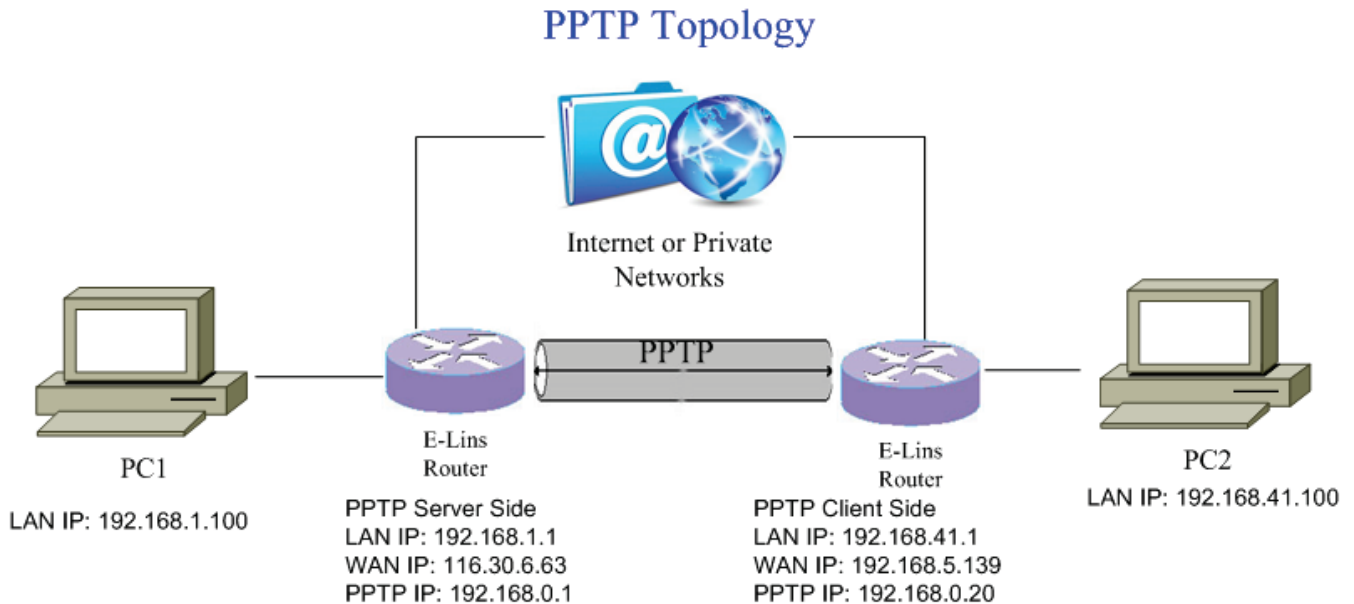


VPN Setting Example - PPTP



PPTP Server Side

1. Make sure the PPTP Server Router is online.

Status	Mobile	Mobile 2	WAN	LAN
Overview				
Network				
Firewall				
Routes				
System Log				
Kernel Log				
Reboot Log				
Realtime Graphs				
VPN				
System				
Services				
Network				
Logout				

WAN Status	
IPv4 WAN Status	Port: pppoe-wan
	Protocol: pppoe
	Address: 116.30.6.63
	Netmask: 255.255.255.255
	Gateway: 116.30.4.1
	DNS 1: 202.96.128.166
	DNS 2: 202.96.134.133
	Uptime: 1h 27m 44s
	Mac Addr: 00:00:00:00:00:00
RX	23.07 MB (37977 Pkts.)
TX	4.01 MB (29648 Pkts.)

- Open web management page, click “Services”->“VPN” at the left navigation bar, then click “PPTP” to open PPTP Configuration page.

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

Click button “Edit” in the list to configure PPTP server.

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

Main Settings

Enable

Local IP

192.168.0.1

PPTP remote IP start


192.168.0.20


PPTP remote IP end

192.168.0.30

ARP Proxy

Debug

Username	Password
<input type="text" value="pptp-username"/>	<input type="password" value="••••••••••"/> 
<input type="button" value="Delete"/>	
<input type="button" value="Add"/>	
<input type="button" value="Save & Apply"/> <input type="button" value="Save"/> <input type="button" value="Reset"/>	


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.

