



链滴

MySQL+Keepalived HA

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原文链接: <https://ld246.com/article/1549035194516>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

Env

```
DB1: 192.168.242.131
DB1: 192.168.242.132
VIP : 192.168.242.133    #注意关闭selinux和iptables
```

DB1

```
Vim /etc/my.cnf
log-bin=mysql-bin
server-id=251
replicate-do-db=test >>> 只复制指定 (test) 的数据库里的内容
binlog-ignore-db=mysql >>> 忽略mysql 数据库的更新操作
binlog-ignore-db=information_schema
auto-increment-increment=2 >>> 自增长每次增长2 这是为了在同步的时候ID不冲突
auto-increment-offset=1 >>> 设置自增长的起始值 (第二台机器设为2)
grant replication slave on *.* to 'xfell' @'%' identified by '123' ;
flush privileges;
重启服务
```

DB2

```
Vim /etc/my.cnf
log-bin=mysql-bin
server-id=132
replicate-do-db=test >>> 只复制指定 (test) 的数据库里的内容
binlog-ignore-db=mysql >>> 忽略mysql 数据库的更新操作
binlog-ignore-db=information_schema
auto-increment-increment=2 >>> 自增长每次增长2 这是为了在同步的时候ID不冲突
auto-increment-offset=2 >>> 设置自增长的起始值 (第二台机器设为2)
grant replication slave on *.* to 'xfell' @'%' identified by '123' ; >>> 授权用户仅同步
flush privileges;
重启服务
```

DB1 and DB2

```
start slave;
Show slave status\G; >>> 查看slave开启状态
Slave_IO_Running: Yes Slave_SQL_Running: Yes 这2项都是yes表示开启成功
同步表内容在这里不过多演示 插入内容即可。
```

Install Keepalived

```
yum -y install openssl openssl-devel kernel-devel popt-devel gcc gcc-c++
wget http://www.keepalived.org/software/keepalived-1.2.0.tar.gz
tar xzf keepalived-1.1.20.tar.gz
cd keepalived-1.1.20
./configure --prefix=/usr/local/keepalived --with-kernel-dir=/usr/src/kernels/2.6.32-431.el6.x
6_64
make && make install
```

Copy Setting Configfile

```
cp /usr/local/keepalived/etc/rc.d/init.d/keepalived /etc/init.d/  
cp /usr/local/keepalived/etc/sysconfig/keepalived /etc/sysconfig/  
mkdir /etc/keepalived/  
cp /usr/local/keepalived/etc/keepalived/keepalived.conf /etc/keepalived/  
cp /usr/local/keepalived/sbin/keepalived /usr/sbin/
```

DB1 Configfile

! Configuration File for keepalived

```
global_defs {  
    router_id MYSQL_HA#标识, 双主相同  
}  
vrrp_script check_run{  
    script '/usr/local/mysql/mysql_check.sh'  
    interval 300  
}  
vrrp_instance VI_1 {  
    state BACKUP#两台都设置BACKUP  
    interface eth0  
    virtual_router_id 51#主备相同  
    priority 100#优先级, backup设置90(最关键点之一, 同为backup时优先级别越高, 就会主动去  
VIP, 所以如果不想让这种情况出现加参数nopreempt)  
    advert_int 1#主备心跳检查间隔  
    nopreempt #不主动抢占资源, 只在master这台优先级高的设置, backup不设置(当master恢复  
, 不会把VIP抢过来)  
    authentication {  
        auth_type PASS  
        auth_pass 1111  
    }  
    virtual_ipaddress {  
        192.168.242.133 #VIP  
    }  
}  
  
virtual_server 192.168.242.133 3306 {  
    delay_loop 2  
    #lb_algo rr#LVS算法, 用不到, 我们就关闭了  
    #lb_kind NAT  
    #nat_mask 255.255.255.0  
    persistence_timeout 50#同一IP的连接60秒内被分配到同一台真实服务器  
    protocol TCP  
  
    real_server 192.168.242.131 3306 { #检测本地mysql, backup也要写检测本地mysql  
        weight 3  
        notify_down /usr/local/keepalived/mysql.sh #当mysql服down时, 执行此脚本, 杀死keepalived  
实现切换  
        TCP_CHECK {  
            connect_timeout 3#连接超时  
            nb_get_retry 3#重试次数  
            delay_before_retry 3#重试间隔时间
```

```
}  
}
```

DB2 Configfile

! Configuration File for keepalived

```
global_defs {  
    notification_email {  
        acassen@firewall.loc  
        failover@firewall.loc  
        sysadmin@firewall.loc  
    }  
    notification_email_from Alexandre.Cassen@firewall.loc  
    smtp_server 192.168.200.1  
    smtp_connect_timeout 30  
    router_id MYSQL_HA  
    #router_id LVS_DEVEL  
}
```

```
vrrp_instance VI_1 {  
    state BACKUP  
    interface eth0  
    virtual_router_id 51  
    priority 90  
    advert_int 1  
    authentication {  
        auth_type PASS  
        auth_pass 1111  
    }  
    virtual_ipaddress {  
        192.168.242.133  
    }  
}
```

```
virtual_server 192.168.242.133 3306 {  
    delay_loop 2  
    #lb_algo rr  
    #lb_kind NAT  
    #nat_mask 255.255.255.0  
    persistence_timeout 50  
    protocol TCP  
  
    real_server 192.168.242.132 3306 {  
        weight 3  
        notify_down /usr/local/keepalived/mysql.sh  
        TCP_CHECK {  
            connect_timeout 3  
            nb_get_retry 3  
            delay_before_retry 3  
        }  
    }  
}
```

Kill Process Script

```
Vim /usr/local/keepalived/mysql.sh  
#!/bin/bash  
/usr/bin/pkill keepalived
```

Grant for

```
grant all on *.* to 'admin'@'%' identified by '3306';  
flush privileges;  
/etc/init.d/keepalived start >>>开启服务
```

Test

```
mysql -uadmin -h192.168.242.133 -p
```

可以通过 ip a 查看VIP地址飘逸过程 另外mysql客户端不能和主服务器装在一起 不然飘逸时客户端会接失败。