HONGDIAN

Application Guide

Hngdian- PPTP/L2TP- Cisco

Contents

Revision History

Updates between document versions are cumulative. Therefore, the latest document version contains all updates made to previous versions.
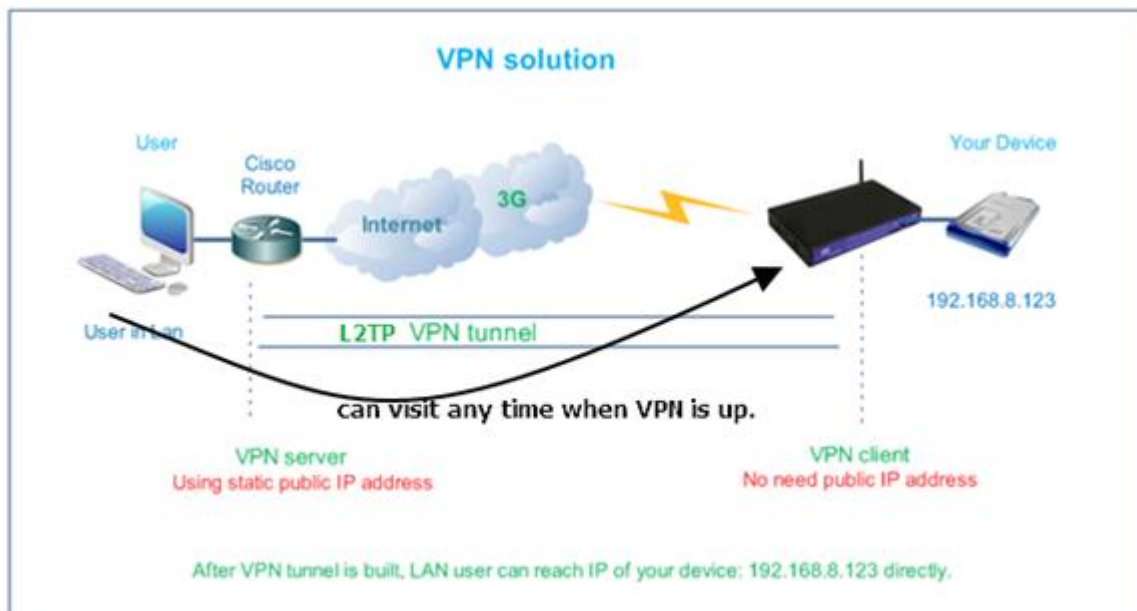
Doc Version	Product	Release Data	Details
V1.0	Hongdian Router	2017.08.18	First Release

1 Overview

Hongdian Router supports PPTP/L2TP function and acts as the VPN client. Here is the example to build up the PPTP or L2TP VPN with Cisco Gateway.

2 Description

2.1 Topology Graphic

2.2 PPTP/L2TP configuration on cisco

Access global configuration mode and setup configuration as below to build up a PPTP/L2TP server on cisco:

```
(sample is PPTP)
vpdn enable
vpdn-group  PPTP test
   accept-dialin
       protocol  PPTP
       virtual-template 1
   PPTP tunnel echo 120
```

```
username test password test

interface Virtual-Template1
    ip unnumbered  FastEthernet0/1
    peer default ip address pool  vpn_pool
    ppp authentication chap pap ms-chap ms-chap-v2


ip local pool vpn_pool 192.168.200.2 192.168.200.254
```

2.3 Configuration on Hongdian Router

As show below, it is the configuration on our 3G router for PPTP/L2TP connection. It is very simple.

And in order to let the VPN work for your system, we need to define IP address of the VPN connection on the 3G router. Please click the "Display" button to show "Advance setting" of PPTP/L2TP VPN. And find the "Local IP" setting. There we can make the IP of the PPTP/L2TP connection be static. Please be aware if we don't set the IP there. 3G router also can get IP address from PPTP/L2TP server, but it will be dynamic which is set as address pool on the PPTP/L2TP server side. This address is completely free.

For example, if we defined the address pool to be 192.168.200.2 192.168.200.254, then we can use any address between them.

More

Debug	● Enable ○ Disable
Peer's DNS	● Enable ○ Disable
LCP Interval	30 1-512 s
LCP Retry	5 1-512 times
MTU	128-16384 B
MRU	128-16384 B
Local IP	192.168.200.12 eg. 192.168.8.1
Remote IP	eg. 192.168.8.254

Professional

After VPN connection is built up successfully, we can reach the IP address of M2M router from center directly by IP 192.168.200.12 . So it means the network is completely satisfying the system requirement.

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