

How to use VPN PPTP Server/Client on TW-EAV510/EAV510 AC

Note: Please make sure that both LAN side networks are in different subnet.

Enable VPN PPTP Server Function

Go to **Advanced Setup** -> **VPN** -> **PPTP Server**, make “**Enable PPTP Server**” checkbox checked. And you will see the page as below:

PPTP Server

Enabled PPTP Server

Enable MPPE

Assigned to Peer IP Address start from: 192.168.20.

Inactivity Timeout (minutes) [0-120]:

Enabled PPTP Server: Make it checked to enable PPTP Server function.

Enable MPPE: Enable the Microsoft Point-to-Point Encryption (MPPE) encrypts data in Point-to-Point Tunneling Protocol (PPTP) virtual private network (VPN) connections when checked. Your PPTP client must support MPPE if checked.

Assigned to Peer IP Address start from: Enter the IP that will be assigned to remote client. The pool range is the value you entered + 3 (192.168.20.10~192.168.20.13), totally 4 IP addresses. Please make this pool out of DHCP Server Pool.

Inactivity Timeout (minutes) [0-120]: Check the traffic in PPTP tunnel and disconnect the connection if no traffic after period of value you set. Default is 0 and keeps always on without checking.

Setup PPTP account for PPTP Server

Go to **Advanced Setup** -> **VPN** -> **Account**.

Account

Maximum entries: 4

Name	Enable	Username	Connection Type	Peer IP	Peer Netmask	Remove	Edit
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Add

Remove

Click **Add** button to add new user. Totally support up to 4 users.

Configure Account

Name:

Enable

Username:

Password:

Connection Type: Remote Access LAN TO LAN

Peer IP:

Peer Netmask:

Apply/Save

Name: The name for user profile.

Enable: Enable/Disable this account.

Username: The name will be used for authentication.

Password: The password will be used for authentication.

Connection Type: Setup connection to Remote Access or LAN to LAN.

Remote Access - Limited your remote PPTP Client as one of clients at local network. The remote client can have full access to local network, but any clients at local network cannot access to remote client's network.

LAN to LAN - The clients at both local/remote network can access each other.

Peer IP: Enter the remote network's IP address.

Peer Netmask: Enter the remote network's netmask.

Remove/Edit user

Account

Maximum entries: 4

Name	Enable	Username	Connection Type	Peer IP	Peer Netmask	Remove	Edit
test1	Enable	test1	LAN TO LAN	192.168.0.0	255.255.255.0	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/>

Make Remove checkbox checked and click **Remove** button to remove user or click **Edit** button to edit the details of user.

Setup PPTP Client for Remote Access

Go to **Advanced Setup** -> **VPN** -> **PPTP Client**.

PPTP Client

Maximum entries: 4

Name	Local Gateway Interface	Remote Gateway	Username	MPPE	Connection Type	Peer IP	Peer Netmask	Enable	Remove	Edit
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Click **Add** button to add a new PPTP Client connection.

Configure PPTP Client

Name:

Enable

Local Gateway Interface:

Remote Gateway:

Username:

Password:

Enable MPPE

Connection Type: Remote Access LAN TO LAN

Peer IP:

Peer Netmask:

Name: The name for PPTP Client profile.

Enable: Enable/Disable this profile.

Local Gateway Interface: Select the correct WAN interface that will be used to access to remote network.

Remote Gateway: Enter the IP/Domain address of remote PPTP Server.

Username: The name will be used for authentication.

Password: The password will be used for authentication.

Enable MPPE: Enable the Microsoft Point-to-Point Encryption (MPPE) encrypts data in Point-to-Point Tunneling Protocol (PPTP) virtual private network (VPN) connections when checked. Your PPTP Server must support MPPE if checked.

Connection Type: Setup connection to Remote Access or LAN to LAN.

Remote Access - Make your router as one of clients at remote network. You can have full access to remote network, but remote network cannot access to any client at your local network.

