

# How Edimax VPN router helps the mobile workers to access the servers located in the enterprise in ten minutes?

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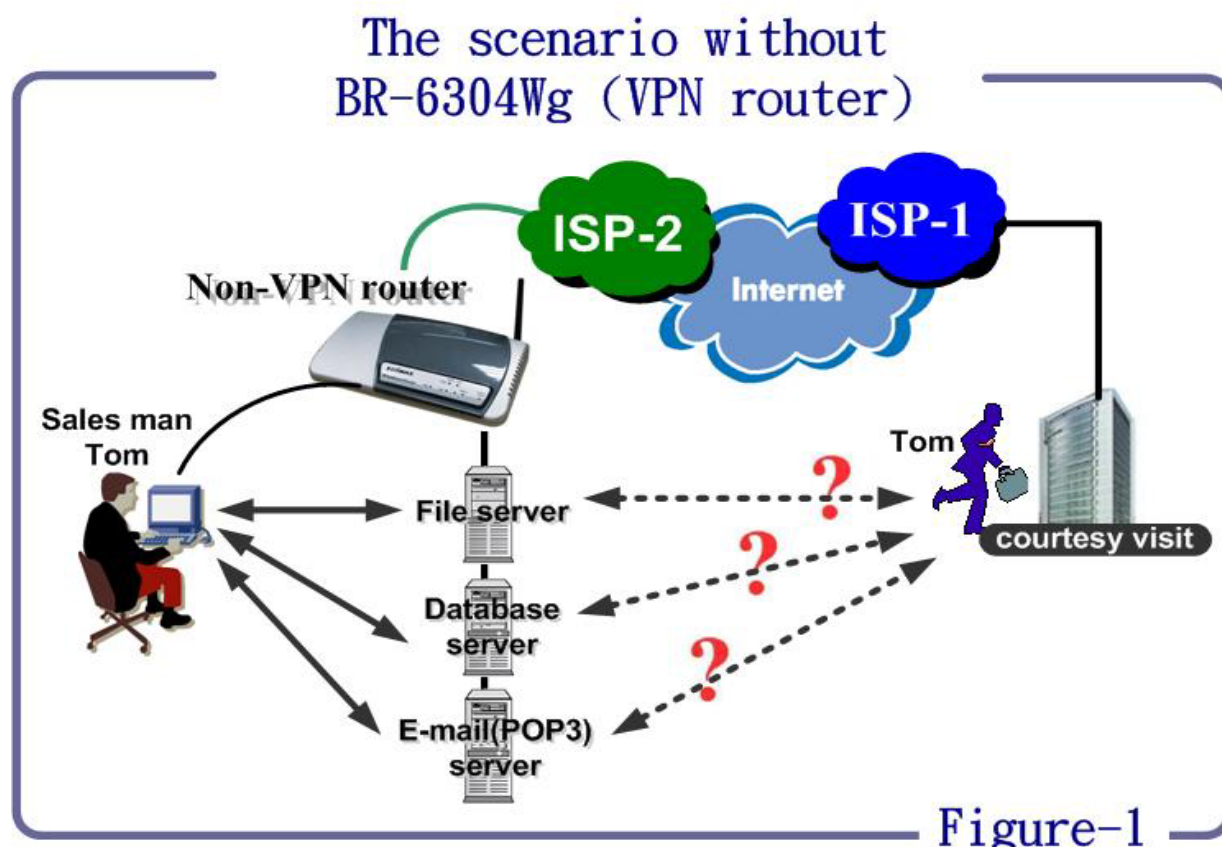
This FAQ is applied to the Edimax model and operation systems:

BR-6304Wg and Windows 2000/XP only.

## 1. Introduction:

For many small companies, the costs associated with deploying a VPN (virtual private network) network for helping the mobile workers to make the most use of the server resources of the company, like checking the inventory in the database, copying files in the file server or sending e-mails via Microsoft outlook is not affordable and the deployment is difficult to be achieved without outsourcing.

Fortunately, the Edimax VPN router (BR-6304Wg) offers economic and user-friendly solution to deploy a small-size VPN network in ten minutes. We'll detail how VPN help mobile workers to access the servers located in the company easily and securely, and how to configure the BR-6304Wg to form a small-size VPN network.



