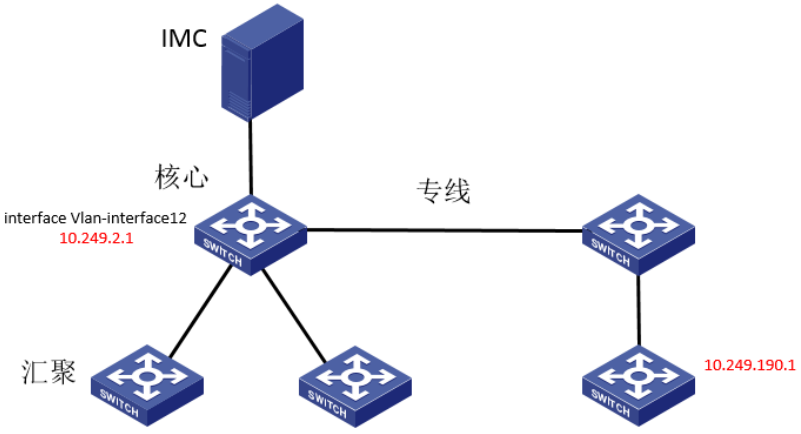
portal认证+包过滤，未认证时仍能访问业务地址

Portal packet-filter 郭尧 2021-07-29 发表

组网及说明

基本组网



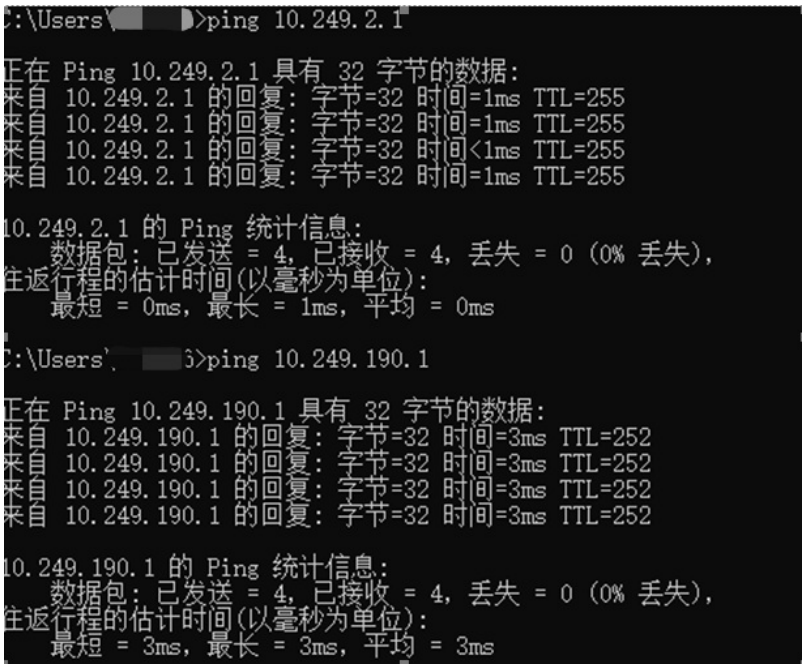
问题描述

故障描述：终端设备在未通过iMC认证前所有网络都不通，认证通过后专线对端的内网通，后将用户强制下线后，理论上应该是所有网络都不通，但是实际上是终端ping不通网关10.249.2.1，10.249.190.1等业务内网地址可以ping通

过程分析

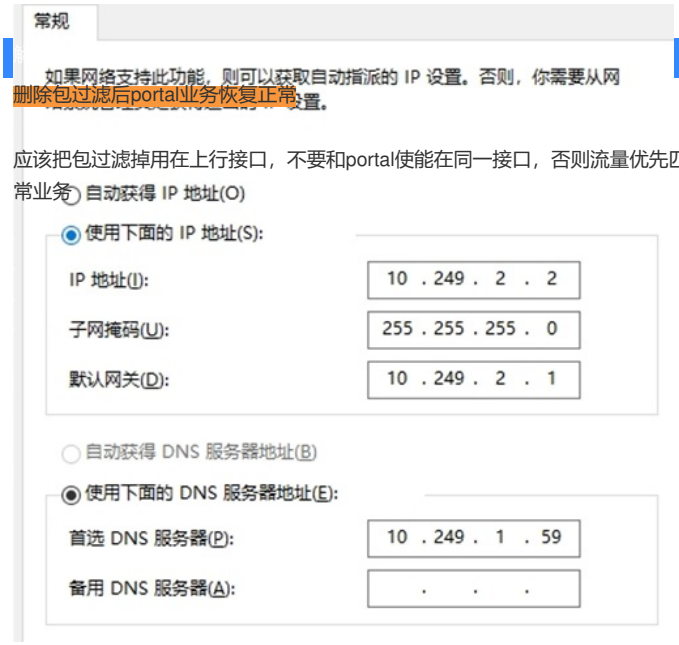
测试故障现象

认证通过时：



未进行认证时：

终端网卡配置：



删除包过滤后portal业务恢复正常。

应该把包过滤掉用在上行接口，不要和portal使能在同一接口，否则流量优先匹配包过滤影响portal正常业务

终端接汇聚下，网关在核心，在网关接口起二层portal认证，正常情况下，portal认证通过后，网关和对端业务地址才能访问，此时现象是正常的，但是当终端在未进行认证时，网关无法ping通，对端的业务地址却能够ping通，到对端业务地址是跨三层走网关转发的，网关不同如何能够进行转发报文呢？

检查交换机侧配置：

```
interface Vlan-interface12
 description IT
 ip address 10.249.2.1 255.255.255.0
 packet-filter 3000 inbound
 dhcp select relay
 dhcp relay server-address 10.249.1.47
 portal enable method direct
 portal bas-ip 10.249.2.1
 portal apply web-server myportal fail-permit
#
 radius session-control enable
#
radius scheme imc
 primary authentication 10.249.125.48
 primary accounting 10.249.125.48
 key authentication cipher $c$3$bJCEm0nlHcBxUcz4b1DQjdbxX37FjQY=
 key accounting cipher $c$3$oQwuXCtskHZJgnJ87YO4RVuILWL35UQ=
 nas-ip 10.249.127.3
#
domain tportal
 authorization-attribute idle-cut 30 10240000
 authentication portal radius-scheme imc
 authorization portal radius-scheme imc
 accounting portal radius-scheme imc
#
 portal free-rule 10 source ip any destination ip 10.249.1.59 255.255.255.255
 portal free-rule 20 source mac 10e7-c62b-1e85
 portal free-rule 21 source mac 907e-ba50-e3b7
 portal free-rule 22 source mac 907e-ba50-e402
 portal free-rule 23 source mac 5803-fb96-1062
 portal free-rule 24 source mac 5803-fb96-1082
 portal free-rule 25 source mac 5803-fb96-107e
 portal free-rule 26 source mac 5803-fb96-1241
 portal free-rule 27 source mac 5803-fb96-12dc
 portal free-rule 28 source mac bcad-28dc-2557
 portal free-rule 29 source mac 00e3-4f68-0ce7
```

```
portal free-rule 30 source mac 7af6-7aa7-b968
portal free-rule 31 source mac 0017-61c7-8ca1
```