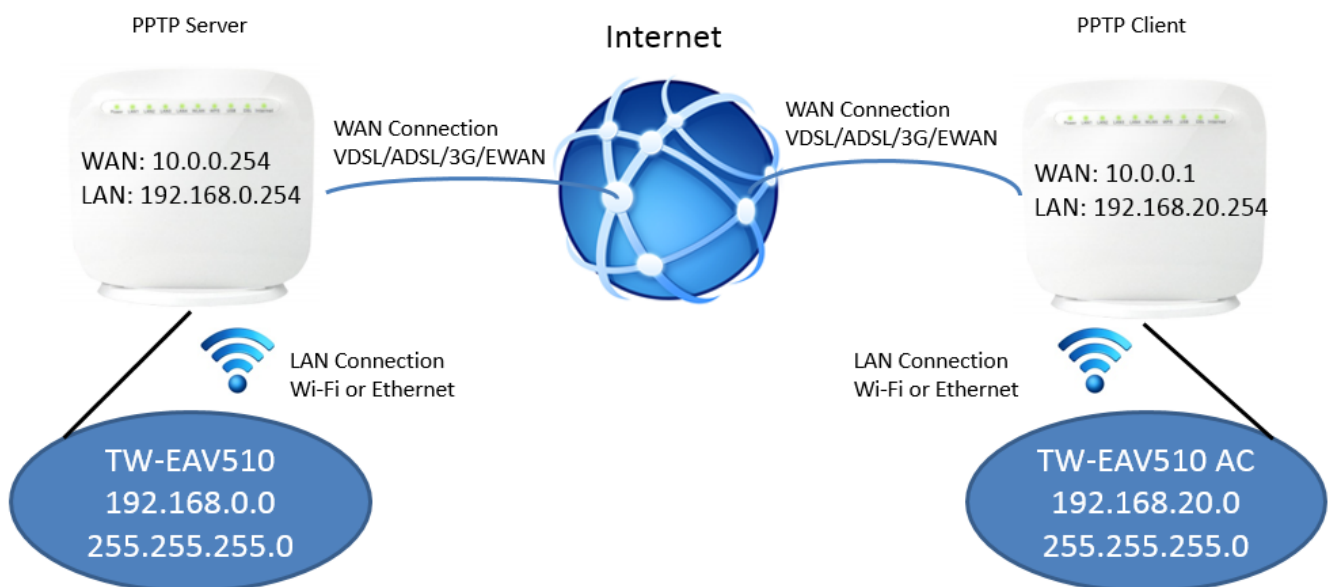
LAN to LAN - The clients at both local/remote network can access each other.

Peer IP: Enter the remote network's IP address.

Peer Netmask: Enter the remote network's netmask.

Example 1

TW-EAV510 is activated as PPTP Server and TW-EAV510 AC is activated as PPTP Client.



Remote Access

TW-EAV510 (PPTP Server)

1. Go to **Advanced Setup** -> **VPN** -> **PPTP**, enable the PPTP Server and do the settings as below. Click **Apply/Save** button to save changes.

PPTP Server

Enabled PPTP Server

Enable MPPE

Assigned to Peer IP Address start from: 192.168.0.

Inactivity Timeout (minutes) [0-120]:

2. Go to **Advanced Setup** -> **VPN** -> **Account**, add a new user for login.

Configure Account

Name:

Enable

Username:

Password:

Connection Type: Remote Access LAN TO LAN

Click **Apply/Save** button to save changes.

Account

Maximum entries: 4

Name	Enable	Username	Connection Type	Peer IP	Peer Netmask	Remove	Edit
test	Enable	test	Remote Access			<input type="checkbox"/>	<input type="button" value="Edit"/>

TW-EAV510 AC (PPTP Client)

1. Go to **Advanced Setup** -> **VPN** -> **PPTP Client**, click **Add** button to add a new PPTP connection.

Configure PPTP Client

Name:

Enable

Local Gateway Interface:

Remote Gateway:

Username:

Password:

Enable MPPE

Connection Type: Remote Access LAN TO LAN

Click **Apply/Save** button to save account settings.

PPTP Client

Maximum entries: 4

Name	Local Gateway Interface	Remote Gateway	Username	MPPE	Connection Type	Peer IP	Peer Netmask	Enable	Remove	Edit
PPTP-Test	eth4.1	10.0.0.254	test	Enable	Remote Access			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="Edit"/>

2. Go to **Device Info** -> **VPN** -> **Client Info** to check connection status. You can also click **Disconnect** button to disconnect the PPTP connection.

