



For massive deployment you may use internal dns-server configured by unbound.

## = Configuring Master Server (Master)

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Configure an alias IP address for master server. We will configure it as alias IP so that we can move this IP if our Master-Server fail.

```
ifconfig eth0:0 192.168.108.20 netmask 255.255.255.0 up
```

```
cd /etc/mfs
cp mfsmaster.cfg.dist mfsmaster.cfg
```

```
vim mfsmaster.cfg
```

Now uncomment the following lines | OR | Copy & Past the following lines at the end of the file.

```
PERSONALITY = master
WORKING_USER = mfs
WORKING_GROUP = mfs
SYSLOG_IDENT = mfsmaster
NICE_LEVEL = -19
EXPORTS_FILENAME = /etc/mfs/mfsexports.cfg
TOPOLOGY_FILENAME = /etc/mfs/mfstopology.cfg
CUSTOM_GOALS_FILENAME = /etc/mfs/mfsgoals.cfg
DATA_PATH = /var/lib/mfs
AUTO_RECOVERY = 1
ENDANGERED_CHUNKS_PRIORITY = 1
MASTER_HOST = mfsmaster
MASTER_PORT = 9419
```

Here, change **false** to **true**

```
vim /etc/default/lizardfs-master
```

```
LIZARDFSMASTER_ENABLE=true
```

```
cp /var/lib/mfs/metadata.mfs.empty /var/lib/mfs/metadata.mfs
cp mfsexports.cfg.dist mfsexports.cfg
cp mfstopology.cfg.dist mfstopology.cfg
cp mfsgoals.cfg.dist mfsgoals.cfg
```

Change/uncomment parameter as follows in the file **mfstopology.cfg**

```
vim mfstopology.cfg
```

```
192.168.108.0/24          1
```

Modify the file **mfsgoals.cfg**

```
vim mfsgoals.cfg
```

```
1 1 : _
2 2 : _ _
3 3 : _ _ _
4 xor2 : $xor2
5 xor3 : $xor3
```

```
/etc/init.d/lizardfs-master restart
/etc/init.d/lizardfs-cgiserv restart
```

```
systemctl status lizardfs-master.service
```

Browse <http://192.168.108.20:9425/>

= Adding/Making the script to start the LizarFS service autostart at boot/reboot time.

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```
vim /etc/network/if-up.d/rcinit.sh
```

```
#!/bin/bash
/etc/init.d/lizardfs-master restart
sleep 3
/etc/init.d/lizardfs-cgiserv restart
```

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

Now reboot.

```
reboot
```

After reboot, Login into console and run the following command

```
sudo su
ifconfig eth0:0 192.168.108.20/24 up
```

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\*Every-time you reboot master-server you have to run this command.

\*If you want to make it permanent you can configure this IP in **/etc/network/interfaces**

Now check from <http://192.168.108.20:9425>