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

PPTP Client Side

1. Make sure the PPTP Client Router is online.

Status
Overview
Network
Firewall
Routes
System Log
Kernel Log
Reboot Log
Realtime Graphs
VPN
System
Services
Network
Logout

Mobile	WAN	LAN
Mobile Status		
Mobile 1		
Cellular Status	Up	
Cell Modem	TRICHEER_LM92XX (1C9E_9B07)	
IMEI/ESN	862234024935001	
Sim Status	SIM Ready	
Strength	 31 / 31, dBm : -79	
Selected Network	Automatic	
Registered Network	Registered on Home network: "CHN-CT ????", 7,	
Sub Network Type	LTE FDD	

2. Check if PPTP Client Router can visit PPTP Server Router without PPTP. If cannot visit, the PPTP will not be connected.

Status
System
Services
Network
Operation Mode
Mobile
LAN
Wired WAN
WAN IPv6
Interfaces
Wi-Fi
Firewall
Static Routes
Switch
DHCP and DNS
Diagnostics

Diagnostics

Network Utilities

116.30.6.63	www.google.com	www.google.com
IPv4 <input type="checkbox"/>	<input type="button" value="Ping"/>	<input type="button" value="Traceroute"/>
<input type="button" value="Nslookup"/>		

```

PING 116.30.6.63 (116.30.6.63): 56 data bytes
64 bytes from 116.30.6.63: seq=0 ttl=55 time=42.497 ms
64 bytes from 116.30.6.63: seq=1 ttl=55 time=42.097 ms
64 bytes from 116.30.6.63: seq=2 ttl=55 time=41.777 ms
64 bytes from 116.30.6.63: seq=3 ttl=55 time=41.497 ms
64 bytes from 116.30.6.63: seq=4 ttl=55 time=41.178 ms

--- 116.30.6.63 ping statistics ---
5 packets transmitted, 5 packets received, 0% packet loss
round-trip min/avg/max = 41.178/41.809/42.497 ms
    
```

- Open web management page, click "Services" -> "VPN" at the left navigation bar, then click "PPTP" to open PPTP Configuration page.

The screenshot shows the PPTP Configuration page. On the left, a navigation menu has 'VPN 01' highlighted. The main area has tabs for 'IPSec', 'PPTP', 'L2TP', 'OpenVPN', and 'GRE Tunnel', with 'PPTP' selected. Below the tabs is the title 'Point-to-Point Tunneling Protocol' and 'PPTP Configuration'. A message states: 'Below is a list of configured PPTP instances and their state.' Below this is a table:

Name	Type	Enable		
Pptp	Client	No		Edit Delete
Pptpc	Client	Yes	03	Edit Delete

Below the table is a form to add a new instance:

New instance name: Role:

Client 02

PPTP NAT enable

Input new instance name, the example we input "PPTPc", and then select "Client" as role, finally Click Button "Add New".

Click button "Edit" in the row of "PPTPc" instance.

PPTP Client Instance: Pptpc

Main Settings

Enable	<input checked="" type="checkbox"/>
Server	<input type="text" value="116.30.6.63"/>
Username	<input type="text" value="pptp-username"/>
Password	<input type="password" value="*****"/>
Remote LAN subnet	<input type="text" value="192.168.1.0"/>
Remote LAN netmask	<input type="text" value="255.255.255.0"/>
MTU	<input type="text" value="1500"/>
Keep Alive	<input type="text" value="8"/>
Use DNS servers advertised by peer	<input checked="" type="checkbox"/>
Debug	<input checked="" type="checkbox"/>
Restart module when PPTP connects failed	<input checked="" type="checkbox"/>