Device Info -- Client Info

Name	Enable	Status	Connection Type	Remote Gateway	Peer IP	Client IP	Action
PPTP-Test	Enabled	Connected	Remote Access	10.0.0.254	192.168.0.254	192.168.0.100	<input type="button" value="Disconnect"/>

When **Status** shows **Connected**, you can now access to remote network.

Below is Server Info for reference.

Device Info -- Server Info

Name	Enable	Status	Connection Type	Peer IP	Connected By	Action
test	Enabled	Connected	Remote Access	192.168.0.100	10.0.0.1	<input type="button" value="Disconnect"/>

LAN to LAN

TW-EAV510 (PPTP Server)

1. Go to **Advanced Setup** -> **VPN** -> **PPTP**, enable the PPTP Server and do the settings as below. Click **Apply/Save** button to save changes.

PPTP Server

Enabled PPTP Server

Enable MPPE

Assigned to Peer IP Address start from: 192.168.0.

Inactivity Timeout (minutes) [0-120]:

2. Go to **Advanced Setup** -> **VPN** -> **Account**, add a new user for login. The different with Remote Access is you need to enter peer network information.

Configure Account

Name:

Enable

Username:

Password:

Connection Type: Remote Access LAN TO LAN

Peer IP:

Peer Netmask:

Click **Apply/Save** button to save changes.

Account

Maximum entries: 4

Name	Enable	Username	Connection Type	Peer IP	Peer Netmask	Remove	Edit
test	Enable	test	LAN TO LAN	192.168.20.0	255.255.255.0	<input type="checkbox"/>	<input type="button" value="Edit"/>

TW-EAV510 AC (PPTP Client)

1. Go to **Advanced Setup** -> **VPN** -> **PPTP Client**, click **Add** button to add a new PPTP connection. For LAN to LAN, you need to enter peer network information.

Configure PPTP Client

Name:

Enable

Local Gateway Interface:

Remote Gateway:

Username:

Password:

Enable MPPE

Connection Type: Remote Access LAN TO LAN

Peer IP:

Peer Netmask:

Click **Apply/Save** button to save account settings.

PPTP Client

Maximum entries: 4

Name	Local Gateway Interface	Remote Gateway	Username	MPPE	Connection Type	Peer IP	Peer Netmask	Enable	Remove	Edit
PPTP-Test	eth4.1	10.0.0.254	test	Enable	LAN TO LAN	192.168.0.0	255.255.255.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="Edit"/>

2. Go to **Device Info** -> **VPN** -> **Client Info** to check connection status. You can also click **Disconnect** button to disconnect the PPTP connection.

Device Info -- Client Info

Name	Enable	Status	Connection Type	Remote Gateway	Peer IP	Client IP	Action
PPTP-Test	Enabled	Connected	LAN TO LAN	10.0.0.254	192.168.0.0	192.168.0.100	<input type="button" value="Disconnect"/>

When **Status** shows **Connected**, both local and remote network can access each other.

Below is Server Info for reference.

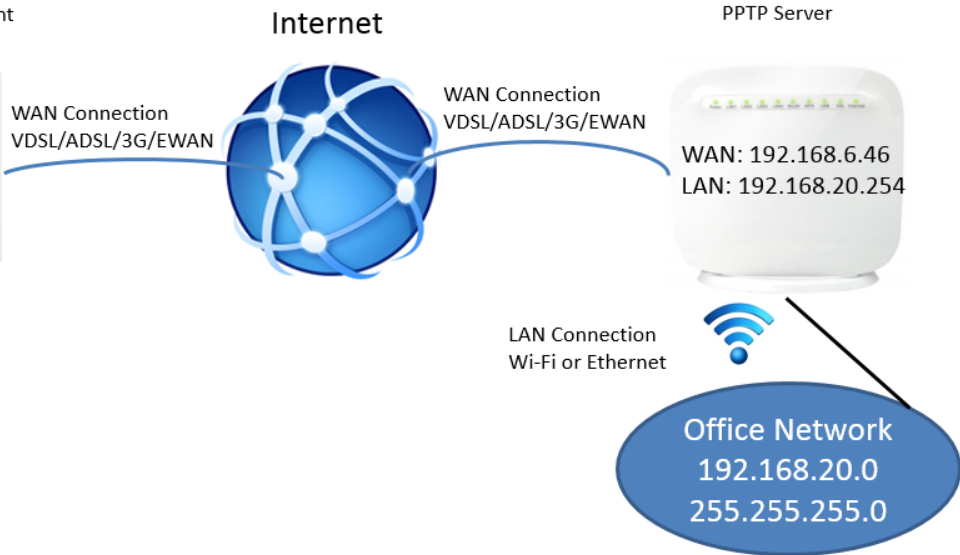
Device Info -- Server Info

Name	Enable	Status	Connection Type	Peer IP	Connected By	Action
test	Enabled	Connected	LAN TO LAN	192.168.20.0	10.0.0.1	<button>Disconnect</button>

