

Summary of the Ubuntu Experience (thus far)

(CISS-150 William Jojo)

Use of the following Unix commands:

sudo – superuser do. Run privileged commands as the root or super user.

sudo gedit /etc/fstab [Runs the gedit command as the root user to edit the filesystem table]

sudo gedit /boot/grub/menu.lst [Similar command to edit the grub bootloader configuration file.]

gedit – Text editor for the GNOME desktop. [See example above]

mkdir – make a directory.

mkdir vmware [make a subdirectory in the current directory]

sudo mkdir /virtmach [make a subdirectory off of the root filesystem]

apt-get – APT package handling utility.

apt-get install build-essential [install C compiler and other dependent tools to build runtime programs from source code. VMware server is built with these tools.]

tar – tape archive utility (although not just for tapes anymore)

tar xzvf VMware-server-1.0.4-56528.tar.gz [extracts and unzips verbosely a file specified by the name]

df – disk free utility to report disk space utilization

df -k [report the amount of free space on mounted filesystems]

ls & dir – list directory contents

dir dirname [display directory contents of *dirname*.]

ls -al [display long format directory contents of the current directory.]

ls -al dirname [display long format directory contents of *dirname*.]

mount – Command to connect a local or remote filesystem resource to a local directory.

sudo mount /ciss150 [Mounts the /ciss150 filesystem specified in /etc/fstab.]

umount – Command to disconnect a local or remote filesystem resource from a local directory.

sudo umount /ciss150 [Disconnects the remote filesystem from the /support directory.]

chmod – Command to change the access mode of a directory

chmod 777 /virtmach [wholesale read and write access to /virtmach filesystem.]

Additional packages that have been installed with Synaptic:

smbfs – Provides SMB/CIFS type filesystem access to a Windows or Samba share.

xinetd – Provides the internet daemon program to listen for specific requests on network ports and start services appropriate for that request. Required for VMware.

gparted – Provides a partition editor for the GNOME desktop. This GUI disk editor allows you to make changes to disks including adding and removing partitions of differing filesystem types including **ext2** and **ext3**.

build-essential – (Actually installed at the command line in class.) This “package” is an information list of components to install including libc6-dev, gcc, g++, make and dpkg-dev.

Lines added to /etc/fstab for automounting of filesystems with tabs between values:

[This line specifies a mount point of /support to the remote share ciss150 on server exdev.hvcc.edu as a SMBFS connection as a guest user.]

```
//exdev.hvcc.edu/ciss150      /ciss150    smbfs      guest      0      0
```