 count=1 | xxd >> labx2

scp labx2 cis191@opus.cabrillo.edu:labx2.logname