

知 Experience case of Intranet resources of the opposite end is unreachable when L2TP tunnel is established

Routers 姜霖琛 2021-04-25 Published

Network Topology

none

Problem Description

L2TP tunnel is established, the address has been obtained successfully, and the gateway can also be pinged, but the terminal can not access the intranet resources of the opposite end. Checking the routing table on the router, it is found that the routes of two terminal have been added.

```
192.168.1.100/32 Direct 0 0 192.168.1.100 VA0
```

```
192.168.1.101/32 Direct 0 0 192.168.1.101 VA1
```

Process Analysis

There is no problem with the routing table, so check the configuration

```
#
```

```
interface Vlan-interface1
```

```
description con to user
```

```
ip address 192.168.1.1 255.255.255.0
```

```
#
```

```
interface GigabitEthernet0/1
```

```
port link-mode route
```

```
description con to CN2
```

```
ip address 10.230.x.242 255.255.255.252
```

```
nat outbound 3000
```

Solution

#

```
interface Virtual-Template1
 ppp authentication-mode pap chap domain xxx.js
 remote address pool 1
 ip address unnumbered interface Vlan-interface1
```

At first glance, there is nothing wrong with the configuration, but after careful inspection, it is found that the address of the VT template inherits vlan-int 1, that is, the address of the VT and the intranet are in the same subnet. In this case, in order to respond to ARP packet correctly, you need to open the ARP proxy: `proxy-arp enable` in the intranet port. After modifying the configuration, problem solved.

