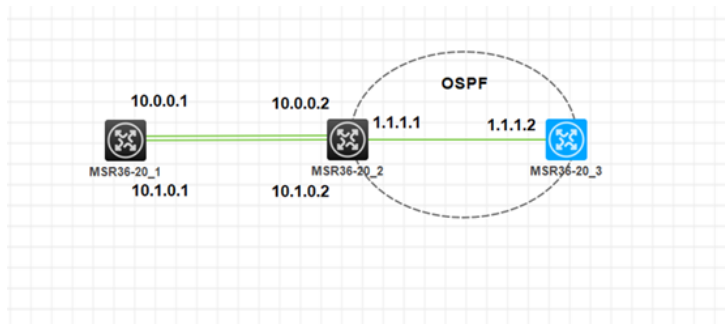


组网及说明

组网：MSR2与MSR3建立OSPF邻居，并且在MSR2上将直连路由引入到OSPF内

目的：要求MSR3只能学到10.1.0.0的路由



配置步骤

1.使用filter-policy

```
acl advanced 3000
```

```
rule 1 deny ip source 10.0.0.0 0.0.0.255
```

```
rule 5 permit ip
```

```
ospf 1
```

```
import-route direct
```

```
filter-policy 3000 export
```

```
area 0.0.0.0
```

```
network 1.1.1.0 0.0.0.255
```

2.使用路由策略+前缀列表

```
ip prefix-list test index 10 permit 10.0.0.0 24
```

```
acl advanced 3001
```

```
rule 0 permit ip
```

```
route-policy test deny node 10
```

```
if-match ip address prefix-list test
```

```
route-policy test permit node 40
```

```
if-match ip address acl 3001
```

```
ospf 1
```

```
import-route direct route-policy test
```

```
area 0.0.0.0
```

```
network 1.1.1.0 0.0.0.255
```

3.前缀列表+filter-policy

```
ip prefix-list kdf index 10 deny 10.0.0.0 24
```

```
ip prefix-list kdf index 20 permit 0.0.0.0 0 less-equal 32
```

```
ospf 1
```

```
import-route direct
```

```
filter-policy prefix-list kdf export
```

```
area 0.0.0.0
```

```
network 1.1.1.0 0.0.0.255
```

路由过滤之前MSR3的路由表同时存在10.0.0.0与10.1.1.0的ASE路由

Destination/Mask	Proto	Pre	Cost	NextHop	Interface
0.0.0.0/32	Direct	0	0	127.0.0.1	InLoop0
1.1.1.0/24	Direct	0	0	1.1.1.2	GE0/2
1.1.1.0/32	Direct	0	0	1.1.1.2	GE0/2
1.1.1.2/32	Direct	0	0	127.0.0.1	InLoop0
1.1.1.3/32	O_ASE2	150	1	1.1.1.1	GE0/2
1.1.1.255/32	Direct	0	0	1.1.1.2	GE0/2
10.0.0.0/24	O_ASE2	150	1	1.1.1.1	GE0/2
10.1.0.0/24	O_ASE2	150	1	1.1.1.1	GE0/2
127.0.0.0/8	Direct	0	0	127.0.0.1	InLoop0

```

127.0.0.0/32   Direct 0 0      127.0.0.1   InLoop0
127.0.0.1/32   Direct 0 0      127.0.0.1   InLoop0
127.255.255.255/32 Direct 0 0      127.0.0.1   InLoop0
224.0.0.0/4    Direct 0 0      0.0.0.0     NULL0
244.0.0.0/24   Direct 0 0      0.0.0.0     NULL0
255.255.255.255/32 Direct 0 0      127.0.0.1   InLoop0

```

配置关键点

个人认为router-policy还是filter-policy,建议和acl结合,简单易懂

最终效果是MSR3的路由表中只有10.1.0.0的ASE路由

Destination/Mask	Proto	Pre	Cost	NextHop	Interface
0.0.0.0/32	Direct	0	0	127.0.0.1	InLoop0
1.1.1.0/24	Direct	0	0	1.1.1.2	GE0/2
1.1.1.0/32	Direct	0	0	1.1.1.2	GE0/2
1.1.1.2/32	Direct	0	0	127.0.0.1	InLoop0
1.1.1.3/32	O_ASE2	150	1	1.1.1.1	GE0/2
1.1.1.255/32	Direct	0	0	1.1.1.2	GE0/2
10.1.0.0/24	O_ASE2	150	1	1.1.1.1	GE0/2
127.0.0.0/8	Direct	0	0	127.0.0.1	InLoop0
127.0.0.0/32	Direct	0	0	127.0.0.1	InLoop0
127.0.0.1/32	Direct	0	0	127.0.0.1	InLoop0
127.255.255.255/32	Direct	0	0	127.0.0.1	InLoop0
224.0.0.0/4	Direct	0	0	0.0.0.0	NULL0
224.0.0.0/24	Direct	0	0	0.0.0.0	NULL0
255.255.255.255/32	Direct	0	0	127.0.0.1	InLoop0

