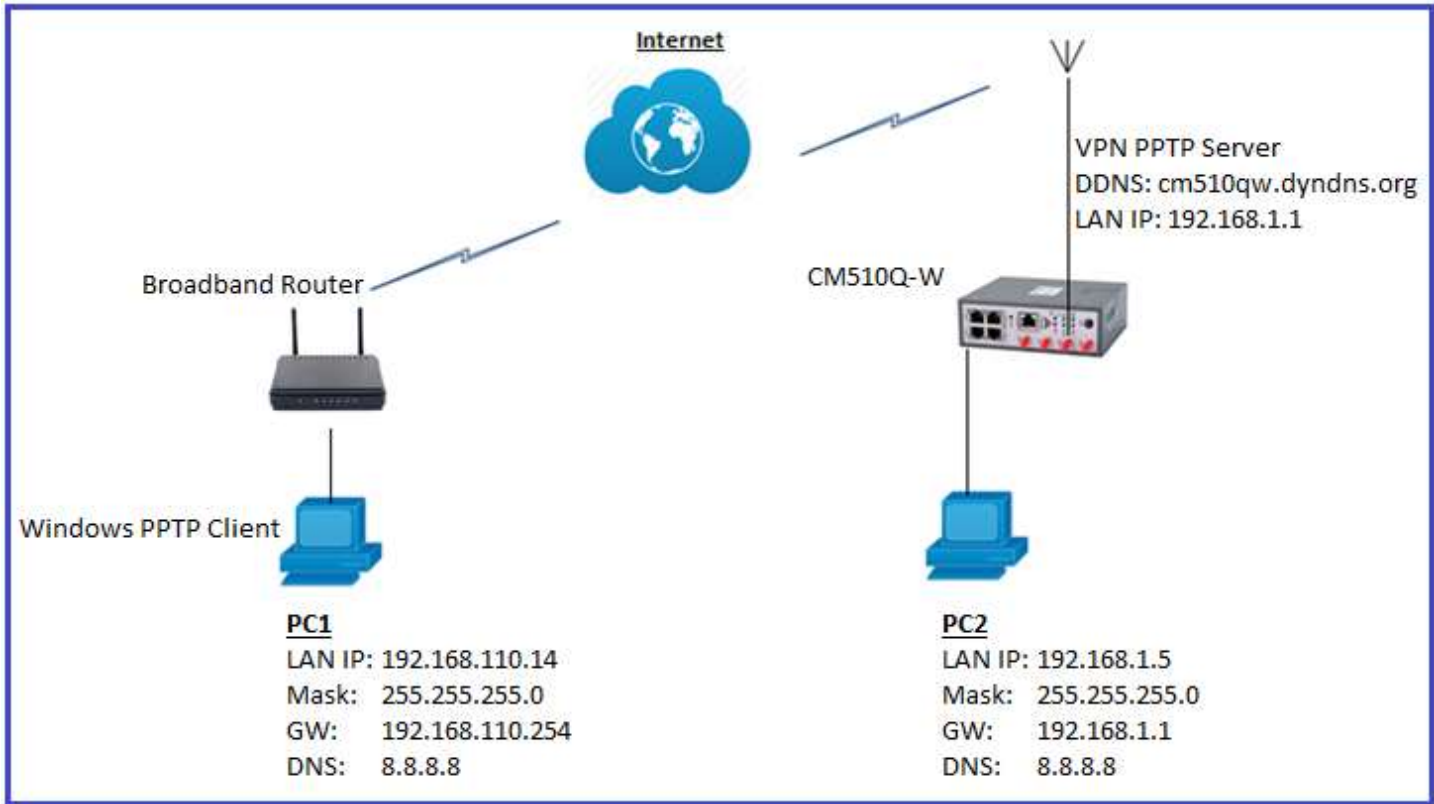


# How to configure the CM510Q-W and CM550W as PPTP Server

## Network Topology



To configure VPN PPTP server on the CM510Q-W or CM550W router, please configure the router with the correct APN that will provide you with a Public WAN IP address, such as **telstra.extranet** for a Telstra Data SIM. You need to ask your carrier to activate your SIM card with a Public WAN IP.

## Configure PPTP server settings as below:

- Go to VPN Tunnel -> PPTP server
- Enable PPTP Server
- Set Remote IP Address Range to 172.19.0.1 - 172.19.0.6
- Set Encryption to MPPE-128
- Set PPTP User and Password

Basic Network

WLAN

Advanced Network

Firewall

VPN Tunnel

GRE

OpenVPN Client

PPTP Server

PPTP Online

PPTP Server

Enable

☒

Local IP Address/Netmask

192.168.1.1 / 255.255.255.0

Remote IP Address Range

172.19.0.1 - 172.19.0.6 (6)

