Session-3.3

Mounting the clustered storage & Create Virtual Machine

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= Mounting the clustered storage.

```
cp -r /usr/share/doc/lizardfs-client/examples/* /etc/lizardfs/

vim mfsmount.cfg
```

Uncomment the following line
/mnt/lizardfs

```
mkdir /mnt/lizardfs
chown -R lizardfs:lizardfs /mnt/lizardfs
mfsmount
df -h                       ; to see its mounted or not
```

Now set the default replication factor to 2, so that anything kept in the clustered storage it has two copies of those to survive the failure of any clustered node/disks.

```
lizardfs setgoal 2 /mnt/lizardfs
```

= Making the script to start LizardFS service start automatically after reboot

Make the file **/etc/network/if-up.d/lizardfs-up.sh** and add the following lines,

```
vim /etc/network/if-up.d/lizardfs-up.sh
#!/bin/bash
/etc/init.d/lizardfs-chunkserver restart
sleep 5
mfsmount
```

Save-and-Exit

```
chmod +x /etc/network/if-up.d/lizardfs-up.sh
echo 'post-up /etc/network/if-up.d/lizardfs-up.sh' >> /etc/network/interfaces
```

Now reboot and check after reboot that everything is working properly or not.

```
reboot
```

= LizardFS -Add Cluster Storage in Virt-Manager

```
mkdir /mnt/lizardfs/iso                ; this has to be done from only one node of a group
mkdir /mnt/lizardfs/kvm                ; this has to be done from only one node of a group

cd /mnt/lizardfs/iso/
wget -c http://192.168.108.8/iso/ubuntu-18.04-server-amd64.iso ; it is to be done from only one node of a group
```

→ Add mfs directory in virt-manager.
→ Install ubuntu-server 18.04
→ Please Use the VM name as follows;

naming-format:- **groupX-nodeY-vm1**

Example for **group1-node1-vm1**