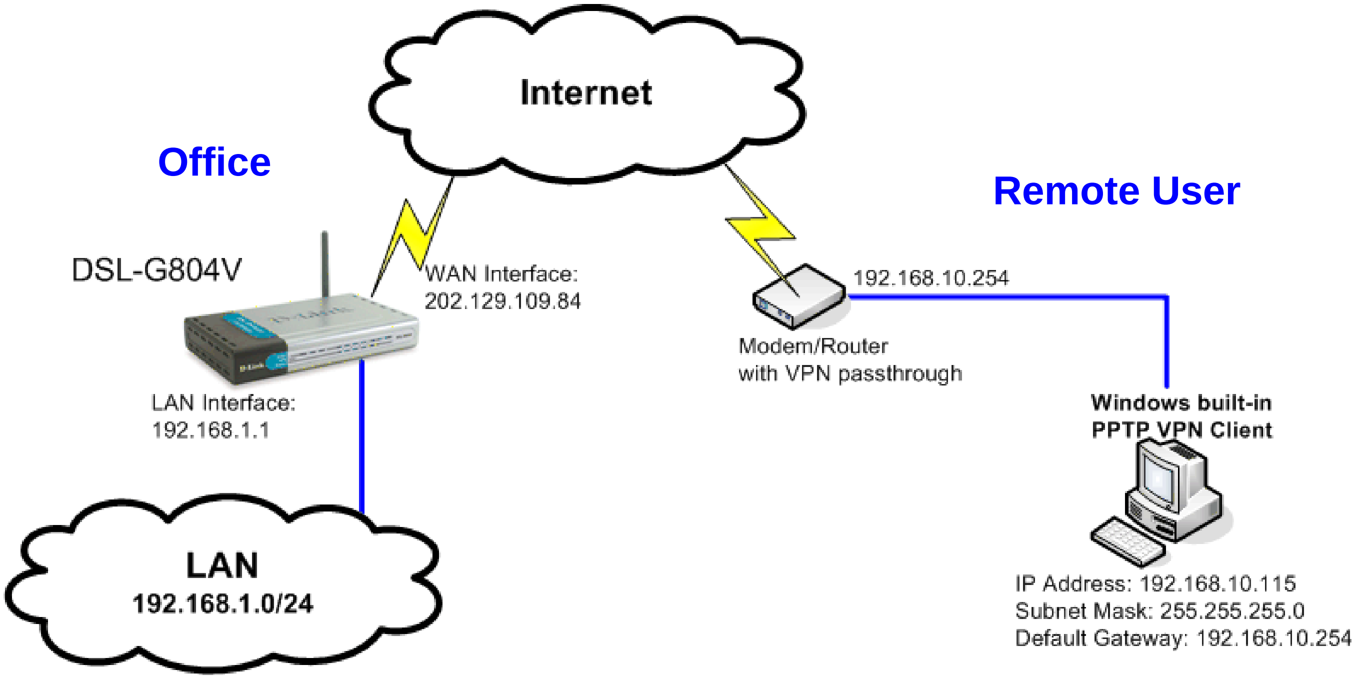
How To Setup PPTP VPN
Between Windows PPTP Client And DSL-G804V.

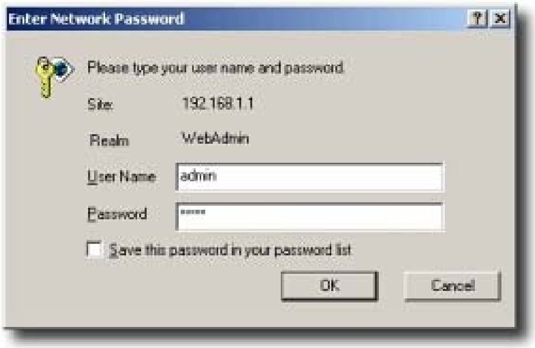
This setup example uses the following network settings:



DSL-G804V Setup

Step 1. Open a web browser (e.g. Internet Explorer) and type the IP address of the DSL-G804V in the address bar (the default is 192.168.1.1). Press **Enter**.

Step 2. Enter the username and password (default is admin/admin). Click on **OK** to login.



Enter Network Password

Please type your user name and password.

