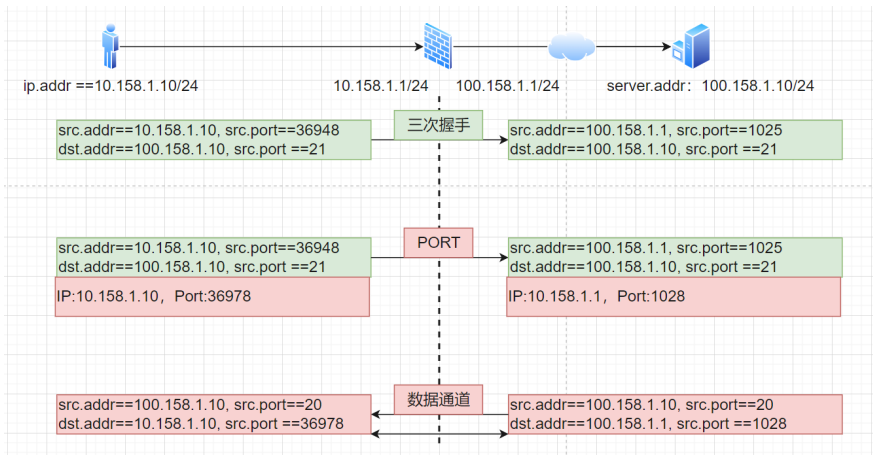


知 防火墙在FTP_PORT模式下的ALG处理

会话 ALG 孔凡安 2024-01-12 发表

组网及说明



配置步骤

FW主要配置如下，RAGG2.10为外网接口，RAGG1.10为内网接口。

```
#
interface Route-Aggregation2.10
 ip address 100.158.1.1 255.255.255.0
 nat outbound          ---出口NAT配置
 vlan-type dot1q vid 10
#
interface Route-Aggregation1.10
 ip address 10.158.1.1 255.255.255.0
 vlan-type dot1q vid 10
#
```

原理解析:

PORT报文在经过FW时进行ALG处理，防火墙 ALG模块对地址进行转换。

*Jan 12 09:39:09:487 2024 F5080D_1 SESSION/7/ALG: -Chassis=1-Slot=2;

Tuple5(EVENT): 10.158.1.10/36948-->100.158.1.10/21(TCP(6))

Received packet, ALG Type: FTP_PORT.

*Jan 12 09:39:09:487 2024 F5080D_1 NAT/7/ALG: -Chassis=1-Slot=2;

PACKET: (Route-Aggregation2.10) ALG payload was translated according to configuration:

10.158.1.10/36978(VPN: 0) --> 100.158.1.1/1028(VPN: 0) ---客户端私网地址+端口被

转换为公网地址+端口

*Jan 12 09:39:09:487 2024 F5080D_1 SESSION/7/RELATION: -Chassis=1-Slot=2;

Tuple(EVENT): 100.158.1.10/0 -->100.158.1.1/1028(TCP(6))

Relation entry was created for module calling ---防火墙建立关联表

*Jan 12 09:39:09:487 2024 F5080D_1 SESSION/7/RELATION: -Chassis=1-Slot=2;

Tuple(EVENT): 100.158.1.10/0 -->100.158.1.1/1028(TCP(6))

Relation entry was backedup for fill info

*Jan 12 09:39:09:523 2024 F5080D_1 SESSION/7/RELATION: -Chassis=1-Slot=2;

Tuple(EVENT): 100.158.1.10/0 -->100.158.1.1/1028(TCP(6))

Relation entry was backedup for delete

*Jan 12 09:39:09:523 2024 F5080D_1 SESSION/7/RELATION: -Chassis=1-Slot=2;

Tuple(EVENT): 100.158.1.10/0 -->100.158.1.1/1028(TCP(6))

Relation entry was deleted for time out

配置关键点

FTP_PASV模式下ALG处理见链接: [防火墙在FTP_PASV模式下的ALG处理](#)

