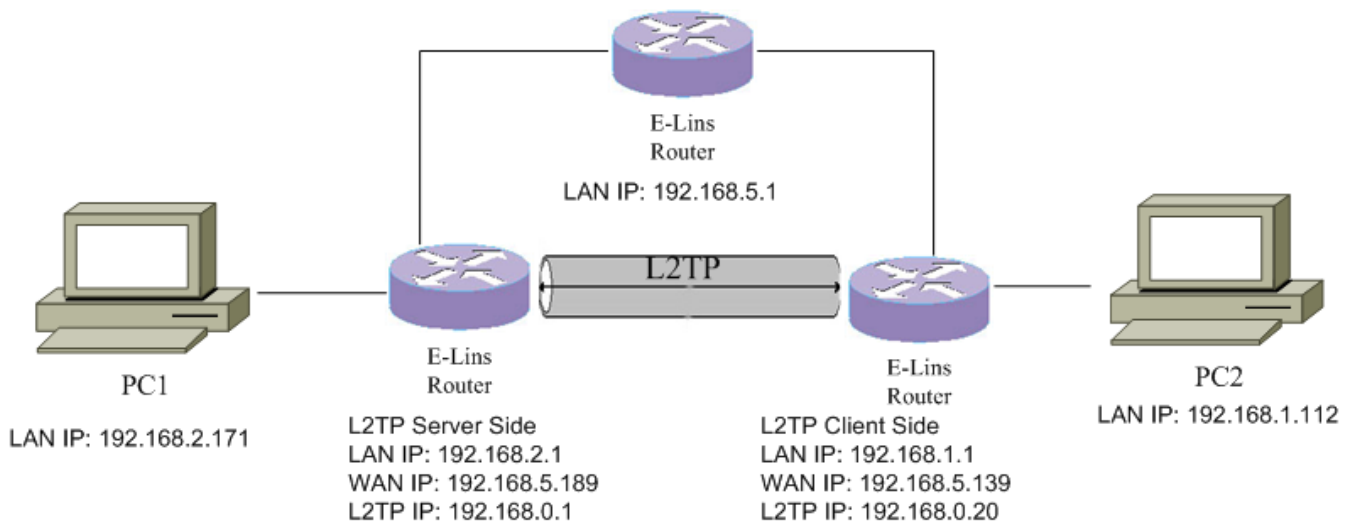


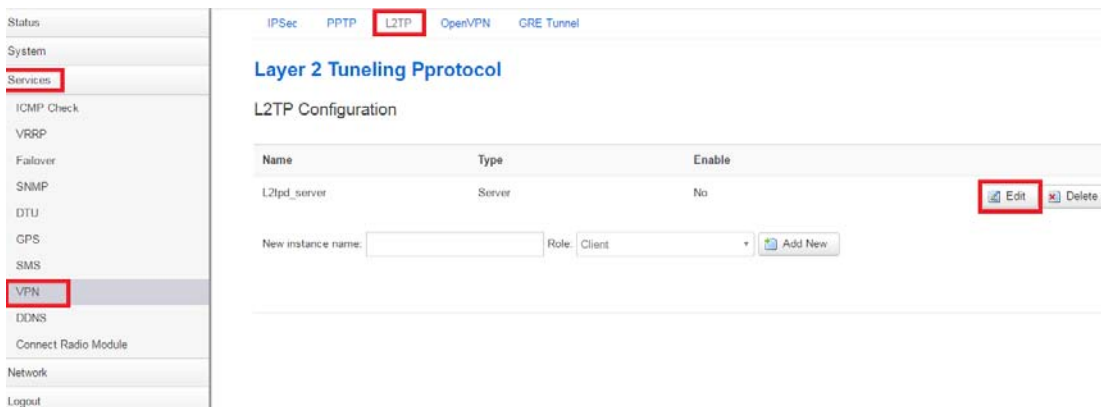
VPN Setting Example - L2TP

L2TP Topology



L2TP Server configuration

1. Open web management page, click "Services" → "VPN" at the left navigation bar, then click "L2TP" to open L2TP Configuration page.



