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# How To Set Up A Load-Balanced MySQL Cluster - Page 7

Submitted by falko on Mon, 2006-03-27 12:18. ::

## 6.4 Create A Database Called ldirector

Next we create the *ldirector* database on our MySQL cluster nodes *sql1.example.com* and *sql2.example.com*. This database will be used by our load balancers to check the availability of the MySQL cluster nodes.

[sql1.example.com:](#)

```
mysql -u root -p
GRANT ALL ON ldirectordb.* TO 'ldirector'@'%' IDENTIFIED BY 'ldirectorpassword';
FLUSH PRIVILEGES;
CREATE DATABASE ldirectordb;
USE ldirectordb;
CREATE TABLE connectioncheck (i INT) ENGINE=NDBCLUSTER;
INSERT INTO connectioncheck () VALUES (1);
quit;
```

[sql2.example.com:](#)

```
mysql -u root -p
GRANT ALL ON ldirectordb.* TO 'ldirector'@'%' IDENTIFIED BY 'ldirectorpassword';
FLUSH PRIVILEGES;
```

```
CREATE DATABASE ldirectordb;
quit;
```

## 6.5 Prepare The MySQL Cluster Nodes For Load Balancing

Finally we must configure our MySQL cluster nodes `sql1.example.com` and `sql2.example.com` to accept requests on the virtual IP address `192.168.0.105`.

[sql1.example.com / sql2.example.com:](#)

```
apt-get install iproute
```

Add the following to `/etc/sysctl.conf`:

[sql1.example.com / sql2.example.com:](#)

```
vi /etc/sysctl.conf
```

```
# Enable configuration of arp_ignore option
net.ipv4.conf.all.arp_ignore = 1

# When an arp request is received on eth0, only respond
# configured on eth0. In particular, do not respond i
# configured on lo
net.ipv4.conf.eth0.arp_ignore = 1

# Ditto for eth1, add for all ARPing interfaces
#net.ipv4.conf.eth1.arp_ignore = 1

# Enable configuration of arp_announce option
net.ipv4.conf.all.arp_announce = 2
```

```
sysctl -p
```

Add this section for the virtual IP address to `/etc/network/interfaces`:

[sql1.example.com / sql2.example.com:](#)

```
vi /etc/network/interfaces
```

```
auto lo:0
iface lo:0 inet static
    address 192.168.0.105
    netmask 255.255.255.255
    pre-up sysctl -p > /dev/null
```

```
ifup lo:0
```

---

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