Site: 192.168.1.1

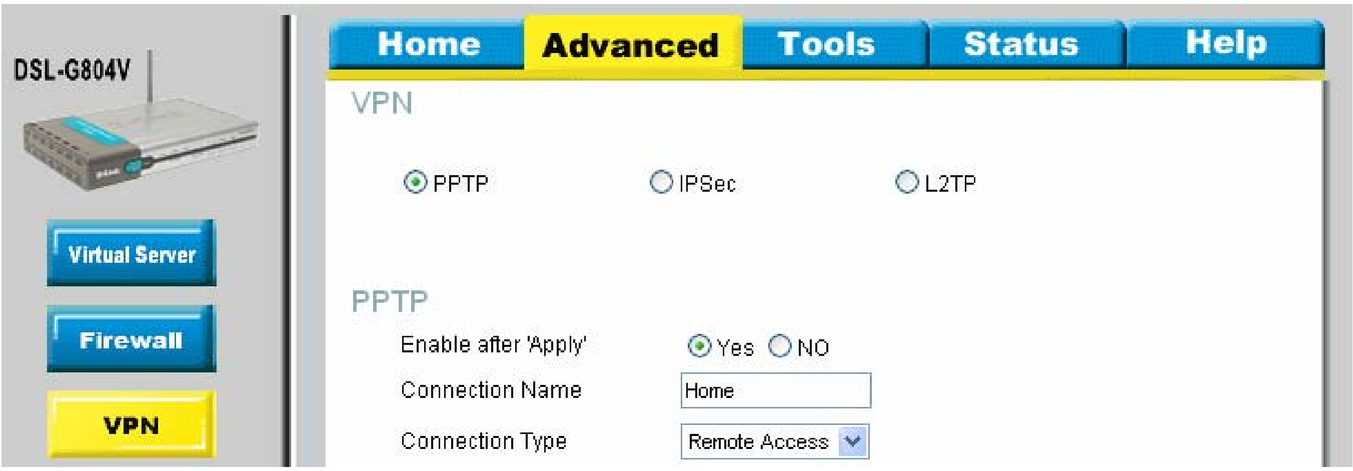
Realm WebAdmin

User Name admin

Password *****

□ Save this password in your password list

Step 3. Click on **Advanced** at the top. Click on **VPN** on the left side, then the PPTP option.



VPN

● PPTP ○ IPSec ○ L2TP

PPTP

Enable after 'Apply' ● Yes ○ NO

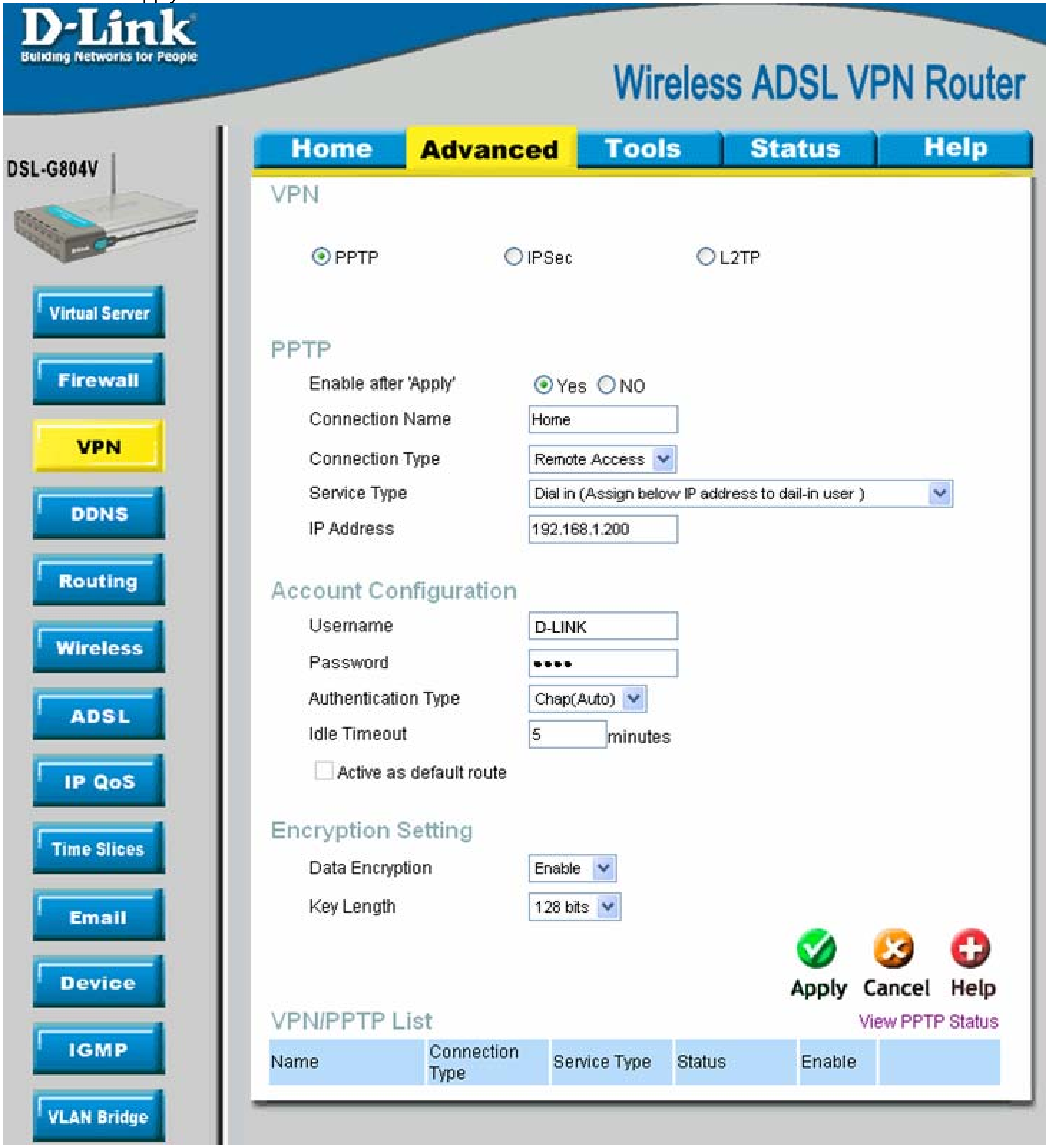
Connection Name Home

Connection Type Remote Access

Step 4. Configure the following:

- **Enable after Apply** - set to Yes
- **Connection Name** - enter the connection name
- **Connection Type** - Select Remote Access
- **Service Type** - Select Dial-in
- **IP Address** - enter the IP address to be assigned to the remote user (i.e. 192.168.1.200)
- **Username** - enter the Username
- **Password -** enter the Password
- **Idle Timeout -** enter preferred time out for user (i.e. 5 mins)
- **Data Encryption -** select Enable
- **Key Length -** select 128 bits

Once done click “Apply”



VPN

● PPTP ○ IPSec ○ L2TP

PPTP

Enable after 'Apply'	● Yes ○ NO
Connection Name	Home
Connection Type	Remote Access
Service Type	Dial in (Assign below IP address to dail-in user)
IP Address	192.168.1.200

Account Configuration

Username	D-LINK
Password	••••
Authentication Type	Chap(Auto)
Idle Timeout	5 minutes

□ Active as default route

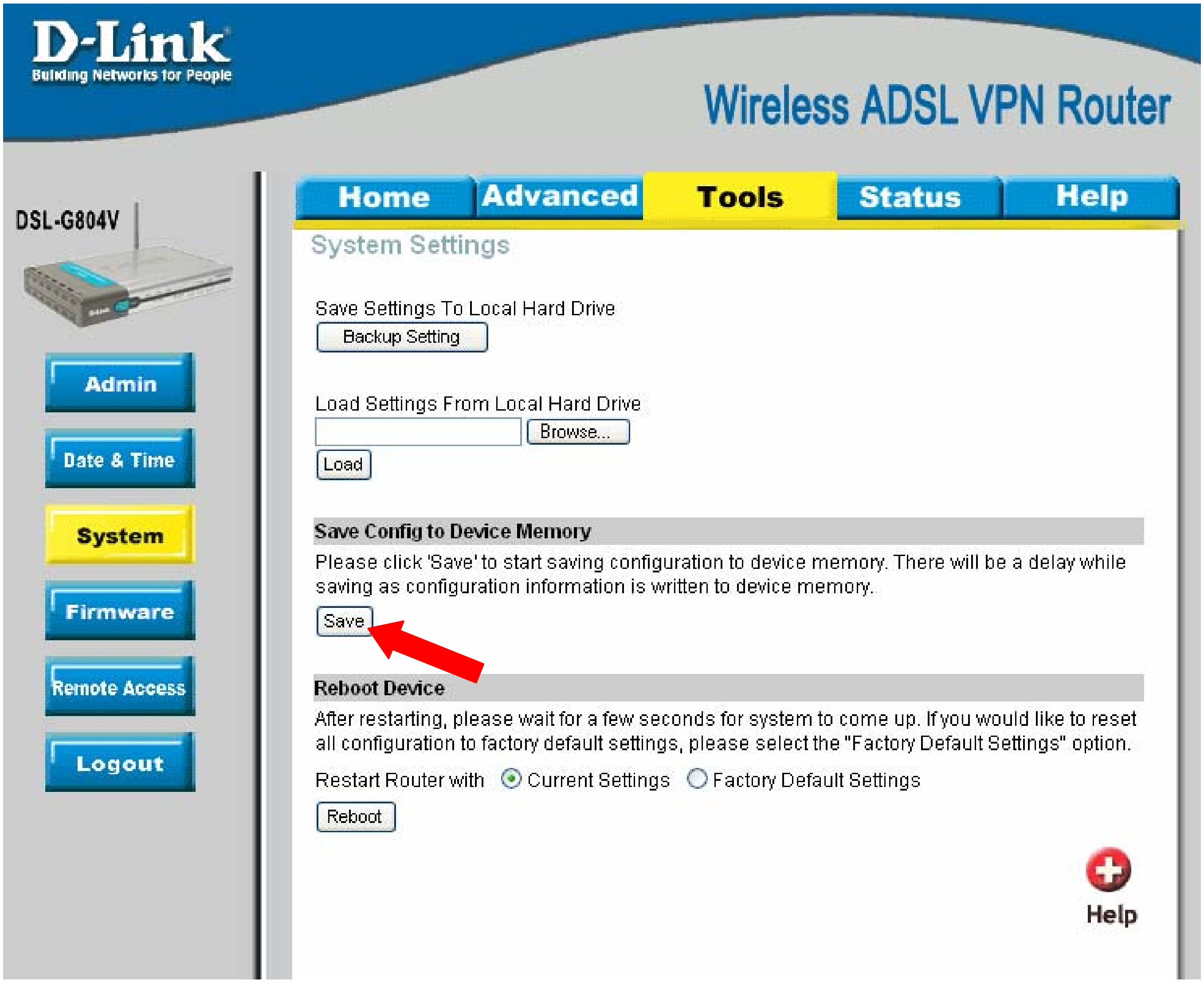
Encryption Setting

Data Encryption	Enable
Key Length	128 bits

VPN/PPTP List

Name	Connection Type	Service Type	Status	Enable	

Step 5. Click on **Tools** at the top, **System** on the left side. Click on the **Save** button to permanently save the changes to device memory.