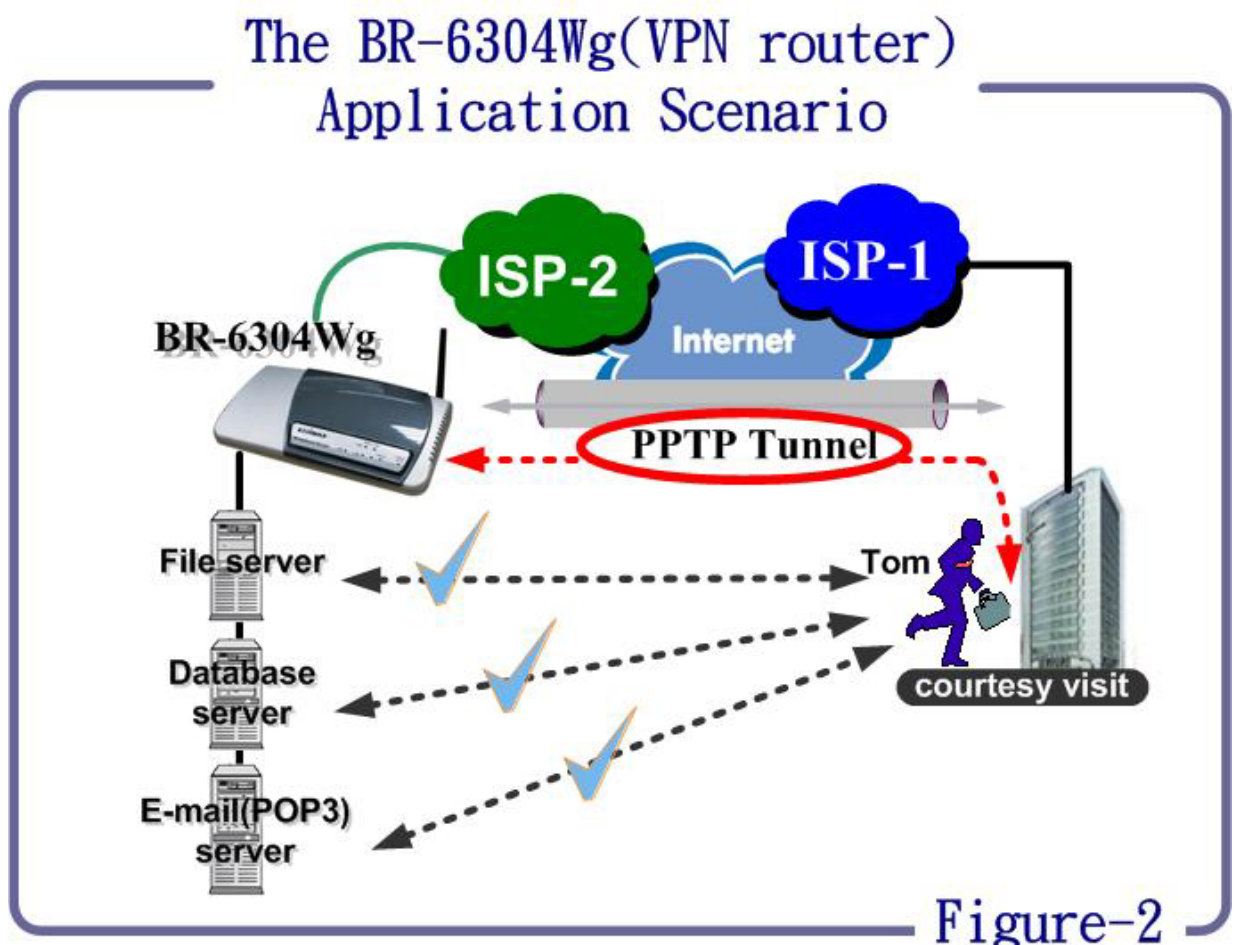
Let say, you have an employee serving as a sales person, whose name is

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Tom. Tom takes inventory for ensuring whether the purchase order can be accepted using the inventory application. Also, he searches the files saved in the file server. Then, Tom downloads all the e-mails from the mail server to his PC and replies them with the Microsoft outlook. All these routine jobs can only be done when Tom is in the office. What if Tom visits his client outside the office? Without VPN network, He can not take inventory, neither can he copy the files in the file server or send e-mails via the outlook, as he does in the office. (as illustrated in the figure-1)

Without VPN network, your sales persons are required to call his/her sales assistant in the office to do these jobs.