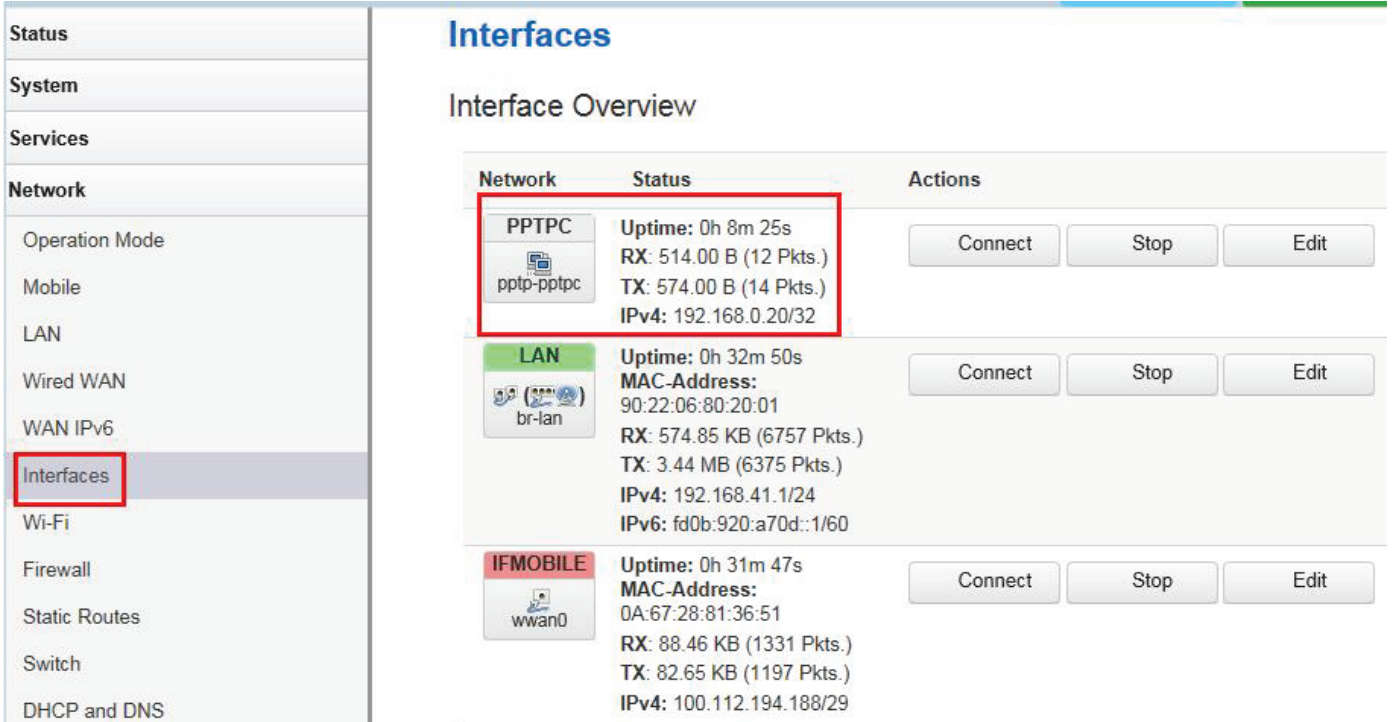
Checked "Enable", fill in value of "Server" as PPTP Server WAN IP address. Here our PPTP Server Router has WAN IP address 116.30.6.63 and LAN IP address 192.168.1.1

Set username/password we configured on PPTP server.

Set Keep Alive and checkup interval.

Click button "Save & Apply" if everything is done.

4. Wait some seconds until the PPTP Client Router connects to PPTP Server Router via PPTP.
Check the link status of PPTP Client Router.



Interfaces

Interface Overview

Network	Status	Actions
PPTPC pptp-pptpc	Uptime: 0h 8m 25s RX: 514.00 B (12 Pkts.) TX: 574.00 B (14 Pkts.) IPv4: 192.168.0.20/32	Connect Stop Edit
LAN br-lan	Uptime: 0h 32m 50s MAC-Address: 90:22:06:80:20:01 RX: 574.85 KB (6757 Pkts.) TX: 3.44 MB (6375 Pkts.) IPv4: 192.168.41.1/24 IPv6: fd0b:920:a70d::1/60	Connect Stop Edit
IFMOBILE wwan0	Uptime: 0h 31m 47s MAC-Address: 0A:67:28:81:36:51 RX: 88.46 KB (1331 Pkts.) TX: 82.65 KB (1197 Pkts.) IPv4: 100.112.194.188/29	Connect Stop Edit

Once the PPTP connection is up, the PPTP Client Router will display PPTP IP address at "Interface".

- Ping from PPTP Client Router to PPTP Server Router (with PPTP IP 192.168.0.1)

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

Diagnostics

Network Utilities

```
PING 192.168.0.1 (192.168.0.1): 56 data bytes
64 bytes from 192.168.0.1: seq=0 ttl=64 time=55.644 ms
64 bytes from 192.168.0.1: seq=1 ttl=64 time=56.024 ms
64 bytes from 192.168.0.1: seq=2 ttl=64 time=55.804 ms
64 bytes from 192.168.0.1: seq=3 ttl=64 time=54.384 ms
64 bytes from 192.168.0.1: seq=4 ttl=64 time=54.144 ms
```

```
--- 192.168.0.1 ping statistics ---
5 packets transmitted, 5 packets received, 0% packet loss
round-trip min/avg/max = 54.144/55.200/56.024 ms
```