

The following screenshots illustrate how I used the 'fdisk' utility to partition and configure the 2 hard disks used in the Dual Boot Assignment.

```

*          driver = snd_intel8x0
* VideoCard:  InnoTek Systemberatung GmbH VirtualBox Graphics Adapter [ ok
* Adjusting inittab ... [ ok
* Starting local ... [ ok

livedd login: root (automatic login)
Last login: Tue May 5 11:38:56 UTC 2015 on tty5
Welcome to the Gentoo Linux Minimal Installation CD!

The root password on this system has been auto-scrambled for security.

If any ethernet adapters were detected at boot, they should be auto-configured
if DHCP is available on your network. Type "net-setup eth0" to specify eth0 IP
address settings by hand.

Check /etc/kernels/kernel-config-* for kernel configuration(s).
The latest version of the Handbook is always available from the Gentoo web
site by typing "links http://www.gentoo.org/doc/en/handbook/handbook.xml".

To start an ssh server on this system, type "/etc/init.d/ssh start". If you
need to log in remotely as root, type "passwd root" to reset root's password
to a known value.

Please report any bugs you find to http://bugs.gentoo.org. Be sure to include
detailed information about how to reproduce the bug you are reporting.
Thank you for using Gentoo Linux!

livedd ~ # fdisk /dev/sda

Welcome to fdisk (util-linux 2.25.2).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Device does not contain a recognized partition table.
Created a new DOS disklabel with disk identifier 0xe06a0dc.

Command (m for help):

```

- 1) **fdisk /dev/sda** this enters the fdisk utility and selects devices then the first hard disk. Hard drives use the naming convention sda, sdb, sdc, sdd etc... until sdz, then sdA, sdB, sdC, sdD.

```

Command (m for help): n

Help:

DOS (MBR)
a toggle a bootable flag
b edit nested BSD disklabel
c toggle the dos compatibility flag

Generic
d delete a partition
l list known partition types
n add a new partition
p print the partition table
t change a partition type
v verify the partition table

Misc
m print this menu
u change display/entry units
x extra functionality (experts only)

Save & Exit
w write table to disk and exit
q quit without saving changes

Create a new label
g create a new empty GPT partition table
G create a new empty SGI (IRIX) partition table
o create a new empty DOS partition table
s create a new empty Sun partition table

Command (m for help): n
Partition type
  p primary (0 primary, 0 extended, 4 free)
  e extended (container for logical partitions)
Select (default p):

```

- 2) **n** the n command tell the fdisk utility to create a new partition on the selected drive. It then provides the user with 2 options. Primary or Extended partition types.

```

Command (n for help): n
Help:
DOS (MBR)
a toggle a bootable flag
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Save & Exit
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Create a new label
g create a new empty GPT partition table
G create a new empty SGI (IRIX) partition table
o create a new empty DOS partition table
s create a new empty Sun partition table

Command (n for help): n
Partition type
p primary (0 primary, 0 extended, 4 free)
e extended (container for logical partitions)
Select (default p): p
Partition number (1-4, default 1): 1
First sector (2048-20971519, default 2048):

```

- 3) **p** the p command selects 'Primary Partition'.
- 1** 1 then selects the first partition on the drive.

```

Help:
DOS (MBR)
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d delete a partition
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Create a new label
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Command (n for help): n
Partition type
p primary (0 primary, 0 extended, 4 free)
e extended (container for logical partitions)
Select (default p): p
Partition number (1-4, default 1): 1
First sector (2048-20971519, default 2048):
Last sector, +sectors or +size(K,M,G,T,P) (2048-20971519, default 20971519): +15G

```

- 4) I then pressed enter on the keyboard which defaulted to the first available sector (2048).
+15G this command chooses the sector number that is 15GB's away from the first.
- 5) I then repeated the steps but with a 4.4G Partition and a 500M Partition.

