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How To Set Up A Load-Balanced MySQL Cluster - Page 2

Submitted by falko on Mon, 2006-03-27 11:07. ::

3 Set Up The MySQL Cluster Nodes (Storage Nodes)

Now we install `mysql-max-5.0.19` on both `sql1.example.com` and `sql2.example.com`:

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

```
groupadd mysql
useradd -g mysql mysql
cd /usr/local/
wget http://dev.mysql.com/get/Downloads/MySQL-5.0/mysql-max-5.0.19-linux-i686-  
glibc23.tar.gz/from/http://www.mirrorservice.org/sites/ftp.mysql.com/  
tar xvfz mysql-max-5.0.19-linux-i686-glibc23.tar.gz
ln -s mysql-max-5.0.19-linux-i686-glibc23 mysql
```

```
cd mysql
scripts/mysql_install_db --user=mysql
chown -R root:mysql .
chown -R mysql data
cp support-files/mysql.server /etc/init.d/
chmod 755 /etc/init.d/mysql.server
update-rc.d mysql.server defaults
cd /usr/local/mysql/bin
mv * /usr/bin
cd ../
rm -fr /usr/local/mysql/bin
ln -s /usr/bin /usr/local/mysql/bin
```

Then we create the MySQL configuration file `/etc/my.cnf` on both nodes:

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

```
vi /etc/my.cnf
```

```
[mysqld]
ndbcluster
# IP address of the cluster management node
ndb-connectstring=192.168.0.103

[mysql_cluster]
# IP address of the cluster management node
ndb-connectstring=192.168.0.103
```

Make sure you fill in the correct IP address of the MySQL cluster management server.

Next we create the data directories and start the MySQL server on both cluster nodes:

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

```
mkdir /var/lib/mysql-cluster
cd /var/lib/mysql-cluster
ndbd --initial
/etc/init.d/mysql.server start
```

(Please note: we have to run `ndbd --initial` only when the start MySQL for the first time, and if `/var/lib/mysql-cluster/config.ini` on `loadbl1.example.com` changes.)

Now is a good time to set a password for the MySQL root user:

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

```
mysqladmin -u root password yourrootsqlpassword
```

We want to start the cluster nodes at boot time, so we create an `ndbd` init script and the appropriate system startup links:





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

```
echo 'ndbd' > /etc/init.d/ndbd
chmod 755 /etc/init.d/ndbd
update-rc.d nbd defaults
```

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