一、基本安装使用方法

在机器10.10.73.53上安装Haproxy

1、下载安装文件haproxy-1.4.21.tar.gz 放到/opt/目录下

2、解压tar -xvf haproxy-1.4.21.tar.gz

cd haproxy-1.4.21

3、安装

执行 make TARGET=linux26 ARCH=x86\_64

TARGET是指定内核版本，ARCH指定CPU架构，我使用的是64bit系统

执行：make install

4、创建配置文件和启动文件

mkdir /etc/haproxy

cp examples/haproxy.cfg /etc/haproxy

cp examples/haproxy.init /etc/init.d/haproxy

chmod +x /etc/init.d/haproxy

ln -s /usr/local/sbin/haproxy /usr/sbin/

mkdir /usr/share/haproxy

5、配置配置文件

以下三台机器端口，均启动三个测试的nodeJs Server

10.10.73.53:3000

10.10.73.54:3000

10.10.73.58:3000

10.10.72.13:80是另一个测试的Server

global

log 127.0.0.1 local0

log 127.0.0.1 local1 notice

#log loghost local0 info

maxconn 4096

chroot /usr/share/haproxy

uid 99

gid 99

daemon

#debug

#quiet

defaults

log global

mode http

option httplog

option dontlognull

retries 3

option redispatch

maxconn 2000

contimeout 5000

clitimeout 50000

srvtimeout 50000

listen status 10.10.73.53:8080

stats enable

stats uri /stats

stats auth admin:admin

stats realm (Haproxy\ statistic)

stats refresh 30s #统计页面自动刷新时间

#stats hide-version

frontend http-in

bind \*:80

acl dev hdr(host) -i dev.atm.youku.com

acl test hdr(host) -i test.atm.youku.com

use\_backend devserver if dev

use\_backend testserver if test

backend devserver

mode http

balance roundrobin

option httpchk /index.jsp

server web01 10.10.73.53:3000 check inter 2000 fall 3 weight 30

server web01 10.10.73.54:3000 check inter 2000 fall 3 weight 20

server web01 10.10.73.58:3000 check inter 2000 fall 3 weight 10

backend testserver

mode http

option httpchk /index.jsp

balance roundrobin

server test01 10.10.72.13:80 check inter 2000 fall 3

server test02 10.10.72.13:80 check inter 2000 fall 3

6、NodeJs Server代码，打印服务器Ip地址

var PORT = 3000;

var http = require('http');

var url=require('url');

var fs=require('fs');

var path=require('path');

var server = http.createServer(function (request, response) {

var pathname = url.parse(request.url).pathname;

var realPath = path.join("assets", pathname);

//console.log(realPath);

var ext = path.extname(realPath);

ext = ext ? ext.slice(1) : 'unknown';

response.writeHead(200, {

'Content-Type': "text/plain"

});

var interfaces = require('os').networkInterfaces();

var ip = null;

for(var devName in interfaces){

var iface = interfaces[devName];

for(var i=0;i<iface.length;i++){

var alias = iface[i];

if(alias.family === 'IPv4' && alias.address !== '127.0.0.1' && !alias.internal){

ip = alias.address;

break;

}

}

if(ip){

break;

}

}

response.write("welcome to world server IP is "+ip);

response.end();

});

server.listen(PORT);

console.log("Server runing at port: " + PORT + ".");

7、测试是否生效

在Win机器上分别配置host

10.10.73.53 dev.atm.youku.com

10.10.73.53 test.atm.youku.com

分别在不同的浏览器或者Win机器上访问dev.atm.youku.com

会分别显示Ip

10.10.73.53

10.10.73.54

10.10.73.58

说明Haproxy负载已经正常

8、查看监控状态的页面

<http://10.10.73.53:8080/stats>

二、配置说明

三、原理