

Username:

Installation Settings:

- Primary network interface: eth0
- IP address: 10.227.2.(10 + system number)/24
- Gateway: 10.227.2.1
- Name Server: 10.227.2.5
- Host Name: a227-XX (ie a227-02)
- Domain Name: cis226.a227.cis
- x The root password should be set to
- x Normal user based on your name, password
- x Arizona Time Zone

Manual partitioning

Setup RAID 1 and RAID 5, and LVM during install:

Same sda & sdb & sdc

1	01.00GB	primary	physical volume for raid - boot flag on
2	01.00GB	primary	physical volume for raid
3	00.75GB	primary	physical volume for raid
5	04.25GB	logical	physical volume for raid
6	03.50GB	logical	physical volume for raid
7	10.50GB	logical	physical volume for raid

You will have some FREE SPACE (less then 500MB) remaining.

Configure software RAID

Raid1: sda1=sdb1=sdc1 sda2=sdb2=sdc2 sda3=sdb3=sdc3 sda5=sdb5=sdc5 sda6=sdb6=sdc6

Raid5: sda7+sdb7+sdc7

Setup for LVM on Raid5

Set use as on RAID5 Device #5 to Physical Volume for LVM

Configure the Logical Volume Manager

Create volume group "cis226" with /dev/md5

Create logical volume home (4GB)

Create logical volume squid (4GB)

Setup your file systems

Raid 1 Device 0, ext4 file system, mount point /

Raid 1 Device 1, ext4 file system, mount point /tmp

Raid 1 Device 2, swap area

Raid 1 Device 3, ext4 file system, mount point /usr

Raid 1 Device 4, ext4 file system, mount point /var

Raid 5 Device 5, DO NOT TOUCH

LVM VG cis226, LV home #1, XFS file system, mount point /home

LVM VG cis226, LV squid #1, XFS file system, mount point /var/spool/squid

Finish partitioning and write changes to disk

- x Debian archive mirror: ftp.us.debian.org
- x Proxy server: http://10.227.2.5:3128
- x No for the Debian Popularity Contest
- x Software Selection: Standard system utilities and SSH server only
- x **DO NOT SELECT DEBIAN DESTOP ENVIRONMENT !!!**
- x Install GRUB to the MBR