System Settings

Save Settings To Local Hard Drive

Backup Setting

Load Settings From Local Hard Drive

Browse...

Load

Save Config to Device Memory

Please click 'Save' to start saving configuration to device memory. There will be a delay while saving as configuration information is written to device memory.

Save

Reboot Device

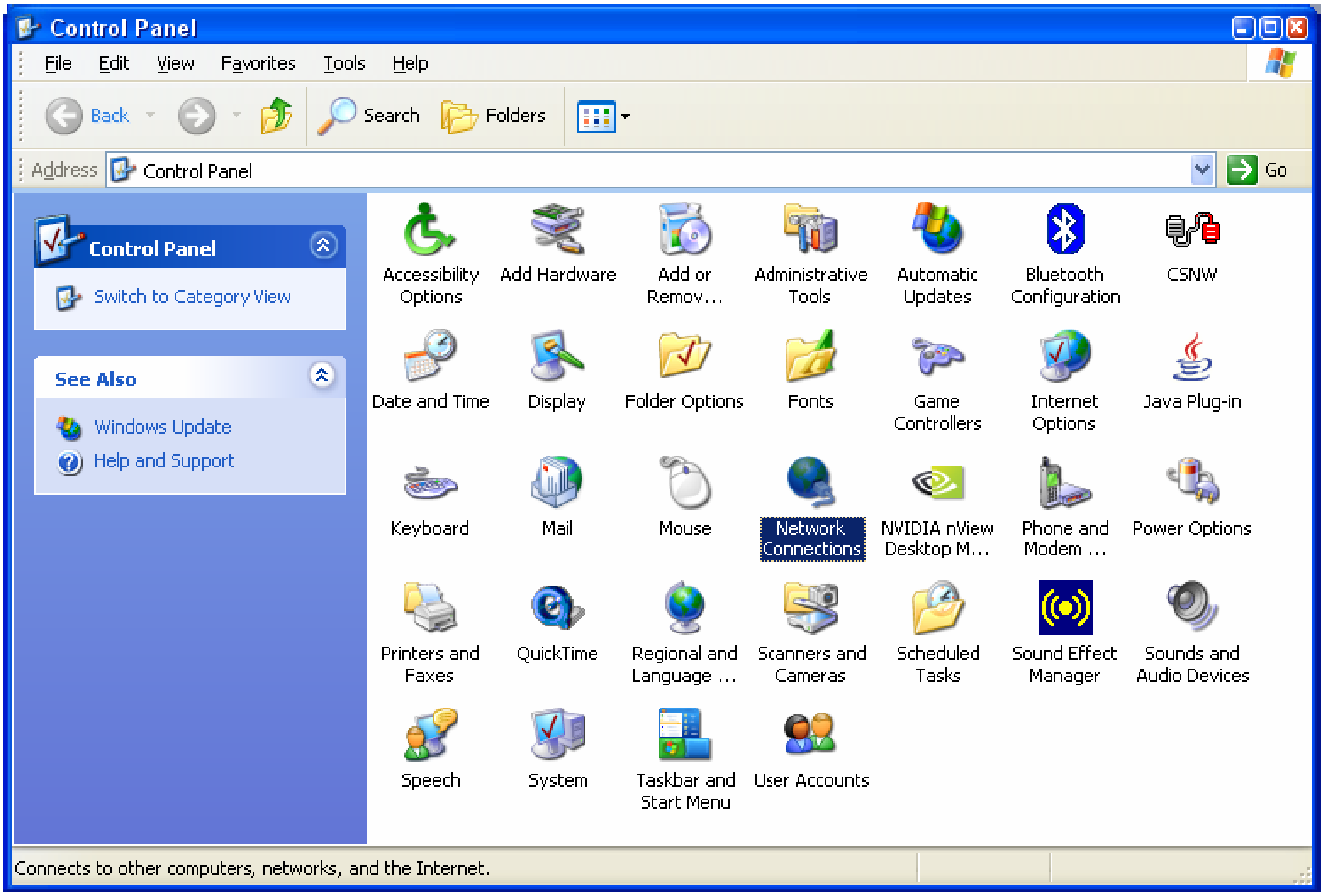
After restarting, please wait for a few seconds for system to come up. If you would like to reset all configuration to factory default settings, please select the "Factory Default Settings" option.