However, with VPN network, your sales persons can do all these routine jobs personally and securely. (as illustrated in the figure-2)



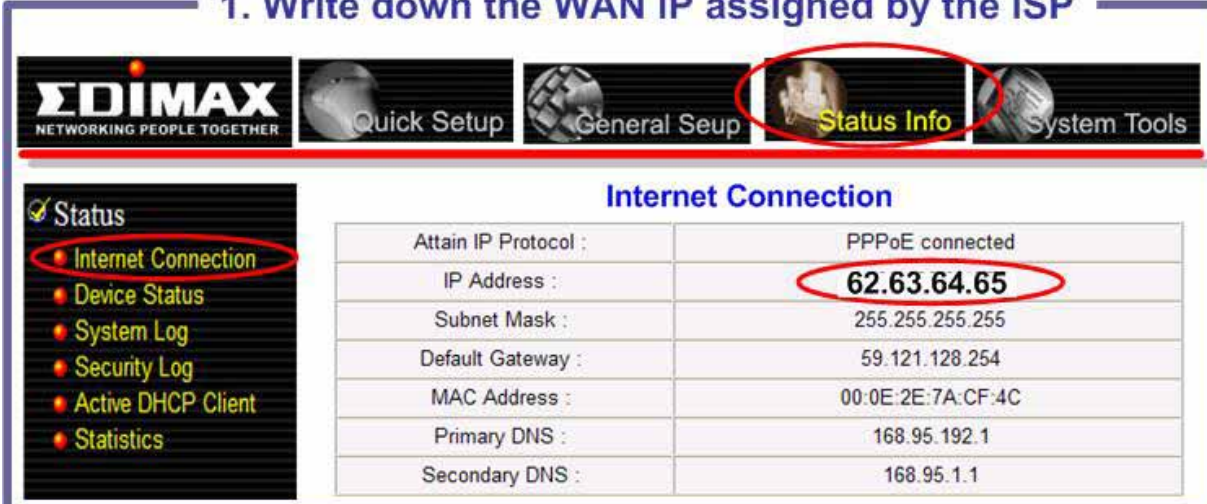
To achieve the above-mentioned goal for Tom to access the server resources outside the office, you must complete both the configuration in the BR-6304Wg and the laptop PC for Tom.

## **2. Configuration in the router for this VPN deployment.**

Presumably, your office has deployed a BR-6304Wg with a public WAN IP, 62.63.64.65, and you'd like to allow Tom to use the VPN network.

The followings are the steps in the BR-6304Wg.

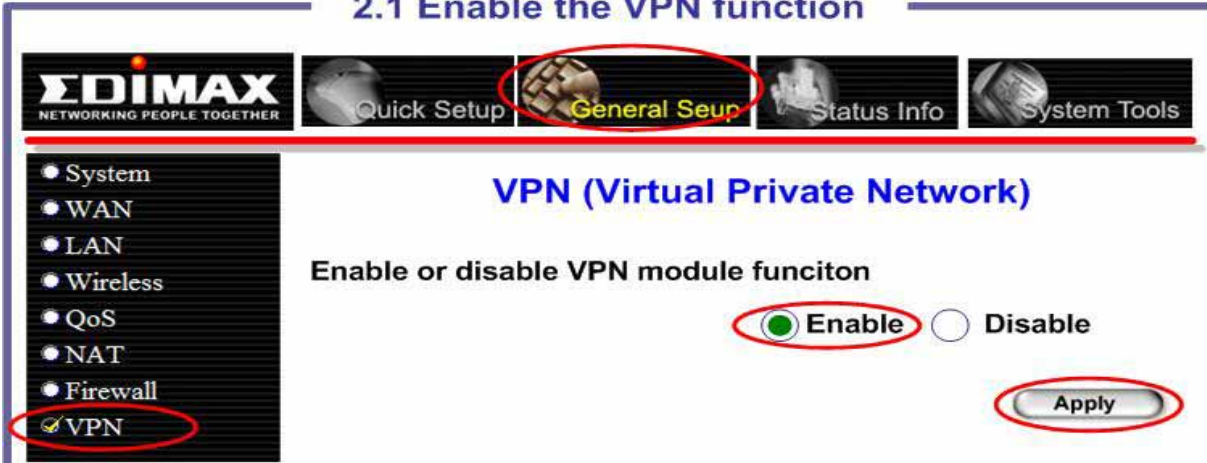
### 1. Write down the WAN IP assigned by the ISP