Example 2

TW-EAV510 is activated as PPTP Server and Windows 8.1 is activated as PPTP Client for Remote Access.

Windows 8.1 with PPTP Client



TW-EAV510 (PPTP Server)

1. Go to **Advanced Setup** -> **VPN** -> **PPTP**, enable the PPTP Server and do the settings as below. Click **Apply/Save** button to save changes.

PPTP Server

Enabled PPTP Server

Enable MPPE

Assigned to Peer IP Address start from: 192.168.20.

Inactivity Timeout (minutes) [0-120]:

Apply/Save

2. Go to **Advanced Setup** -> **VPN** -> **Account**, add a new user for login.

Configure Account

Name:

Enable

Username:

Password:

Connection Type: Remote Access LAN TO LAN

Click **Apply/Save** button to save changes.

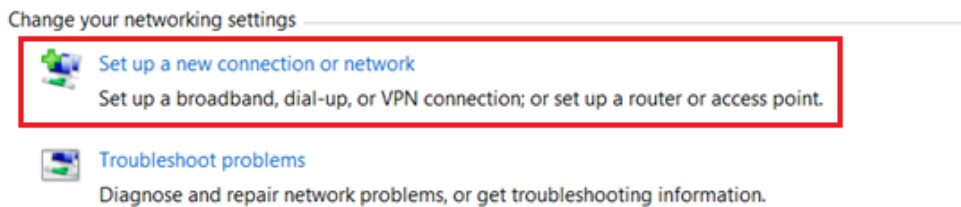
Account

Maximum entries: 4

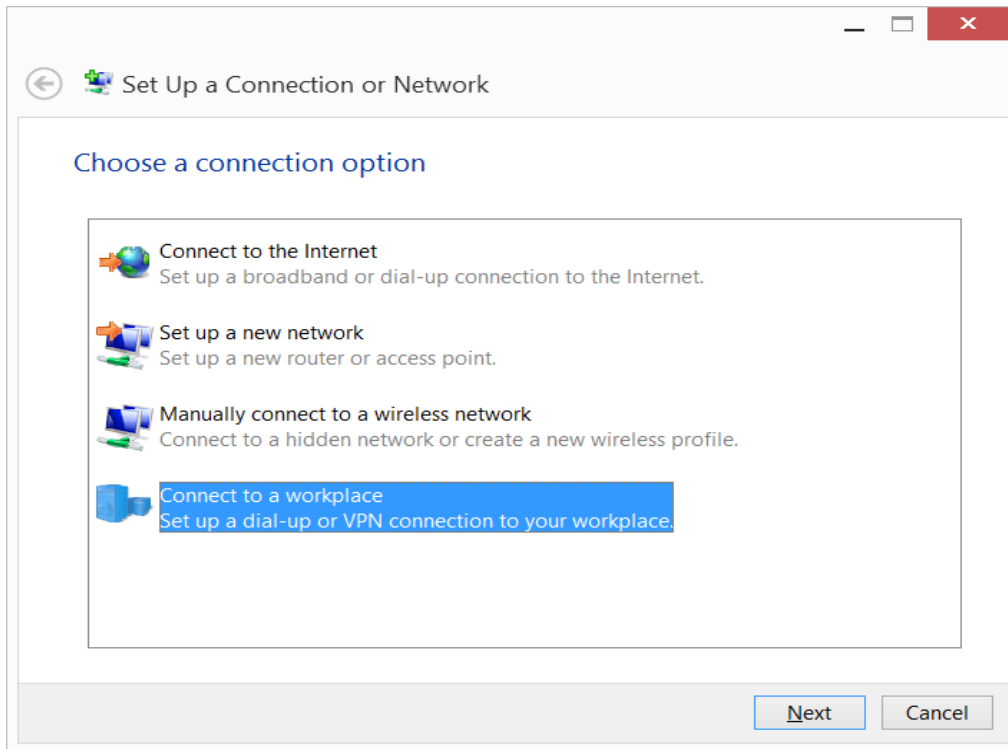
Name	Enable	Username	Connection Type	Peer IP	Peer Netmask	Remove	Edit
Test	Enable	test	Remote Access			<input type="checkbox"/>	<input type="button" value="Edit"/>