2. If there is no L2TP server instance in the list, input new instance name, select "Server" as role, and then click button "Add New".

IPSec PPTP L2TP OpenVPN GRE Tunnel

Layer 2 Tuneling Pprotocol

L2TP Configuration

Name	Type	Enable
New instance name: <input type="text" value="l2tpsrv"/>	Role: Server <input type="button" value="Add New"/>	

- Click button "Edit" in the list to configure L2TP server.

IPSec PPTP L2TP OpenVPN GRE Tunnel

• New L2TP server instance created

Layer 2 Tuneling Pprotocol

L2TP Configuration

Name	Type	Enable
L2tpsrv	Server	No

This section contains no values yet

New instance name: Role: Client

- Checked "Enable", set remote LAN IP address, change Remote IP addresses Range as you like.

L2TP Server Instance: L2tpsrv

Main Settings

Enable

Local IP:

Remote IP range begin:


Remote IP range end:

Remote LAN IP:

Remote LAN netmask:

Username: Password:

- If more than one user name is required, click button "Add" to add a new group username/password. Click

button  behind password can show/hide password.

L2TP Server Instance: L2tpsrv

Main Settings

Enable

Local IP

Remote IP range begin

Remote IP range end

Remote LAN IP

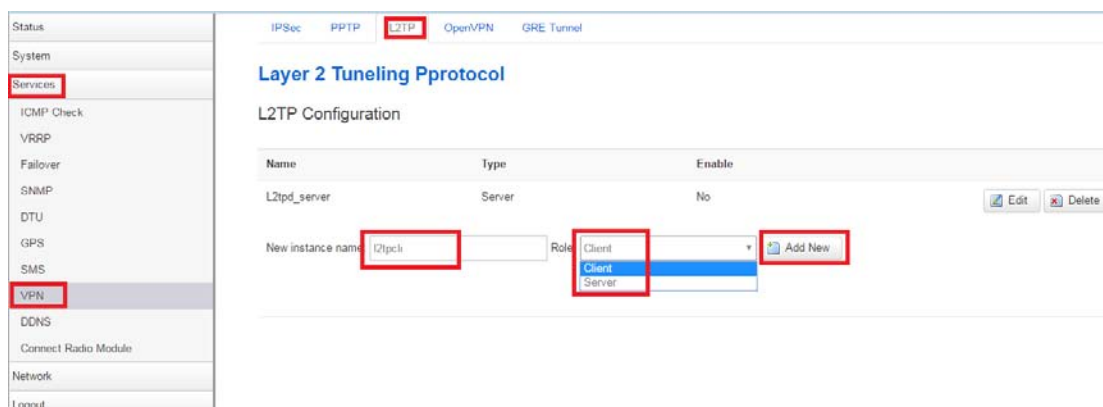
Remote LAN netmask

Username	Password	
<input type="text" value="user"/>	<input type="password" value="****"/>	<input type="button" value="Delete"/>
<input type="text" value="test"/>	<input type="password" value="test"/>	<input type="button" value="Delete"/>

6. Click button “Save & Apply” if everything is done.

L2TP Client Configuration

1. Open web management page, click “Services”->”VPN” at the left navigation bar, then click “L2TP” to open L2TP Configuration page.
2. Input new instance name, the example we input “l2tpcli”, and then select “Client” as role, finally Click Button “Add New”.



IPSec PPTP **L2TP** OpenVPN GRE Tunnel

Layer 2 Tunneling Protocol

L2TP Configuration

Name	Type	Enable
L2tpd_server	Server	No

New instance name Role

3. Click button “Edit” in the row of l2tpcli instance.

IPSec PPTP L2TP OpenVPN GRE Tunnel

• New L2TP client instance created successfully, configure it

Layer 2 Tuneling Pprotocol

L2TP Configuration

Name	Type	Enable	
L2tpd_server	Server	No	Edit Delete
L2tpcli	Client	No	Edit Delete

New instance name: Role: Client [Add New](#)

4. Checked "Enable", set Server as server WAN IP address, here our PPTP has IP address 192.168.5.139, server has WAN IP address 192.168.5.189. Set username/password we configured on L2TP server. Set Keep Alive and checkup interval.

