

Replicating MySQL Master/Slave

The need arose because the DNS server was to be configured, and the primary DNS server was Exain's - ns1.technotablet.com - (111.118.188.11) hosted with Go4Hosting and the secondary one was TechnoTablet's - ns2.technotablet.com - (174.143.243.36) hosted with Rackspace Cloud. The master would be updated and the slave should pickup the changes instantly.

Eventually we'll use it for Tutorpur replication so that we have a remote availability of data (and can strategically use it for generating reports etc. rather than using the primary server).

Master Server

1. Comment out `bind-address` in `/etc/mysql/my.cnf`
2. In `/etc/mysql/my.cnf` only, enter the log file location as well as the database which has to be replicated.

```
server-id          = 1
log_bin            = /var/log/mysql/mysql-bin.log
expire_logs_days   = 2
max_binlog_size     = 100M
binlog_do_db        = mydns
#binlog_do_db       = anotherdb
```

3. Restart MySQL.
4. Create a user for the slave server

```
GRANT REPLICATION SLAVE ON *.* TO slave01@174.143.243.36
IDENTIFIED BY 'slave9975';
FLUSH PRIVILEGES;
```

5. Lock tables now and note down the values of the `show master status` result.

```
USE mydns;
FLUSH TABLES WITH READ LOCK;
SHOW MASTER STATUS;
```

6. Take dump of the database and transfer it to the slave server.

```
mysqldump mydns -p > mydns.sql
```

7. Now unlock tables through

```
UNLOCK TABLES;
quit;
```

Slave Server

1. Create database in MySQL & grant privileges if you need to use that database

```
create database mydns;  
grant all on mydns.* to mydns@localhost identified by  
'mydns9333';
```

2. In /etc/mysql/my.cnf do the following

```
server-id      = 2  
master-host=111.118.188.11  
master-user=slave01  
master-password=slave9975  
master-connect-retry=60  
replicate_do_db=mydns
```

3. Restart MySQL. Now start a mysql console and do the following

```
SLAVE STOP;  
  
CHANGE MASTER TO MASTER_HOST='111.118.188.11',  
MASTER_USER='slave01', MASTER_PASSWORD='slave9975',  
MASTER_LOG_FILE='mysql-bin.000001', MASTER_LOG_POS=106;  
  
SLAVE START;
```

4. That's all. Replication is done!!

Servers/MySQLReplication (last edited 2010-08-20 11:45:36 by VivekKapoor)