

知 H3C V7平台开始支持接口出方向LSA过滤

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问题描述

H3C V7平台开始支持接口出方向LSA过滤

解决方法

V7平台开始支持接口出方向LSA过滤ospf database-filter。测试时特别注意：如果本端在配置database-filter前，邻居路由器已经存在要进行过滤的LSA，那么配置后过滤的LSA仍存在于邻居路由器的LSDB中，效果类似LSA过滤失败，一般可以重启ospf进程即可。

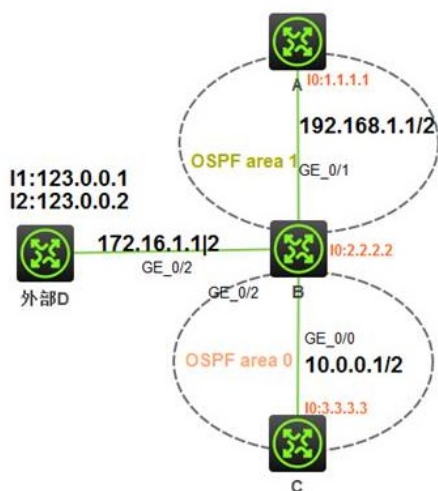
3 过滤接口出方向的LSA

通过该功能，不希望让邻居接收到的LSA可在本端接口出方向上被过滤掉，从而减小邻居LSDB的规模，并节省带宽。

表1-50 配置过滤接口出方向的LSA

操作	命令	说明
进入系统视图	system-view	-
进入接口视图	interface interface-type interface-number	-
配置过滤接口出方向的LSA	ospf database-filter { all { ase [acl ipv4-acl-number] nssa [acl ipv4-acl-number] summary [acl ipv4-acl-number] } }	缺省情况下，不对接口出方向的LSA进行过滤

实验室测试：



```
#
ip route-static 123.0.0.1 32 172.16.1.2
ip route-static 123.0.0.2 32 172.16.1.2
#
ospf 1 router-id 2.2.2.2
import-route static

area 0.0.0.1
network 192.168.1.0 0.0.0.255

area 0.0.0.0
network 2.2.2.2 0.0.0.0
network 10.0.0.0 0.0.0.255

#
interface GigabitEthernet0/0
ip address 10.0.0.1 255.255.255.0
ospf database-filter ase

<B>reset ospf 1 process
Reset OSPF process? [Y/N]:Y
```

%Oct 20 19:23:51:859 2018 H3C OSPF/5/OSPF_NBR_CHG: OSPF 1 Neighbor 10.0.0.2(Gigabit Ethernet0/0) changed from FULL to DOWN.

%Oct 20 19:23:51:860 2018 H3C OSPF/5/OSPF_NBR_CHG: OSPF 1 Neighbor 192.168.1.1(GigabitEthernet0/1) changed from FULL to DOWN.

%Oct 20 19:23:55:683 2018 H3C OSPF/5/OSPF_NBR_CHG: OSPF 1 Neighbor 192.168.1.1(GigabitEthernet0/1) changed from LOADING to FULL.

display ospf lsdb

OSPF Process 1 with Router ID 2.2.2.2

Link State Database

Area: 0.0.0.0

Type	LinkState ID	AdvRouter	Age	Len	Sequence	Metric
Router	3.3.3.3	3.3.3.3	1595	48	80000049	0
Router	2.2.2.2	2.2.2.2	1594	48	8000008C	0
Network	10.0.0.1	2.2.2.2	1589	32	80000002	0
Sum-Net	1.1.1.1	2.2.2.2	1598	28	80000005	1
Sum-Net	192.168.1.0	2.2.2.2	1598	28	80000005	1

Area: 0.0.0.1

Type	LinkState ID	AdvRouter	Age	Len	Sequence	Metric
Router	1.1.1.1	1.1.1.1	1605	48	80000009	0
Router	2.2.2.2	2.2.2.2	1598	36	80000007	0
Network	192.168.1.2	2.2.2.2	1598	32	80000006	0
Sum-Net	3.3.3.3	2.2.2.2	1594	28	80000001	1
Sum-Net	2.2.2.2	2.2.2.2	1638	28	80000005	0
Sum-Net	10.0.0.0	2.2.2.2	554	28	80000002	1

AS External Database

Type	LinkState ID	AdvRouter	Age	Len	Sequence	Metric
External	123.0.0.1	2.2.2.2	1280	36	80000005	1
External	123.0.0.2	2.2.2.2	908	36	80000005	1

<C>display ospf lsdb

OSPF Process 1 with Router ID 3.3.3.3

Link State Database

Area: 0.0.0.0

Type	LinkState ID	AdvRouter	Age	Len	Sequence	Metric
Router	3.3.3.3	3.3.3.3	229	48	8000004A	0
Router	2.2.2.2	2.2.2.2	231	48	8000008D	0
Network	10.0.0.1	2.2.2.2	223	32	80000003	0
Sum-Net	1.1.1.1	2.2.2.2	235	28	80000006	1
Sum-Net	192.168.1.0	2.2.2.2	235	28	80000006	1

//LSA-5过滤成功

<C>