Restart Router with ● Current Settings ○ Factory Default Settings

Reboot

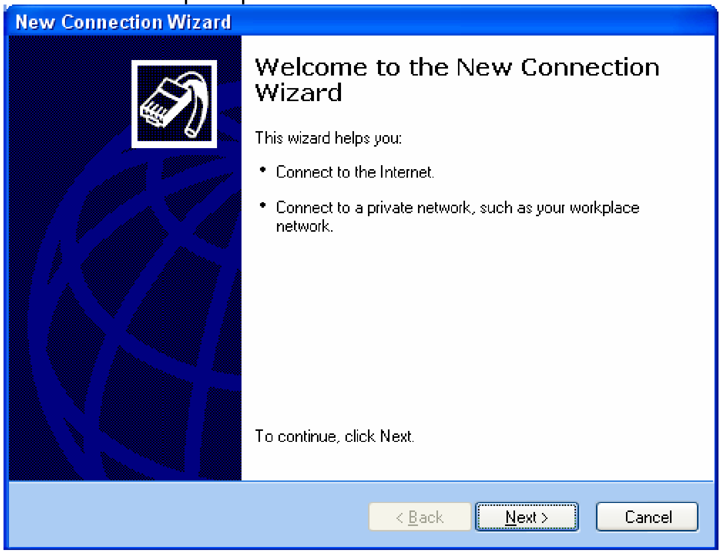
Windows PPTP Client Setup

To setup your remote client for PPTP VPN connection you can use Windows built-in PPTP client. We will use Windows XP as an example.
Go to Start > Control Panel > Network Connections.



Connects to other computers, networks, and the Internet.

Click on Create New Connection. Follow the prompts in the New Connection Wizard.



New Connection Wizard

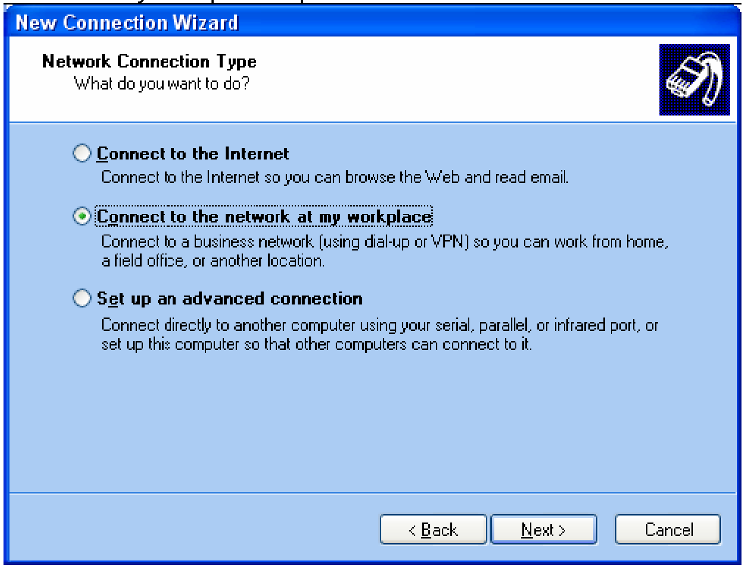
Welcome to the New Connection Wizard

This wizard helps you:

- Connect to the Internet.
- Connect to a private network, such as your workplace network.

To continue, click Next.

Select the “Connect to the network at my workplace” option. Click Next.



New Connection Wizard

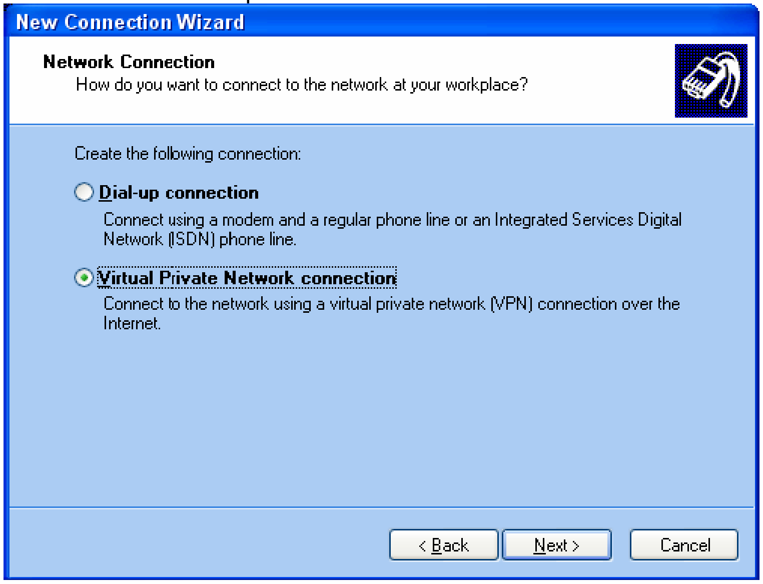
Network Connection Type
What do you want to do?

○ **Connect to the Internet**
Connect to the Internet so you can browse the Web and read email.