Windows 8/8.1 (PPTP Client)

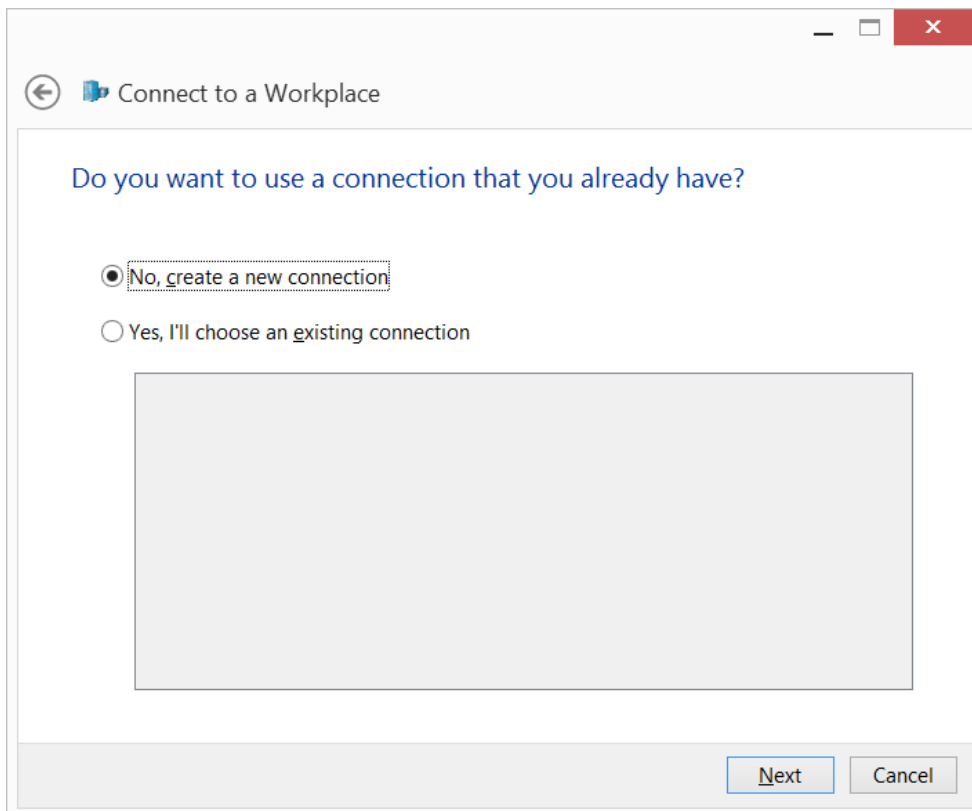
1. Go to **Control Panel** -> **View network status and tasks**, click **Setup a new connection or network** to add a new PPTP connection.



