

We choosed to use Debian Lenny 64bit as VDD server OS. Three 10.000 rpm disks have been put in RAID 5, using Linux RAID software. The resulting device md0 has been then treated with LVM (Logical Volume Manager). Modifications to LVM (creation of volume groups and logical volumes) have been initially performed using a GUI and then with lvm shell commands. See also the Xen section for auto lv creation through xen-tools. Boot partition has been created outside RAID and LVM volumes.

```
root@serv1:~# apt-get install system-config-lvm
```

LVM COMMANDS

```
root@serv1:~# lvm help
```

```
root@serv1:~# lvm help <command>
```

Use the appropriate "make filesystem" command" to create different filesystems

E.g.

```
root@serv1:~# mke2fs -j <device>
```

```
root@serv1:~# mkswap <device>
```

This is our resulting fstab file:

```
# /etc/fstab: static file system information.
#
# <file system>          <mount point> <type>          <options>          <dump> <pass>
proc                    /proc          proc            defaults           0      0
/dev/mapper/serv1-serv1_debian /              ext3            errors=remount-ro 0      1
/dev/sda1               /boot          ext2            defaults           0      2
/dev/hdb                /media/cdrom0  udf,iso9660     user,noauto        0      0
/dev/mapper/extra-host_swap none           swap            sw
```

{backbutton}