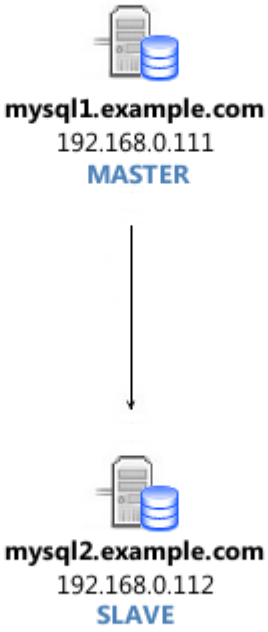
Instalacija i konfiguracija MySQL Master/Slave replikacije na RedHat Enterprise Linux Server 6.3



1. Instalacija RHEL 6.3 na serverima

- Podešavanje servera

2. Instalacija MySQL servera

- Instalacija MySQL-a
- Podešavanje MySQL-a
- Dodavanje servisa u startup
- Kreiranje **testdb** baze
- Unos podataka u **testdb** bazu

3. Podešavanje MySQL replikacije

- Podešavanje **/etc/my.cnf** fajla
- Restart MySQL servisa
- Dodavanje korisnika za replikaciju
- Zaključavanje tabela i provera statusa
- Unos novih podataka nakon otključavanja
- Kreiranje backup baze na Master serveru
- Otključavanje tabela i omogućavanje upisa
- Podešavanje **/etc/my.cnf** fajla
- Restart MySQL servisa
- Import baze na Slave serveru
- Aktiviranje replikacije

4. Testiranje Master/Slave replikacije

- Unos novih podataka u **testdb** bazu
- Provera da li su podaci replicirani na Slave server
- Provera statusa Slave servera

5. Pitanja, predlozi, ispravke?

1. Instalacija RHEL 6.3 na serverima

Ugasite SELinux (mysql1, mysql2)

sed -i 's/SELINUX=enforcing/SELINUX=disabled/g' /etc/selinux/config

Podesite /etc/hosts fajl (mysql1, mysql2)

echo "192.168.0.111 mysql1.example.com" >> /etc/hosts
echo "192.168.0.112 mysql2.example.com" >> /etc/hosts

Ugasite firewall servise (mysql1, mysql2)

chkconfig iptables off
chkconfig ip6tables off

Nakon toga restartujte servere (mysql1, mysql2)

reboot

2. Instalacija MySQL servera

Instalacija MySQL-a (mysql1, mysql2)

yum install mysql-server mysql

Podešavanje MySQL-a (mysql1, mysql2)

service mysqld start
/usr/bin/mysql_secure_installation

Dodavanje servisa u startup (mysql1, mysql2)

chkconfig mysqld on

Kreiranje **testdb** baze (mysql1)

mysqladmin -u root -p create testdb
mysql -u root -p testdb

```
CREATE TABLE `linux`(
`id` INTEGER AUTO_INCREMENT NOT NULL PRIMARY KEY,
`time` DATETIME NOT NULL,
`distro` VARCHAR(255) DEFAULT NULL
)ENGINE=InnoDB;
```

Unos podataka u **testdb** bazu

```
INSERT INTO linux (time, distro) VALUES (NOW(), 'RedHat');
INSERT INTO linux (time, distro) VALUES (NOW(), 'Slackware');
SELECT * FROM linux;
```

3. Podešavanje MySQL replikacije

Podešavanje **/etc/my.cnf** fajla (mysql1)

server-id=1
log-bin=mysql-bin
sync_binlog=1
innodb_flush_log_at_trx_commit=1

Nakon izmene **/etc/my.cnf** fajla restartujte MySQL (mysql1)

