


```
ip route-static 22.22.22.22 32 2.1.1.2
```

创建链路

```
loadbalance link link1
router ip 1.1.1.2
loadbalance link link2
router ip 2.1.1.2
```

配置dns服务器池

```
loadbalance dns-server-pool dns1
loadbalance dns-server-pool dns2
```

创建dns服务器,使得dns服务器ds1属于dns服务器池dns1

使得dns服务器ds2属于dns服务器池dns2

```
loadbalance dns-server ds1
dns-server-pool dns1
ip address 1.1.1.2
link link1
```

```
loadbalance dns-server ds2
dns-server-pool dns2
ip address 2.1.1.2
link link2
```

创建基于域名的dns选路策略

访问www.baidu.com的时候, 去dns1: 1.1.1.2解析

访问www.h3c.com的时候, 去dns2: 2.1.1.2解析

```
loadbalance class 1 type dns match-any
match 1 domain-name www.baidu.com
```

```
loadbalance class 2 type dns
match 1 domain-name www.h3c.com
```

```
loadbalance action 1 type dns
dns-server-pool dns1
```

```
loadbalance action 2 type dns
dns-server-pool dns2
```

```
loadbalance policy dnstest type dns
class 1 action 1
class 2 action 2
```

创建名为dns-proxy1的UDP类型的DNS透明代理, 配置其IPv4地址为0.0.0.0, 指定DNS服务器池为ds1, 并开启DNS透明代理功能

```
loadbalance dns-proxy dns-proxy1 type udp
ip address 0.0.0.0 0
service enable
lb-policy dnstest
```

测试结果

PC访问www.baidu.com得到解析结果11.11.11.11

PC访问www.h3c.com得到解析结果22.22.22.22

<PC>ping www.baidu.com

Ping www.baidu.com (11.11.11.11): 56 data bytes, press CTRL+C to break

56 bytes from 11.11.11.11: icmp_seq=0 ttl=254 time=0.609 ms

56 bytes from 11.11.11.11: icmp_seq=1 ttl=254 time=0.622 ms

56 bytes from 11.11.11.11: icmp_seq=2 ttl=254 time=0.274 ms

56 bytes from 11.11.11.11: icmp_seq=3 ttl=254 time=0.849 ms

56 bytes from 11.11.11.11: icmp_seq=4 ttl=254 time=0.324 ms

--- Ping statistics for www.baidu.com ---

5 packet(s) transmitted, 5 packet(s) received, 0.0% packet loss

round-trip min/avg/max/std-dev = 0.274/0.536/0.849/0.212 ms

<PC>ping www.h3c.com

Ping www.h3c.com (22.22.22.22): 56 data bytes, press CTRL+C to break

56 bytes from 22.22.22.22: icmp_seq=0 ttl=254 time=0.933 ms

56 bytes from 22.22.22.22: icmp_seq=1 ttl=254 time=0.940 ms

56 bytes from 22.22.22.22: icmp_seq=2 ttl=254 time=0.646 ms

56 bytes from 22.22.22.22: icmp_seq=3 ttl=254 time=0.960 ms

56 bytes from 22.22.22.22: icmp_seq=4 ttl=254 time=0.730 ms

--- Ping statistics for www.h3c.com ---

5 packet(s) transmitted, 5 packet(s) received, 0.0% packet loss

round-trip min/avg/max/std-dev = 0.646/0.842/0.960/0.129 ms

<H3C>%Mar 20 21:06:15:398 2024 H3C PING/6/PING_STATISTICS: Ping statistics for www.h3c.com: 5 packet(s) transmitted, 5 packet(s) received, 0.0% packet loss, round-trip min/avg/max/std-dev = 0.646/0.842/0.960/0.129 ms.

<H3C>

<H3C>*Mar 20 21:06:09:823 2024 H3C LB/7/PACKET: -CContext=1; Input packet matched DNS proxy dns-proxy1: Pro=17, Src=10.0.0.1/48640, Dst=114.114.114.114/53, ID=1.

*Mar 20 21:06:09:823 2024 H3C LB/7/PACKET: -CContext=1; DNS server pool is selected according to policy: Pro=17, Src=10.0.0.1/48640, Dst=114.114.114.114/53, ID=1.

*Mar 20 21:06:09:823 2024 H3C LB/7/PACKET: -CContext=1; DNS server ds1 port 0 is selected according to predictor: Pro=17, Src=10.0.0.1/48640, Dst=114.114.114.114/53, ID=1.

*Mar 20 21:06:09:823 2024 H3C LB/7/PACKET: -CContext=1; Succeeded in processing first packet with NAT enabled: Pro=17, Src=10.0.0.1/48640, Dst=1.1.1.2/53, ID=1.

*Mar 20 21:06:09:823 2024 H3C LB/7/PACKET: -CContext=1; Succeeded in processing the packet with DNS proxy: Pro=17, Src=10.0.0.1/48640, Dst=1.1.1.2/53, ID=1.

*Mar 20 21:06:09:824 2024 H3C LB/7/PACKET: -CContext=1; Succeeded in processing reverse packet with NAT enabled: Pro=17, Src=114.114.114.114/53, Dst=10.0.0.1/48640, ID=1.

*Mar 20 21:06:09:824 2024 H3C LB/7/PACKET: -CContext=1; Input packet not match virtual server Pro=1, Src=10.0.0.1/0, Dst=11.11.11.11/0, ID=2, vpn=0.

*Mar 20 21:06:14:506 2024 H3C LB/7/PACKET: -CContext=1; Input packet matched DNS proxy dns-proxy1: Pro=17, Src=10.0.0.1/48641, Dst=114.114.114.114/53, ID=7.

*Mar 20 21:06:14:506 2024 H3C LB/7/PACKET: -CContext=1; DNS server pool is selected according to policy: Pro=17, Src=10.0.0.1/48641, Dst=114.114.114.114/53, ID=7.

*Mar 20 21:06:14:506 2024 H3C LB/7/PACKET: -CContext=1; DNS server ds2 port 0 is selected according to predictor: Pro=17, Src=10.0.0.1/48641, Dst=114.114.114.114/53, ID=7.

*Mar 20 21:06:14:506 2024 H3C LB/7/PACKET: -CContext=1; Succeeded in processing first packet with NAT enabled: Pro=17, Src=10.0.0.1/48641, Dst=2.1.1.2/53, ID=7.

*Mar 20 21:06:14:506 2024 H3C LB/7/PACKET: -CContext=1; Succeeded in processing the packet with DNS proxy: Pro=17, Src=10.0.0.1/48641, Dst=2.1.1.2/53, ID=7.

*Mar 20 21:06:14:506 2024 H3C LB/7/PACKET: -CContext=1; Succeeded in processing reverse packet with NAT enabled: Pro=17, Src=114.114.114.114/53, Dst=10.0.0.1/48641, ID=1.

*Mar 20 21:06:14:507 2024 H3C LB/7/PACKET: -CContext=1; Input packet not match virtual server Pro=1, Src=10.0.0.1/0, Dst=22.22.22.22/0, ID=8, vpn=0.

*Mar 20 21:06:19:303 2024 H3C LB/7/PACKET: -CContext=1; Input packet not match virtual server Pro=1, Src=10.0.0.1/0, Dst=22.22.22.22/0, ID=13, vpn=0.