

# 知 AFT IPv6 Internet访问IPv4内网服务器 不匹配V6侧的安全策略

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## 组网及说明

IPv6 Internet访问IPv4内网服务器，可参考官网配置手册的典配

#### 问题描述

AFT IPv6 Internet访问IPv4内网服务器 不匹配V6侧的安全策略，AFT会话V6侧的策略显示“无”。

## 过程分析

AFT会话:

```
<H3C>dis aft session ipv4 ver
Slot 1:
Initiator:
  Source IP/port: 172.20.50.1/2
  Destination IP/port: 172.20.50.4/2048
  DS-Lite tunnel peer: -
  VPN instance/VLAN ID/Inline ID: -/-
  Protocol: ICMP(1)
  Inbound interface: GigabitEthernet1/0/1
  Source security zone: Local
Responder:
  Source IP/port: 172.20.50.4/2
  Destination IP/port: 172.20.50.1/0
  DS-Lite tunnel peer: -
  VPN instance/VLAN ID/Inline ID: -/-
  Protocol: ICMP(1)
  Inbound interface: GigabitEthernet1/0/2
  Source security zone: ipv4
State: ICMP_REPLY
Application: ICMP
Rule ID: 0
Rule name: minxi
Start time: 2021-12-09 17:53:57 TTL: 29s
Initiator->Responder:      4 packets    240 bytes
Responder->Initiator:     4 packets    240 bytes

Total sessions found: 1
<H3C>dis aft session ipv6 ver
Slot 1:
Initiator:
  Source IP/port: 240E:xxx::1/1
  Destination IP/port: 240E:xxx::35/32768
  VPN instance/VLAN ID/Inline ID: -/-
  Protocol: IPV6-ICMP(58)
  Inbound interface: GigabitEthernet1/0/1
  Source security zone: ipv6
Responder:
  Source IP/port: 240E:xxx::35/1
  Destination IP/port: 240E:xxx::1/33024
  VPN instance/VLAN ID/Inline ID: -/-
  Protocol: IPV6-ICMP(58)
  Inbound interface: GigabitEthernet1/0/2
  Source security zone: Local
State: ICMPV6_REPLY
Application: ICMP
Rule ID: -/-
Rule name:
Start time: 2021-12-09 17:53:57 TTL: 20s
Initiator->Responder:     4 packets    320 bytes
Responder->Initiator:     4 packets    320 bytes

Total sessions found: 1
```

会话:

```

<H3C>dis session table ipv4 ver
Slot 1:
Total sessions found: 0
<H3C>dis session table ipv4 ver
安全设备在运行AFT V6到V4的时候没有设置V6的安全策略检查业务点，也就是用户无法通过V6的安全策略去限制AFT的访问，可通过如下的方式进行限制：
Source IP/port: 172.20.50.1/3
Destination IP/port: 172.20.50.4/2048
1. 在接口上配置包过滤；
VPN instance/VLAN ID/Inline ID: -/-
Protocol: ICMP(1)
2. 在策略中配置明细ACL进行限制
Inbound interface: GigabitEthernet1/0/1
#Source security zone: Local
#Source basic 2000
#Source permit IP/port: 172.20.50.1/3
#Destination IP/port: 172.20.50.1/0
#Destination basic 2000
#Destination source peer: ipv6 number 2000 address-group 1
VPN instance/VLAN ID/Inline ID: -/-
Protocol: ICMP(1)
Inbound interface: GigabitEthernet1/0/2
Source security zone: ipv4
State: ICMP_REPLY
Application: ICMP
Rule ID: 0
Rule name: minxi
Start time: 2021-12-09 17:57:24 TTL: 29s
Initiator->Responder: 2 packets 120 bytes
Responder->Initiator: 2 packets 120 bytes

Total sessions found: 1
<H3C>dis session table ipv6 ver
Slot 1:
Initiator:
Source IP/port: 240E:xxx::1/1
Destination IP/port: 240E:xxx::35/32768
VPN instance/VLAN ID/Inline ID: -/-
Protocol: IPV6-ICMP(58)
Inbound interface: GigabitEthernet1/0/1
Source security zone: ipv6
Responder:
Source IP/port: 240E:xxx::35/1
Destination IP/port: 240E:xxx::1/33024
VPN instance/VLAN ID/Inline ID: -/-
Protocol: IPV6-ICMP(58)
Inbound interface: GigabitEthernet1/0/2
Source security zone: Local
State: ICMPV6_REPLY
Application: ICMP
Rule ID: -/-
Rule name:
Start time: 2021-12-09 17:57:24 TTL: 26s
Initiator->Responder: 4 packets 320 bytes
Responder->Initiator: 4 packets 320 bytes

Total sessions found: 1

```