● **Connect to the network at my workplace**
Connect to a business network (using dial-up or VPN) so you can work from home, a field office, or another location.

○ **Set up an advanced connection**
Connect directly to another computer using your serial, parallel, or infrared port, or set up this computer so that other computers can connect to it.

Select the “Virtual Private Network connection” option. Click Next.



New Connection Wizard

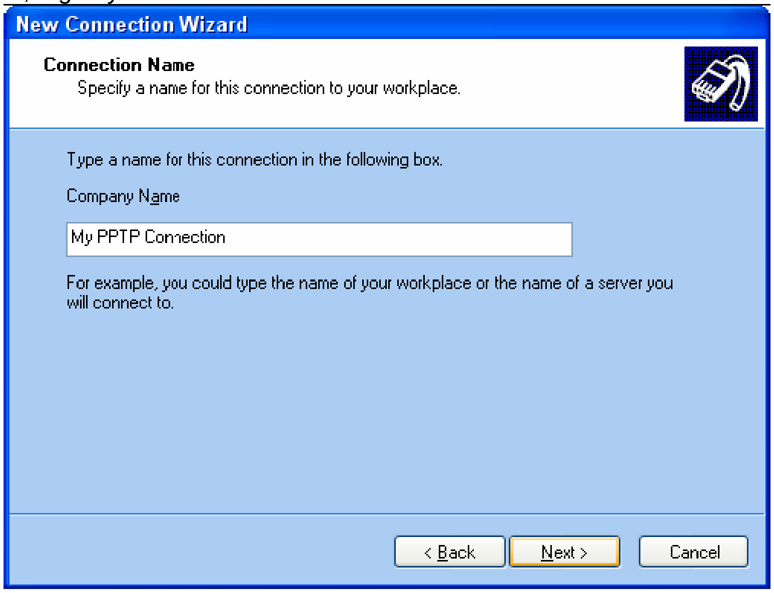
Network Connection
How do you want to connect to the network at your workplace?

Create the following connection:

○ **Dial-up connection**
Connect using a modem and a regular phone line or an Integrated Services Digital Network (ISDN) phone line.

● **Virtual Private Network connection**
Connect to the network using a virtual private network (VPN) connection over the Internet.

Give the connection a name, e.g. My PPTP Connection. Click Next.



New Connection Wizard

Connection Name

Specify a name for this connection to your workplace.

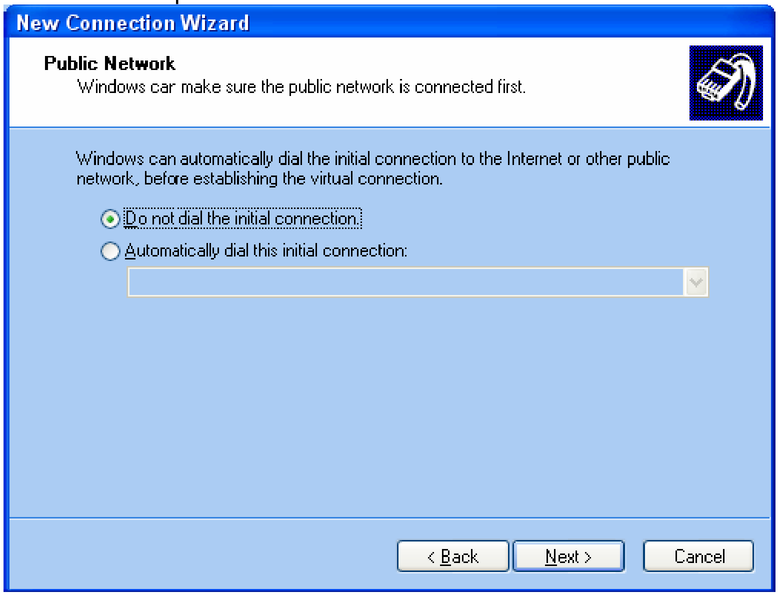
Type a name for this connection in the following box.

Company Name

My PPTP Connection

For example, you could type the name of your workplace or the name of a server you will connect to.

Select “Do not dial the initial connection option”. Click Next.



New Connection Wizard

Public Network

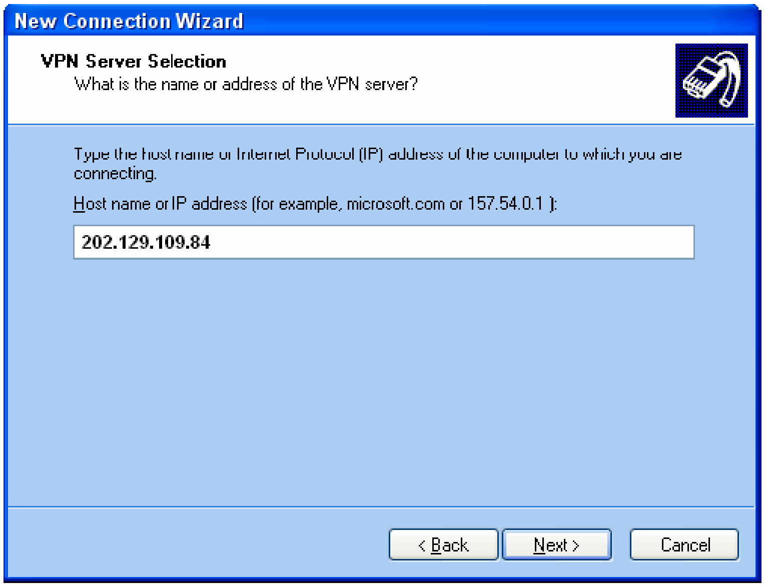
Windows can make sure the public network is connected first.