L2TP Client Instance: L2tpcli

Main Settings

Enable

Server

Username

Password

MTU

Keep Alive

Checkup Interval

[Save & Apply](#) [Save](#) [Reset](#)

5. Click button "Save & Apply" if everything is done.
6. Check the link status of client:

Status

System

Services

Network

Operation Mode

Mobile

LAN

Wired WAN

WAN IPv6

Interfaces

Wi-Fi

Firewall

Static Routes

Switch

DHCP and DNS

Diagnostics

Loopback Interface

Hostnames

Dynamic Routing

QoS

Interfaces

Interface Overview

Network	Status	Actions
<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>L2TPCLI</p> <p>i2tp-l2tpcli</p> </div>	<p>Uptime: 0h 0m 57s</p> <p>RX: 46.00 B (4 Pkts.)</p> <p>TX: 52.00 B (4 Pkts.)</p> <p>IPv4: 192.168.0.20/32</p>	<p>Connect</p>
<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>LAN</p> <p>br-lan</p> </div>	<p>Uptime: 0h 49m 19s</p> <p>MAC-Address: 90:22:06:80:10:01</p> <p>RX: 102.27 KB (1690 Pkts.)</p> <p>TX: 63.80 KB (747 Pkts.)</p> <p>IPv4: 192.168.1.1/24</p> <p>IPv6: fdcc:1c37:2020::1/60</p>	<p>Connect</p>
<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>IFMOBILE</p> <p>ifmobile</p> </div>	<p>Unsupported protocol type.</p>	<p>Connect</p>
<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>WAN</p> <p>eth0.2</p> </div>	<p>Uptime: 0h 49m 16s</p> <p>MAC-Address: 90:22:06:C0:10:01</p> <p>RX: 771.42 KB (9055 Pkts.)</p> <p>TX: 2.30 MB (11599 Pkts.)</p> <p>IPv4: 192.168.5.139/24</p>	<p>Connect</p>
<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>WAN6</p> <p>eth0.2</p> </div>	<p>Uptime: 0h 0m 0s</p> <p>MAC-Address: 90:22:06:C0:10:01</p> <p>RX: 771.42 KB (9055 Pkts.)</p> <p>TX: 2.30 MB (11599 Pkts.)</p> <p>IPv4: 192.168.5.139/24</p>	<p>Connect</p>

7. Ping from PC2(192.168.1.112) which is behind L2PT client, to the PC1(192.168.2.171) which behind L2TP server.

```
64 bytes from 192.168.2.171: icmp_seq=995 ttl=62 time=6.008 ms
64 bytes from 192.168.2.171: icmp_seq=996 ttl=62 time=5.476 ms
64 bytes from 192.168.2.171: icmp_seq=997 ttl=62 time=5.350 ms
64 bytes from 192.168.2.171: icmp_seq=998 ttl=62 time=6.179 ms
64 bytes from 192.168.2.171: icmp_seq=999 ttl=62 time=6.684 ms
64 bytes from 192.168.2.171: icmp_seq=1000 ttl=62 time=5.640 ms
64 bytes from 192.168.2.171: icmp_seq=1001 ttl=62 time=5.284 ms
64 bytes from 192.168.2.171: icmp_seq=1002 ttl=62 time=5.063 ms
64 bytes from 192.168.2.171: icmp_seq=1003 ttl=62 time=6.062 ms
64 bytes from 192.168.2.171: icmp_seq=1004 ttl=62 time=6.067 ms
64 bytes from 192.168.2.171: icmp_seq=1005 ttl=62 time=6.575 ms
64 bytes from 192.168.2.171: icmp_seq=1006 ttl=62 time=3.398 ms
64 bytes from 192.168.2.171: icmp_seq=1007 ttl=62 time=5.990 ms
64 bytes from 192.168.2.171: icmp_seq=1008 ttl=62 time=9.059 ms
^C
--- 192.168.2.171 ping statistics ---
```