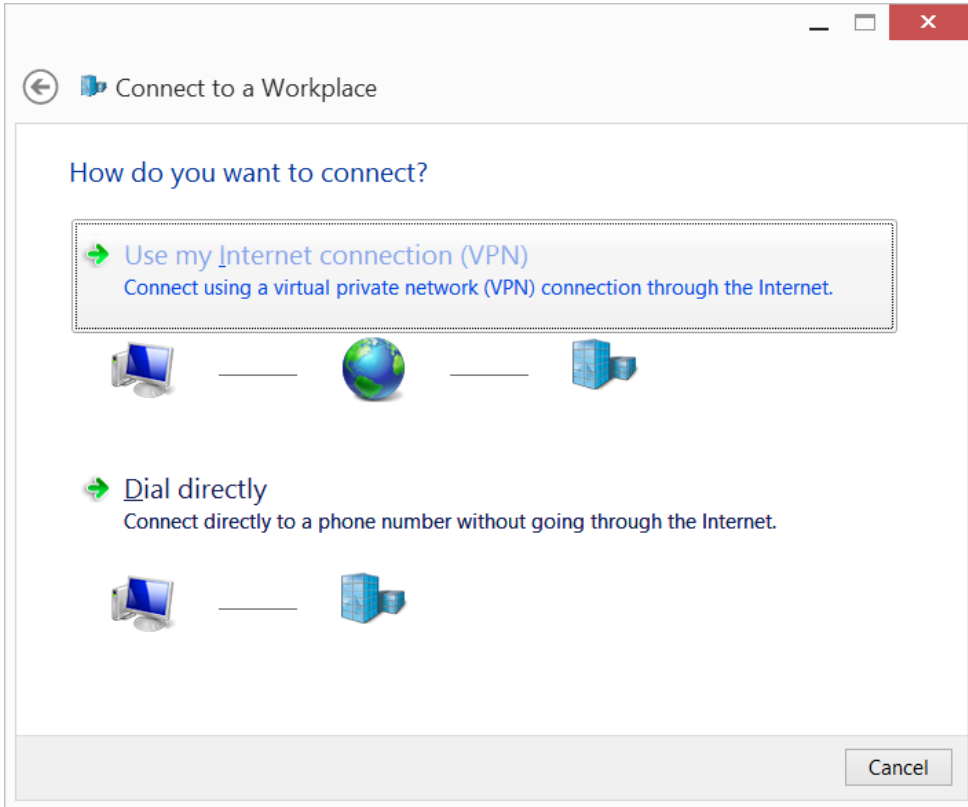
2. Select **Connect to a workplace**.



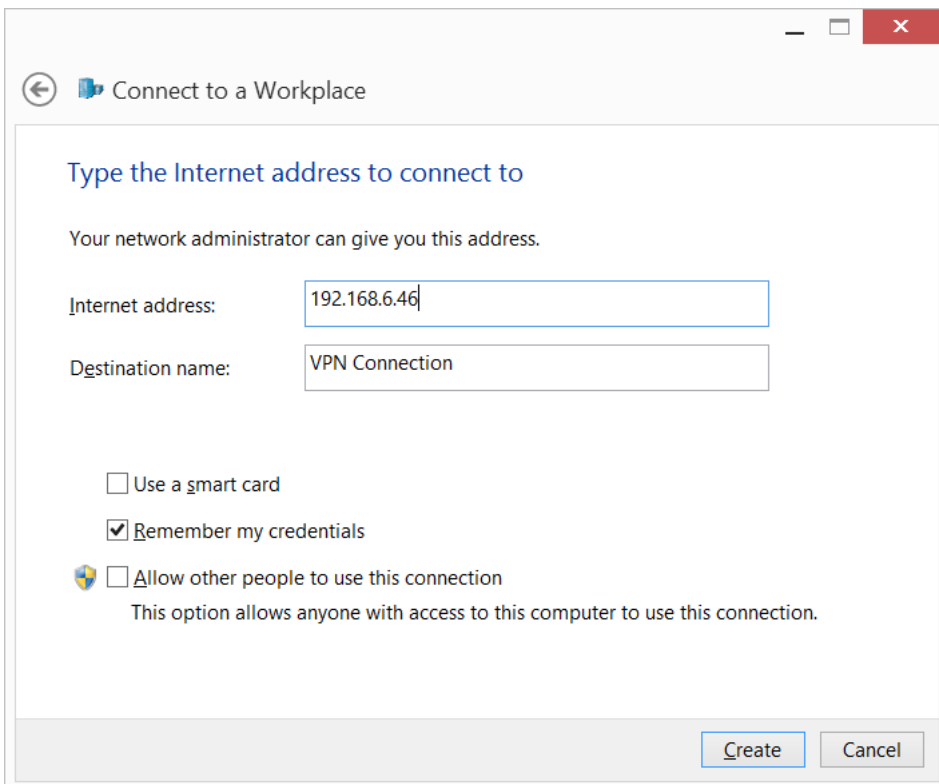
3. Select **No, create a new connection** and click **Next** button for next step.