Windows can automatically dial the initial connection to the Internet or other public network, before establishing the virtual connection.

● Do not dial the initial connection.

○ Automatically dial this initial connection:

On the VPN Server Selection page under “Host name or IP address” enter the public IP address that the remote VPN Firewall is getting from the ISP. If you have got a router or a modem with NAT in front of the VPN firewall, use the public IP address on the modem’s WAN port. Note that the router/modem will need to support VPN passthrough.
Click Next.



New Connection Wizard

VPN Server Selection
What is the name or address of the VPN server?

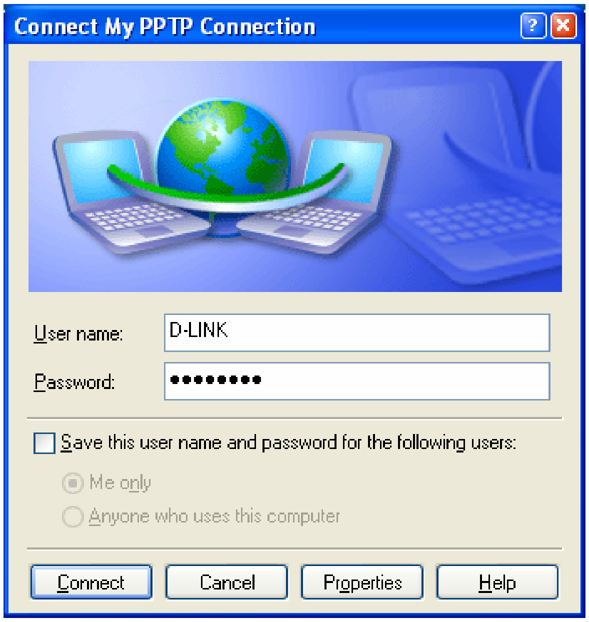
Type the host name or Internet Protocol (IP) address of the computer to which you are connecting.

Host name or IP address (for example, microsoft.com or 157.54.0.1): 202.129.109.84

Continue with the Connection Wizard and click on Finish when done.

To establish a VPN connection: make sure you have access to the Internet. Make sure the modem or the router you are using to connect to the Internet supports VPN passthrough. Make sure that the range of IP addresses (subnet) you are using on this LAN is different from the range used on remote LAN (e.g. if remote LAN is using 192.168.1.x, you can not use 192.168.1.x on your LAN).

Double-click on the PPTP connection icon that you created earlier and enter the username and password as it was set in the VPN Firewall (see Step 4 of the router Setup).
Click on Connect. After verifying username and password your computer should establish a PPTP connection.



Connect My PPTP Connection

User name: D-LINK

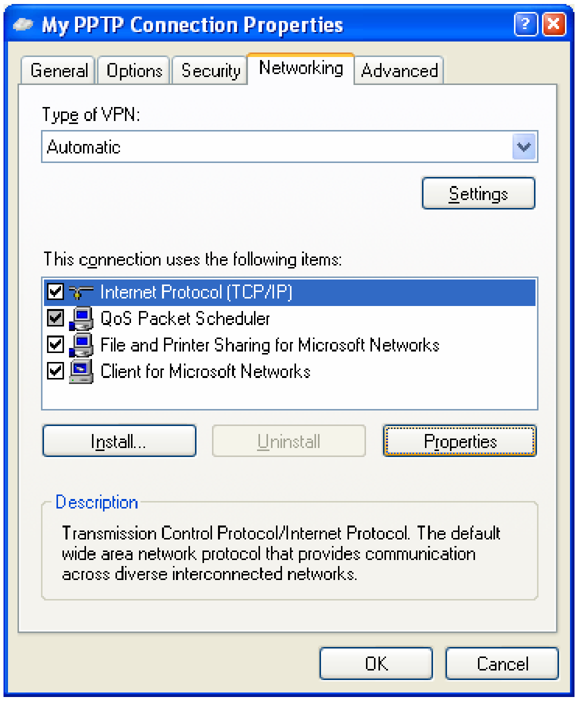
Password: ●●●●●●●●●

☐ Save this user name and password for the following users:

● Me only

○ Anyone who uses this computer

Please note that with its default settings a PPTP connection in Windows is used as remote gateway for all traffic. Hence you may lose the ability to browse the Internet sites when the PPTP connection is established. To avoid this problem do the following:
Open your PPTP connection dialog. Click on the Properties button. Select the Networking tab.