Internet Connection	
Attain IP Protocol :	PPPoE connected
IP Address :	<b>62.63.64.65</b>
Subnet Mask :	255.255.255.255
Default Gateway :	59.121.128.254
MAC Address :	00:0E:2E:7A:CF:4C
Primary DNS :	168.95.192.1
Secondary DNS :	168.95.1.1

### 2. Create the VPN account in the router

#### 2.1 Enable the VPN function



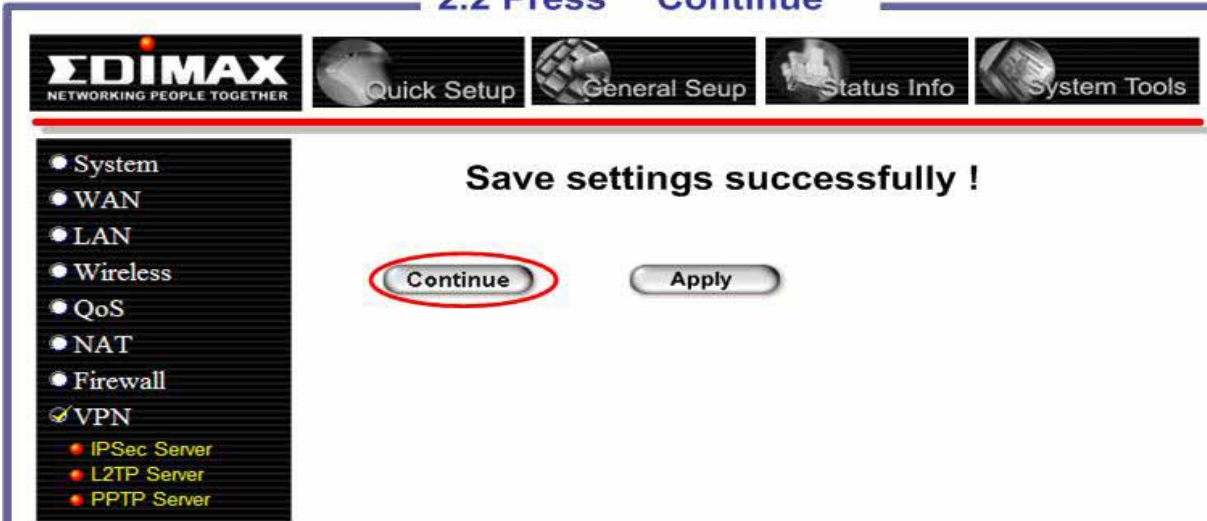
**VPN (Virtual Private Network)**

Enable or disable VPN module function

**Enable**  Disable

**Apply**

#### 2.2 Press "Continue"



**Save settings successfully !**

**Continue** **Apply**

## 2.3 Create PPTP user account in the “PPTP server”

### PPTP settings

You can enable Broadband router PPTP server to provide Remote-access VPN service

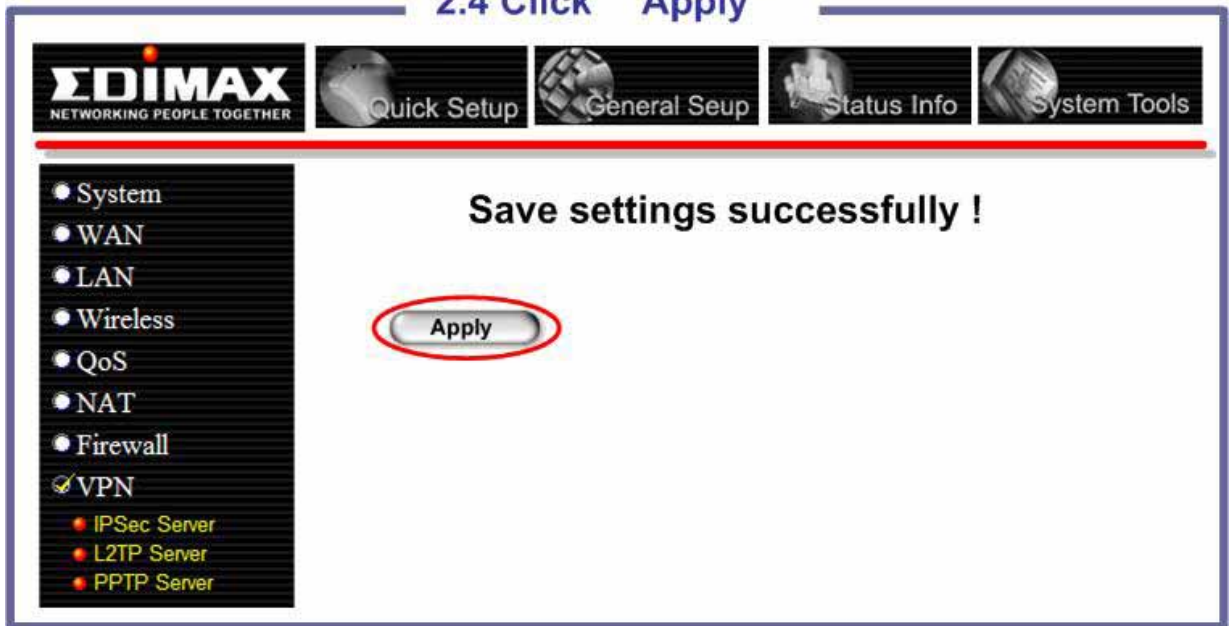