Broadcast Relay Mode

Disabled

Enabling this may cause HIGH CPU usage

Encryption

MPPE-128

DNS Servers

0.0.0.0

PPTP User List

Username

test

Password

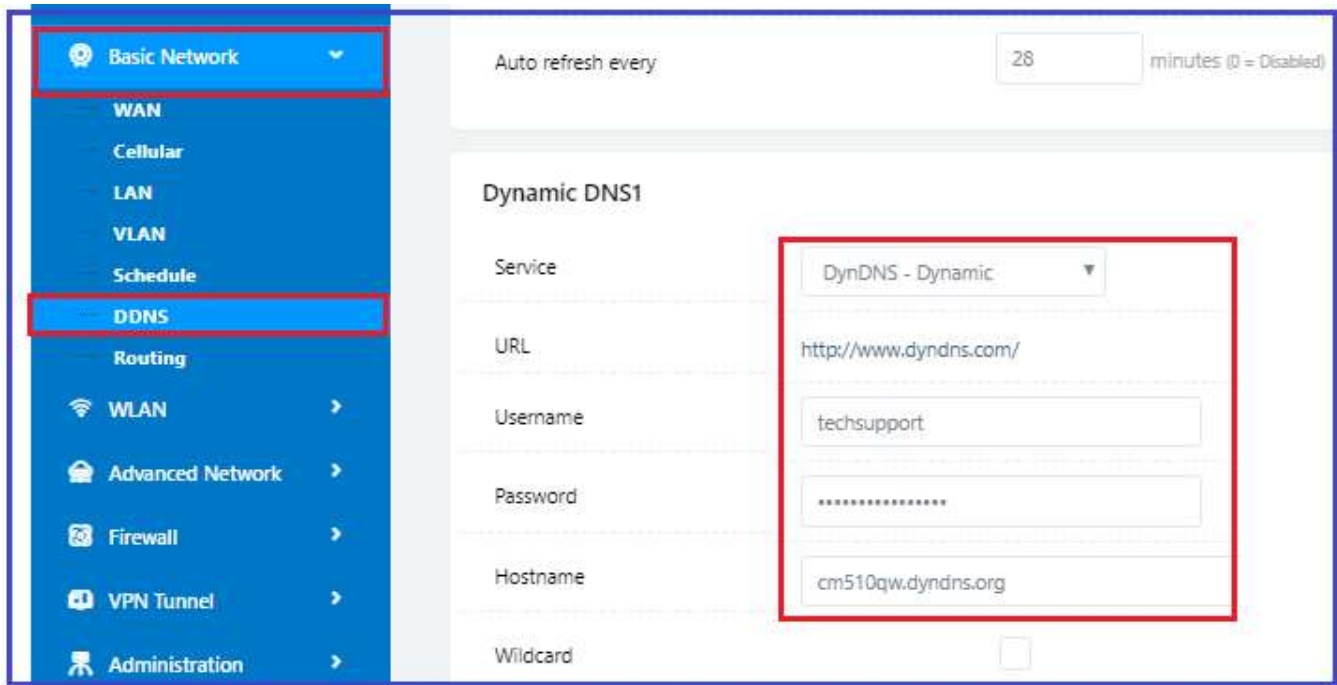
test

Delete

Cancel

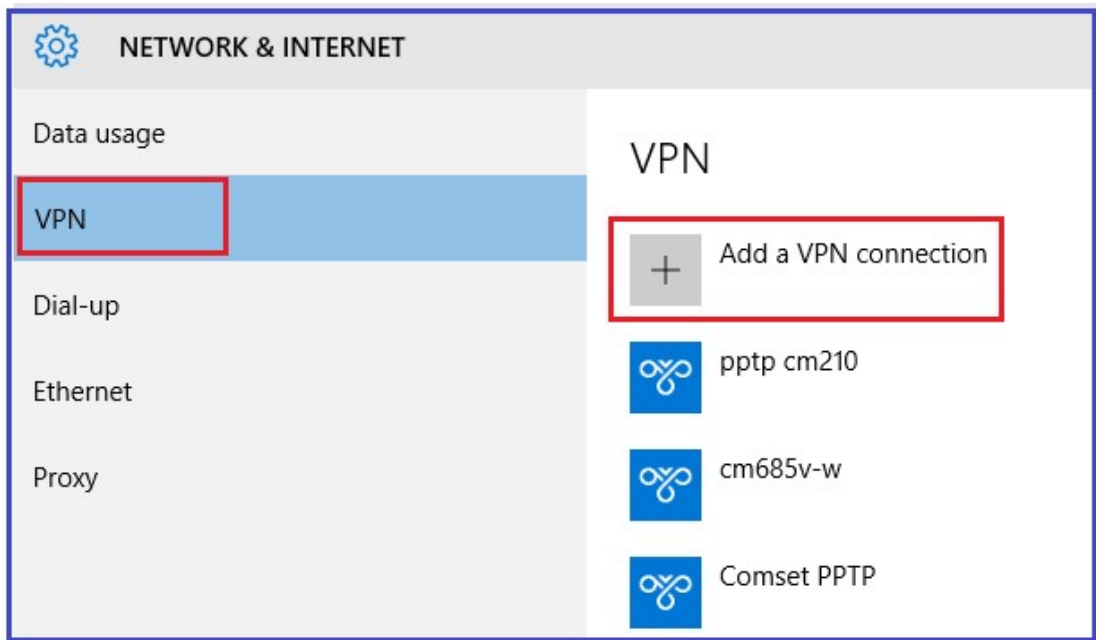
OK

Set DDNS settings for Dynamic Public WAN IP address.  
Go to Basic Network -> DDNS ->



On Windows PC.

