**双主keepalived+nginx**

nginx 地址1：192.168.137.131

nginx地址2：192.168.137.133

VIP地址1：192.168.137.10

VIP地址2：192.168.137.11

安装keepalived

keepalived需要openssl-devel组件包

yum install openssl-devel yum安装openssl-devel

tar -zxvf keepalived-1.2.23.tar.gz 解压keepalived

. /configure --prefix=/usr/local/keepalived 编译安装

make

make install

整理文件

cp  /usr/local/keepalived/sbin/keepalived   /usr/sbin/

cp /usr/local/keepalived/etc/sysconfig/keepalived   /etc/sysconfig/

cp /usr/local/keepalived/etc/rc.d/init.d/keepalived   /etc/init.d/

mkdir -p /etc/keepalived

在192.168.137.131机器上创建keepalived.conf文件

[root@localhost tmp]# vi /etc/keepalived/keepalived.conf

! Configuration File for keepalived

global\_defs {

notification\_email {

}

}

vrrp\_script chk\_nginx {

script "/tmp/check\_http.sh" #检测nginx状态目录

interval 2

weight 2

}

vrrp\_instance VI\_1 {

state BACKUP #主写为MASTER

interface eno16777736 #网卡

virtual\_router\_id 11

priority 99 #主是100备99

advert\_int 1

authentication {

auth\_type PASS

auth\_pass 1111

}

track\_script {

chk\_nginx

}

virtual\_ipaddress {

192.168.137.11 dev eno16777736 label eno16777736:1 #VIP地址2

}

}

vrrp\_instance VI\_2 {

state MASTER

interface eno16777736

virtual\_router\_id 10

priority 100

advert\_int 1

authentication {

auth\_type PASS

auth\_pass 1111

}

virtual\_ipaddress {

192.168.137.10 dev eno16777736 label eno16777736:2 #VIP地址1

}

}

在192.168.137.133机器上创建keepalived.conf文件

[root@localhost sbin]# vi /etc/keepalived/keepalived.conf

! Configuration File for keepalived

global\_defs {

notification\_email {

}

}

vrrp\_script chk\_nginx {

script "/tmp/check\_http.sh"

interval 2

weight 2

}

vrrp\_instance VI\_1 {

state MASTER

interface eno16777736

virtual\_router\_id 11

priority 100

advert\_int 1

authentication {

auth\_type PASS

auth\_pass 1111

}

virtual\_ipaddress {

192.168.137.11 dev eno16777736 label eno16777736:1 # VIP地址2

}

}

vrrp\_instance VI\_2 {

state BACKUP

interface eno16777736

virtual\_router\_id 10

priority 99

advert\_int 1

authentication {

auth\_type PASS

auth\_pass 1111

}

track\_script {

chk\_nginx

}

virtual\_ipaddress {

192.168.137.10 dev eno16777736 label eno16777736:2 #VIP地址1

}

}

配置nginx状态检查 （2台机器都需要执行）

vi /tmp/check\_http.sh

#!/bin/bash

url="http://192.168.137.131/"      # 另一台机器填192.168.137.133

status=$(/usr/bin/curl -s --head "$url" | awk '/HTTP/ {print $2}')

if [ "$status" != "200" ]; then

 /etc/init.d/keepalived stop

fi

给keepalived.conf文件和check\_http.sh文件附权 （2台机器都需要执行）

chmod -R 755 /tmp/check\_http.sh

chmod -R 755 /etc/keepalived/keepalived.conf

验证：

kill 一台机器上nginx 查看IP地址是否自动切换。

负载均衡实现很简单，只需要配置DNS轮询就可以实现负载均衡功能。