

1-Using Virtual machine

1-Add two disks

2-Configure Volume group of the 2 disks

3-Create two logical volume

1-lv1 : 20% of total VG

2-lv2 : 80% rest of VG

2-Configure a web application on apache web on this VM

1-Document root will use the lv1

2-Apache (Access log, and error log) will use the lv2

3-Use suitable names for VG and lv

=====

```
sudo pvcreate /dev/sdb
```

```
sudo pvdisplay /dev/sdb
```

```
sudo vgcreate itivg /dev/sdb
```

```
sudo vgdisplay itivg
```

```
sudo lvcreate -L 5G -n webapp itivg
```

```
sudo lvdisplay /dev/itivg/webapp
```

```
sudo lvcreate -l 100%FREE -n log itivg
```

```
sudo mkdir /mydata
```

```
sudo mkdir /mydata/webapp
```

```
sudo mkdir /mydata/log
```

```
sudo mount /dev/itivg/log /mydata/log
```

```
sudo mount /dev/itivg/webapp /mydata/webapp
```

```
cd /mydata/log
```

```
sudo apt-get update
```

```
sudo apt-get install apache2
```

```
cd /etc/apache2/sites-available
```

```
sudo nano 000-default.conf
```

```
VirtualHost *:80>
```

```
DocumentRoot /mydata/webapp
```

```
</VirtualHost>
```

```
DocumentRoot /mydata/webapp
```

```
ERRORLOG /mydata/log/error.log
```

```
CUSTOMLOG /mydata/log/access.log
```

```
<Directory /mydata/webapp>
```

```
Require all granted
```

```
</Directory>
```