- 1. Go to Network and Internet Settings -> VPN -> Add a VPN connection.



- 2. Set VPN Settings as below and click on the **Save** button.

VPN provider

Windows (built-in)

Connection name

PPTP

Server name or address

cm510qw.dyndns.org

VPN type

Point to Point Tunneling Protocol (PPTP)

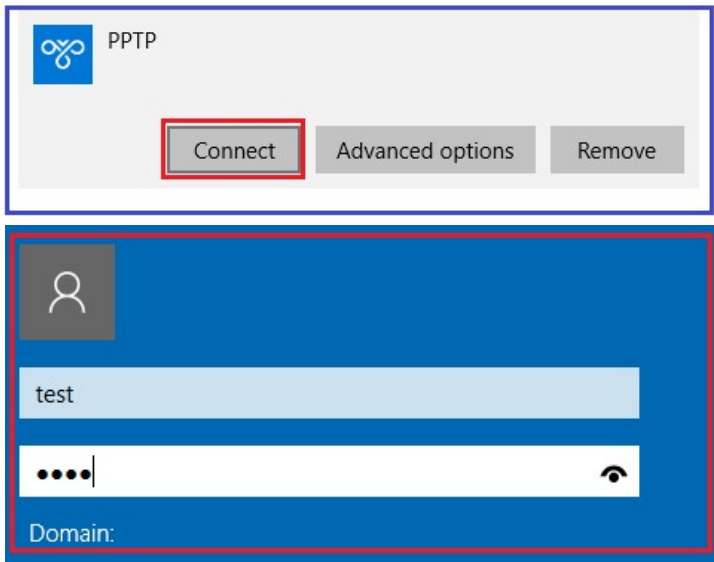
Type of sign-in info

User name and password

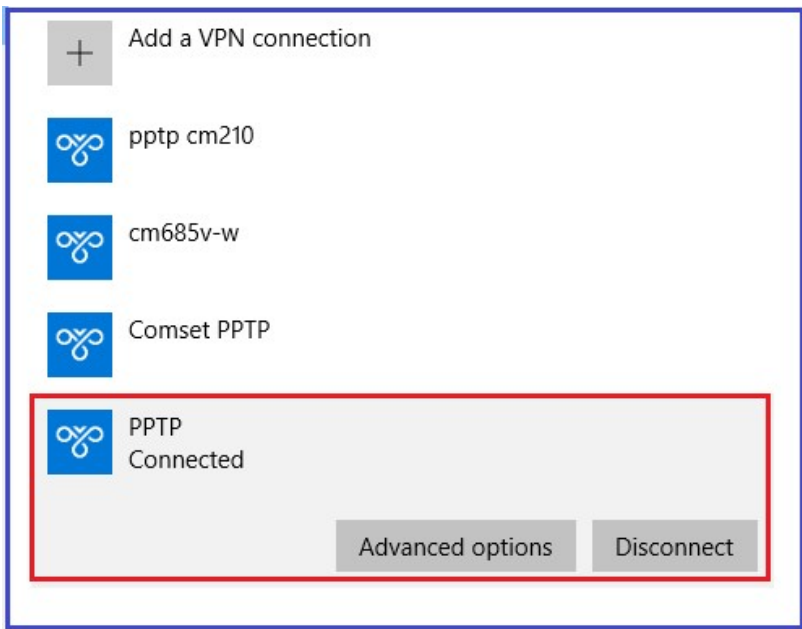
User name (optional)

test

3. Click on **PPTP** to connect to the VPN PPTP server with username and password.



4. Check VPN PPTP client connection.



5. Ping PC2 (192.168.1.5) behind the PPTP server from PC1

```
C:\Users\Ben>ping 192.168.1.5

Pinging 192.168.1.5 with 32 bytes of data:
Reply from 192.168.1.5: bytes=32 time=275ms TTL=127
Reply from 192.168.1.5: bytes=32 time=277ms TTL=127
Reply from 192.168.1.5: bytes=32 time=289ms TTL=127
Reply from 192.168.1.5: bytes=32 time=342ms TTL=127

Ping statistics for 192.168.1.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 275ms, Maximum = 342ms, Average = 295ms
```

6. Ping CM510Q-W LAN IP (192.168.1.1) from PC1.

```
C:\Users\Ben>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:
Reply from 192.168.1.1: bytes=32 time=290ms TTL=64
Reply from 192.168.1.1: bytes=32 time=283ms TTL=64
Reply from 192.168.1.1: bytes=32 time=276ms TTL=64
Reply from 192.168.1.1: bytes=32 time=448ms TTL=64

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 276ms, Maximum = 448ms, Average = 324ms
```