The screenshot shows the PPTP settings configuration page. It includes a checkbox for 'Enable PPTP Server' (1), a 'Server IP Address' field with '192.168.2.1' (2), a 'Client IP Pool' field with '192.168.2.10 ~ 192.168.2.20' (3), 'Authentication' options with 'MS-CHAP' selected (4), and 'Encryption' options with 'MPPE' selected (4). Below is a 'VPN Users' table with columns for ID, User Name, and Password. The first row contains '1', 'tom', and a masked password (5). An 'Apply' button is circled at the bottom right (6).

ID	User Name	Password
1	tom	●●●●
2		
3		
4		
5		
6		
7		
8		
9		
10		

- 1 Enable the PPTP server.
- 2 Enter the LAN IP of the BR-6304Wg
- 3 Allocate the IP range to the VPN access user
- 4 Enable the “MS-CHAP” and “MPPE” .
- 5 Create the VPN user name and password
- 6 Click “Apply”



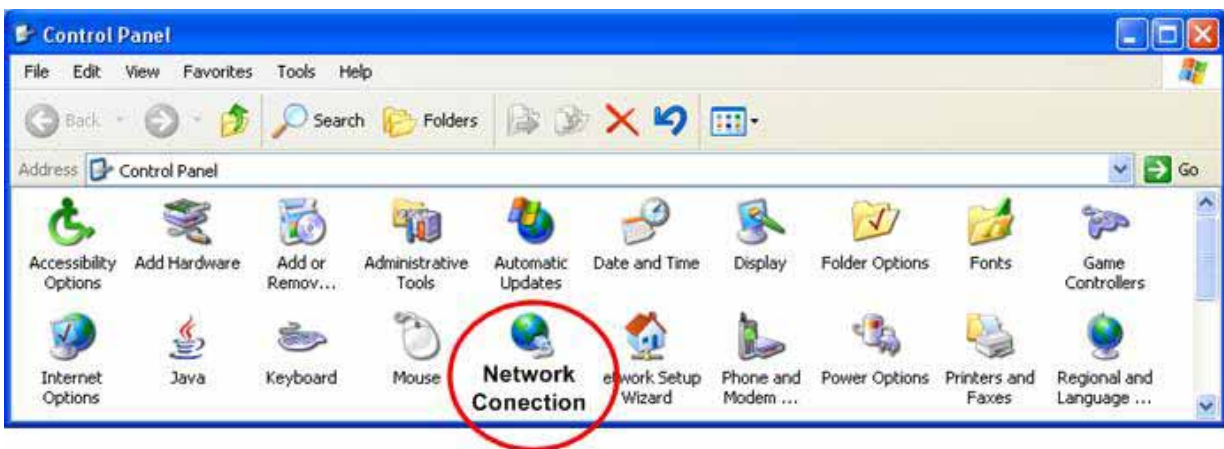
## 2.4 Click “Apply”



