

使用keepalived实现nginx的高可用

nginx可以作为高效的负载均衡器，负责将请求调度到upstream server，但此时负载均衡器依然是单点故障。keepalived同样可以实现nginx反向代理负载均衡器的高可用。

更多详细介绍，参考：[keepalived](#)、[nginx](#)

nginx配置

```
1 upstream webserver {
2     server 192.168.1.152 weight=1 max_fails=3
      fail_timeout=60s;
3     server 192.168.1.153 weight=1 max_fails=3
      fail_timeout=60s;
4 }
```

```
1 proxy_pass http://webserver/;
```

keepalibed配置

Director1配置

```
1 vrrp_script monitor {
2     script "killall -0 nginx &> /dev/null"
3     interval 1
4     weight -10
5 }
6 vrrp_instance VI_1 {
7     state MASTER
8     interface eno16777736
9     virtual_router_id 51
10    priority 100
11    advert_int 1
12    authentication {
```

```

13         auth_type PASS
14         auth_pass 1111
15     }
16     virtual_ipaddress {
17         192.168.1.149/24 dev eno16777736 label
eno16777736:0
18     }
19     track_script {
20         monitor
21     }
22     notify_backup "/etc/keepalived/start.sh"
23 }
24 vrrp_instance VI_2 {
25     state BACKUP
26     interface eno16777736
27     virtual_router_id 52
28     priority 99
29     advert_int 1
30     authentication {
31         auth_type PASS
32         auth_pass 1112
33     }
34     virtual_ipaddress {
35         192.168.1.148/24 dev eno16777736 label
eno16777736:1
36     }
37     track_script {
38         monitor
39     }
40     notify_backup "/etc/keepalived/start.sh"
41 }

```

Director2配置

```

1 vrrp_script monitor {
2     script "killall -0 nginx &> /dev/null"
3     interval 1
4     weight -10

```

```
5 }
6 vrrp_instance VI_1 {
7     state BACKUP
8     interface eno16777736
9     virtual_router_id 51
10    priority 99
11    advert_int 1
12    authentication {
13        auth_type PASS
14        auth_pass 1111
15    }
16    virtual_ipaddress {
17        192.168.1.149/24 dev eno16777736 label
18        eno16777736:0
19    }
20    track_script {
21        monitor
22    }
23    notify_backup "/etc/keepalived/start.sh"
24 }
25 vrrp_instance VI_2 {
26     state MASTER
27     interface eno16777736
28     virtual_router_id 52
29     priority 100
30     advert_int 1
31     authentication {
32         auth_type PASS
33         auth_pass 1112
34     }
35     virtual_ipaddress {
36         192.168.1.148/24 dev eno16777736 label
37         eno16777736:1
38     }
39     track_script {
40         monitor
41     }
42     notify_backup "/etc/keepalived/start.sh"
```