Type of VPN: Automatic

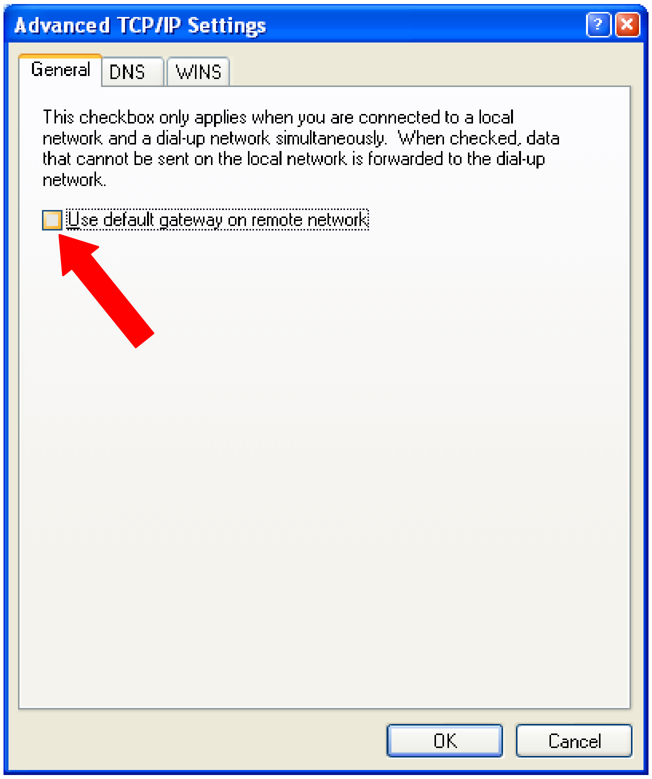
This connection uses the following items:

- ☑ Internet Protocol (TCP/IP)
- ☑ QoS Packet Scheduler
- ☑ File and Printer Sharing for Microsoft Networks
- ☑ Client for Microsoft Networks

Description

Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.

Highlight the Internet Protocol (TCP/IP) and click on Properties. Then click on the Advanced… button.
Deselect the “Use default gateway on remote network” option. Click on OK in each window to apply the setting.
Reconnect your PPTP connection.

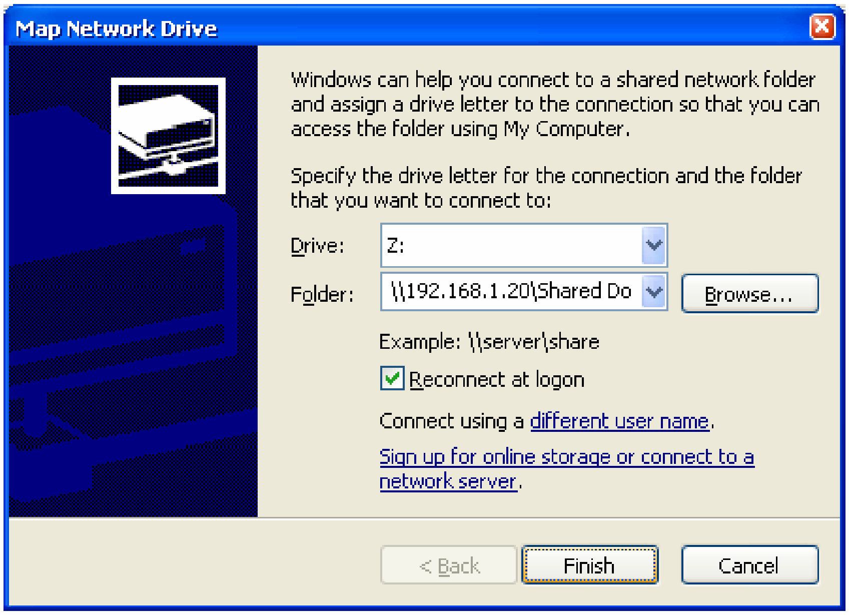


This checkbox only applies when you are connected to a local network and a dial-up network simultaneously. When checked, data that cannot be sent on the local network is forwarded to the dial-up network.

☐ Use default gateway on remote network

Notes

In order to connect to shared resources via a VPN tunnel you can map remote computers' drives and folders by opening Windows Explorer and going to Tools > Map Network Drive (you need to specify the IP address of the computer on remote network and the name of the shared folder):



Map Network Drive

Windows can help you connect to a shared network folder and assign a drive letter to the connection so that you can access the folder using My Computer.

Specify the drive letter for the connection and the folder that you want to connect to:

Drive: Z:

Folder: \\192.168.1.20\Shared Do

Example: \\server\share

☑ Reconnect at logon

Connect using a different user name.

Sign up for online storage or connect to a network server.

Alternatively you can do Search > Computers or People > Computer on Network > specify the IP address of the computer you are trying to connect to.

If you do not see computers in My Network Places or My Network Neighbourhood you may need to enable NetBIOS over TCP/IP in Windows.

Note that firewall/antivirus software installed on your or remote computer may stop you from accessing remote network.