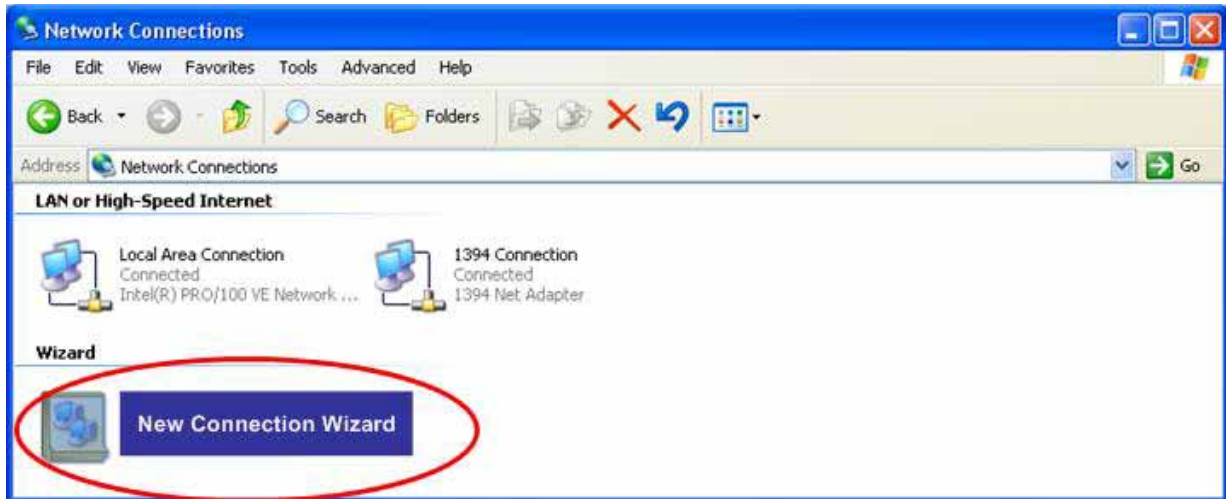
## 3. Configuration in the Windows XP.

Followings are the steps in the Windows XP of Tom's PC.