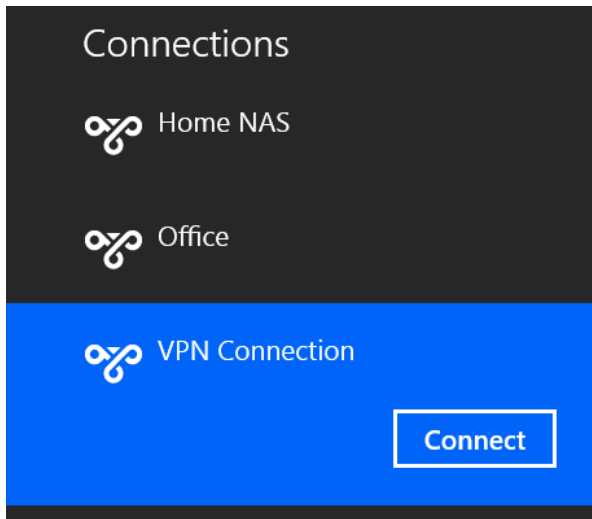
4. Select **Use my Internet connection (VPN)**.



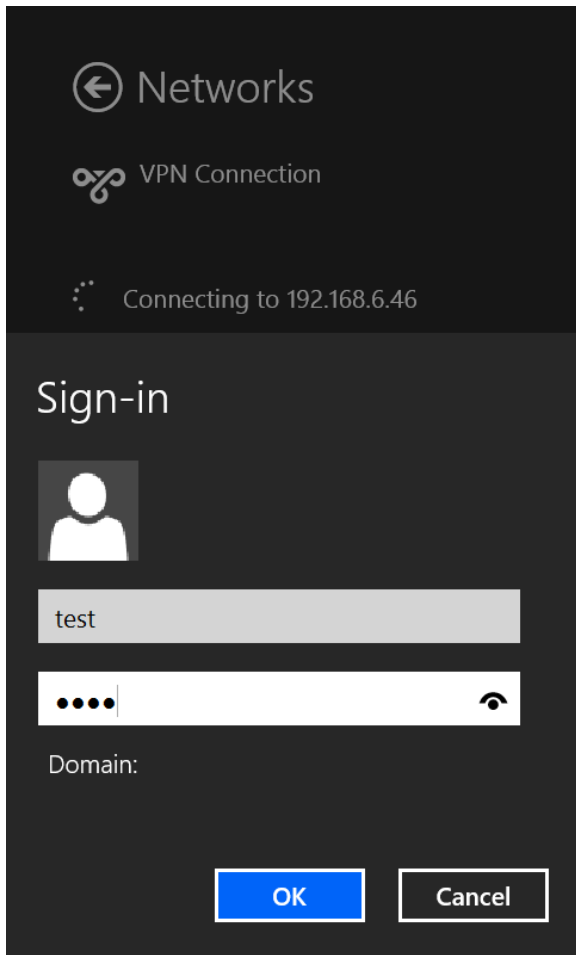
5. Enter the PPTP Server address/domain to field named **Internet address**. Please make sure your domain name address is work correctly if you are use domain name instead of IP address. Click **Create** button finish the PPTP client settings on Windows 8.1.



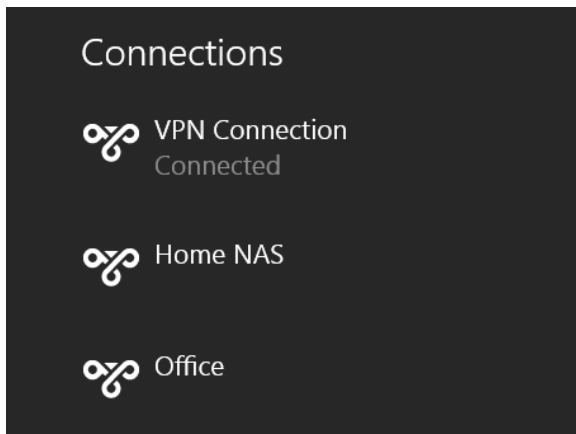
6. Click the Network icon at the lower right corner. You can find the **VPN Connection** that we just created under **Connections**, click **Connect** button to enter the username and password.



7. Enter the **username** and **password** that set on TW-EAV510/510AC's PPTP Server and click **OK** button to connect to PPTP Server.



Connected



Once connected, you can also see the connection status as below on TW-EAV510/510AC's WEB GUI.

Device Info -- Server Info

Name	Enable	Status	Connection Type	Peer IP	Connected By	Action
Test	Enabled	Connected	Remote Access	192.168.20.10	192.168.6.32	Disconnect