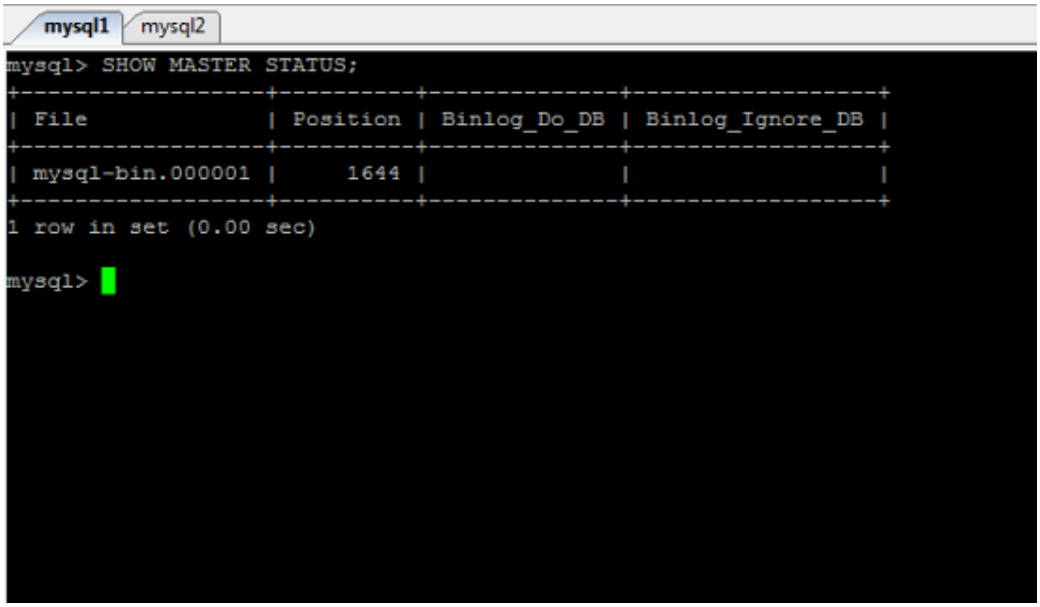
service mysqld restart

Dodavanje korisnika za replikaciju (mysql1)

mysql -u root -p
GRANT REPLICATION SLAVE ON *.* TO 'replica'@'%' IDENTIFIED BY '123$';
FLUSH PRIVILEGES;

Zaključavanje tabela i provera statusa (mysql1)

USE testdb;
FLUSH TABLES WITH READ LOCK;
SHOW MASTER STATUS;



Kreiranje backup baze na Master serveru (mysql1)

mysqldump -u root -p testdb > testdb.sql
scp testdb.sql mysql2.example.com:/root

Otključavanje tabela i omogućavanje upisa (mysql1)

mysql -u root -p testdb

UNLOCK TABLES;

Unos novih podataka nakon otključavanja (mysql1)

INSERT INTO linux (time, distro) VALUES (NOW(), 'Fedora');
INSERT INTO linux (time, distro) VALUES (NOW(), 'Ubuntu');
SELECT * FROM linux;

Podešavanje **/etc/my.cnf** fajla (mysql2)

server-id=2
read_only=1

Nakon izmene **/etc/my.cnf** fajla restartujte MySQL (mysql2)

service mysqld restart

Import baze na Slave serveru (mysql2)

mysqladmin -u root -p create testdb
mysql -u root -p testdb < testdb.sql

Aktiviranje replikacije (mysql2)

mysql -u root -p testdb

SELECT * FROM linux;
SLAVE STOP;
CHANGE MASTER TO MASTER_HOST='192.168.0.111', MASTER_USER='replica',
MASTER_PASSWORD='123$', MASTER_LOG_FILE='mysql-bin.xxx',
MASTER_LOG_POS=xxx;
START SLAVE;
SELECT * FROM linux;

4. Testiranje Master/Slave replikacije

Unos novih podataka u **testdb** bazu (mysql1)

mysql -u root -p testdb

INSERT INTO linux (time, distro) VALUES (NOW(), 'Mandriva');

INSERT INTO linux (time, distro) VALUES (NOW(), 'Debian');

Provera da li su podaci replicirani na Slave server (mysql2)

mysql -u root -p testdb

SELECT * FROM linux;

Provera statusa Slave servera (mysql2)

mysql -u root -p

SHOW SLAVE STATUS\G;

5. Pitanja, predlozi, ispravke?