### 3.1 Click the “Network Connection” in the “Control Panel”



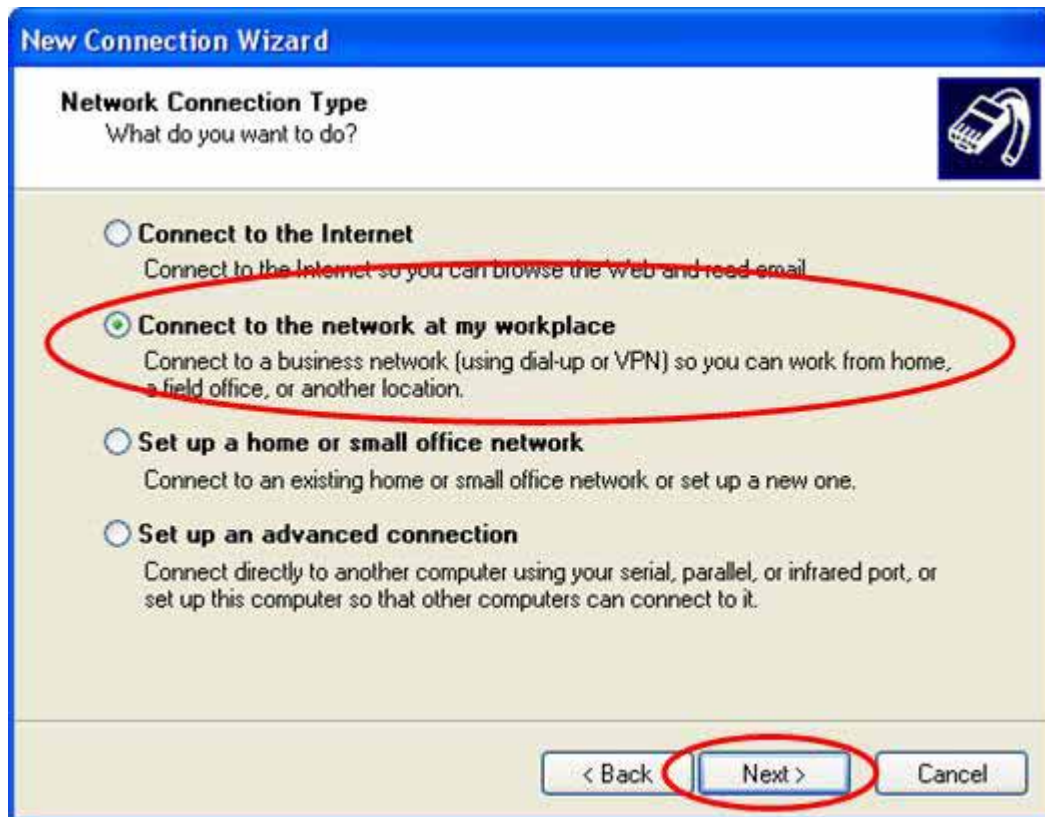
### 3.2 Click the “New Connection Wizard”.



