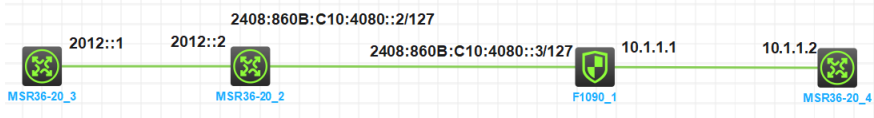


# 知 防火墙IPv6访问IPV4场景针对特定端口映射配置

AFT 彭钦 2022-07-05 发表

## 组网及说明



外网口: 2408:860B:C10:4080::3/127

## 配置步骤

- (1) 安全策略及路由配置略;
- (2) 相关配置

```
interface GigabitEthernet1/0/2
port link-mode route
combo enable copper
aft enable
ipv6 address 2408:860B:C10:4080::3/127
#
interface GigabitEthernet1/0/3
port link-mode route
combo enable copper
ip address 10.1.1.1 255.255.255.0
aft enable

acl ipv6 advanced 3000
rule 0 permit ipv6

aft address-group 0
address 20.1.1.1 20.1.1.2

aft v6tov4 source acl ipv6 number 3000 address-group 0
aft v4server protocol tcp 2408:860B:C10:4080::3 22 10.1.1.2 22
```

(3) 验证

```
<H3C>ssh ipv6 2408:860B:C10:4080::3 22
Username: peng
Press CTRL+C to abort.
Connecting to 2408:860B:C10:4080::3 port 22.
peng@2408:860b:c10:4080::3's password:
Enter a character ~ and a dot to abort.

*****
* Copyright (c) 2004-2021 New H3C Technologies Co., Ltd. All rights reserved.*
* Without the owner's prior written consent,
* no decompiling or reverse-engineering shall be allowed.
*****

<neibu>
```

debug:

```
<H3C>*Jul  5 11:00:58:869 2022 H3C AFT/7/COMMON: -Context=1;
PACKET: (GigabitEthernet1/0/2) Protocol: TCP
2012::1/32388 - 2408:860b:c10:4080::3/22 (VPN:0) ----->
20.1.1.1/1025 - 10.1.1.2/22 (VPN:0)
*Jul  5 11:00:58:870 2022 H3C AFT/7/COMMON: -Context=1;
PACKET: (GigabitEthernet1/0/3) Protocol: TCP
10.1.1.2/22 - 20.1.1.1/1025 (VPN:0) ----->
2408:860b:c10:4080::3/22 - 2012::1/32388 (VPN:0)
```

会话:

```
<H3C>display session table ipv6 verbose
Slot 1:
Initiator:
  Source      IP/port: 2012::1/32388
  Destination IP/port: 2408:860B:C10:4080::3/22
  VPN instance/VLAN ID/Inline ID: -/-/
  Protocol: TCP(6)
  Inbound interface: GigabitEthernet1/0/2
  Source security zone: Untrust
Responder:
  Source      IP/port: 2408:860B:C10:4080::3/22
  Destination IP/port: 2012::1/32388
  VPN instance/VLAN ID/Inline ID: -/-/
  Protocol: TCP(6)
  Inbound interface: GigabitEthernet1/0/3
  Source security zone: Local
State: TCP_ESTABLISHED
Application: SSH
Rule ID: -/-/
Rule name:
Start time: 2022-07-05 11:00:58  TTL: 1166s
Initiator->Responder:          0 packets      0 bytes
Responder->Initiator:         0 packets      0 bytes
Total sessions found: 1
```

```
<H3C>display session table ipv4 verbose
Slot 1:
Initiator:
  Source      IP/port: 20.1.1.1/1025
  Destination IP/port: 10.1.1.2/22
  DS-Lite tunnel peer: -
  VPN instance/VLAN ID/Inline ID: -/-/
  Protocol: TCP(6)
  Inbound interface: GigabitEthernet1/0/2
  Source security zone: Local
Responder:
  Source      IP/port: 10.1.1.2/22
  Destination IP/port: 20.1.1.1/1025
  DS-Lite tunnel peer: -
  VPN instance/VLAN ID/Inline ID: -/-/
  Protocol: TCP(6)
  Inbound interface: GigabitEthernet1/0/3
  Source security zone: Trust
State: TCP_ESTABLISHED
Application: SSH
Rule ID: 0
Rule name: any
Start time: 2022-07-05 11:00:58  TTL: 1175s
Initiator->Responder:          0 packets      0 bytes
Responder->Initiator:         0 packets      0 bytes
```