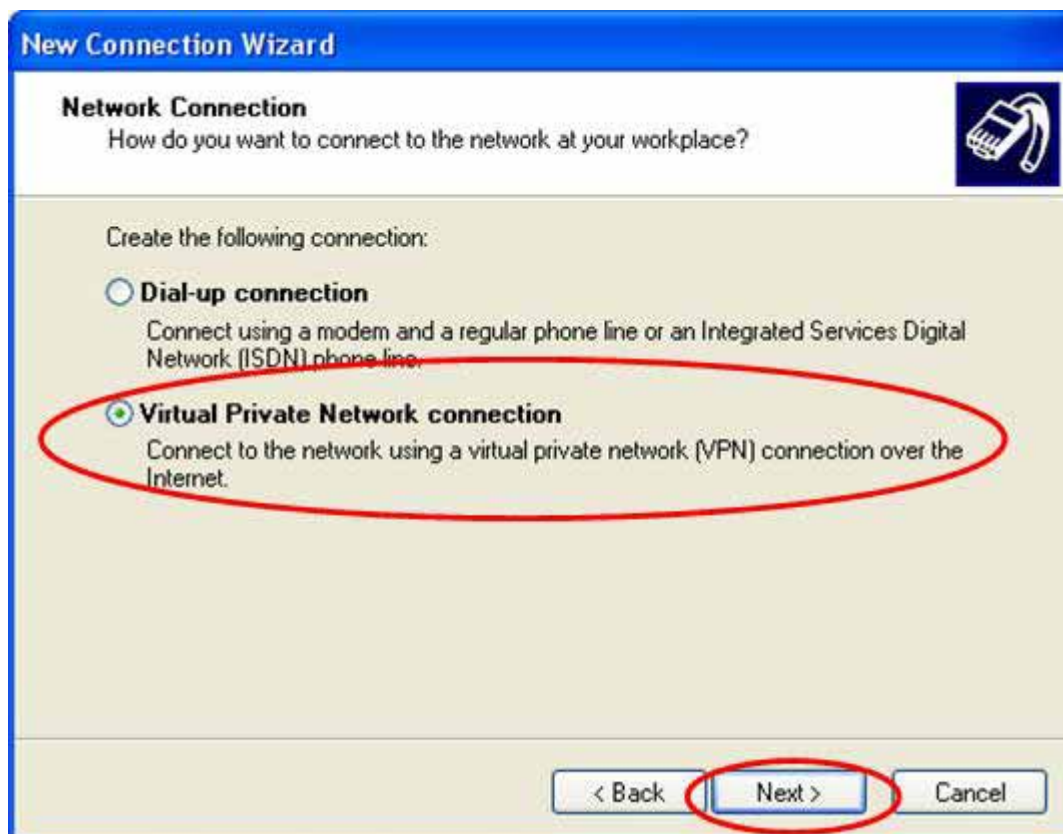
**3.3 Click “Next”.**



**3.4 Pick “Connect to the network at my workplace”.**



### 3.5 Click “Virtual Private Network connection”.



### 3.6 Enter your preferred name.



**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

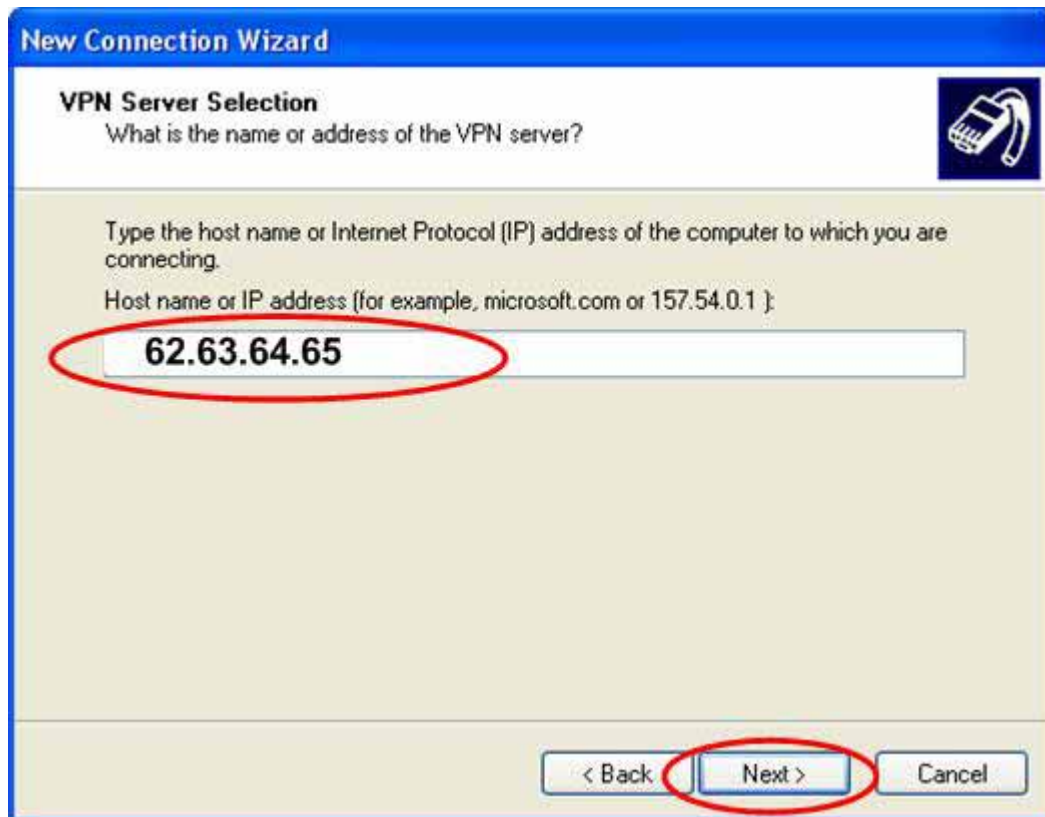
**XXX Company VPN**

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

< Back   **Next >**   Cancel

### 3.7 Enter the public WAN IP of your BR-6304Wg.





### 3.8 Click “Finished”



### 3.9 Enter the user name and password required by the BR-6304Wg.



#### 4. Conclusion

At this stage, Tom can access the Internet in the client's office while also use the server resources located in the company's office. Everytime when Tom'd like to do this outside the office at the Café resturstant or at home, all he needs to do is to click the icon of "XXX Company VPN Network" after gaining Internet access.

