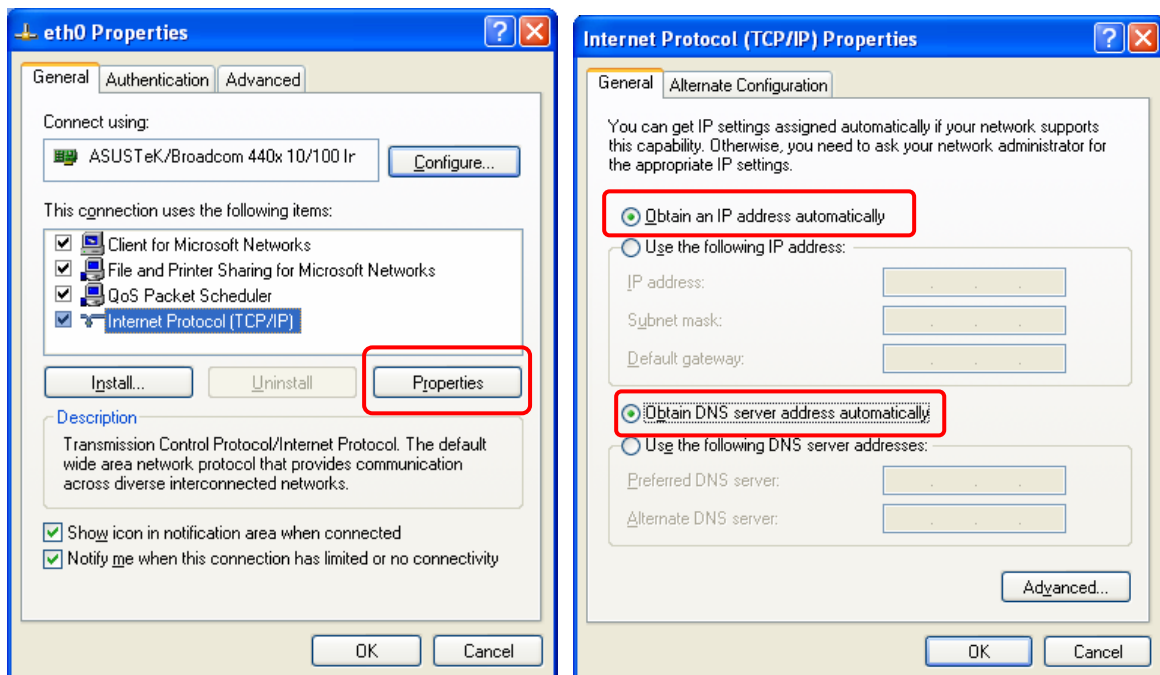


True IP for DMZ Host - Static/DHCP IP Address for WAN

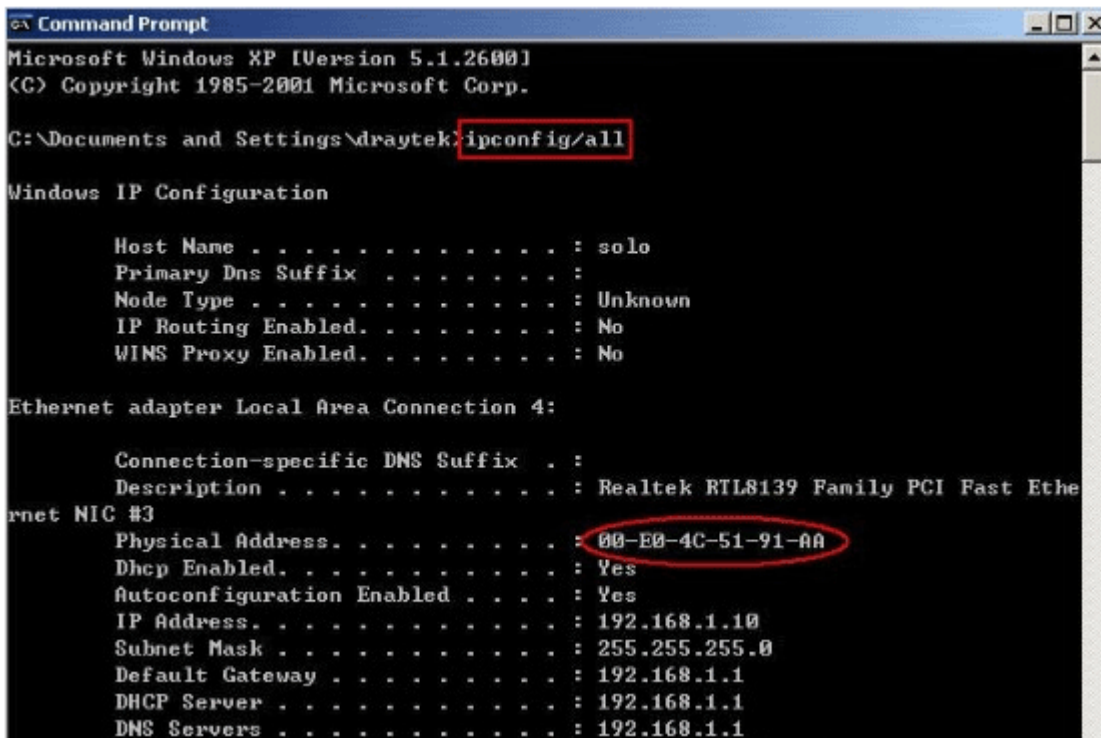
Suppose Vigor2920 uses Static or DHCP IP address. A user behind the Vigor2920 wants to make a L2TP over IPSec VPN connection to the office. As the incompatibilities between NAT and IPSec, L2TP over IPSec VPN can pass through the NAT (suppose both VPN client and VPN server don't support NAT-Traversal). With the True-IP DMZ function, this PC can be assigned with a public IP address. Then it can establish a L2TP over IPSec VPN connection with the office.

I. Setup True IP DMZ host

The True IP DMZ host must get its IP via DHCP client. The Vigor router will check the source MAC address of the DHCP requests to identify the True IP DMZ. Here we take Windows XP for example. Select the TCP/IP protocol as shown below and click on **Properties** and then check that **Obtain IP address automatically** & **Obtain DNS server address automatically** are both selected.



Open the **Command Prompt** from **Start > All Programs > Accessories** and type the command `ipconfig/all`. Record the Physical Address, 00-E0-4C-51-91-AA.



Note: You will find that at present this PC has obtained a private IP address from Vigor2920 DHCP Server.

II. Setup WAN connection in Vigor2920

1. Access into the WUI of Vigor2920.
2. Open **WAN>> Internet Access** and choose **Static or Dynamic IP** mode.

WAN >> Internet Access

Internet Access			
Index	Display Name	Physical Mode	Access Mode
WAN1		Ethernet	Static or Dynamic IP <input type="button" value="Details Page"/>
WAN2		3G USB Modem	None <input type="button" value="Details Page"/>

3. Click **Details Page** to open the following page.

WAN 1

<p>Static or Dynamic IP (DHCP Client)</p> <p><input checked="" type="radio"/> Enable <input type="radio"/> Disable</p>	<p>WAN IP Network Settings WAN IP Alias</p> <p><input type="radio"/> Obtain an IP address automatically</p> <p>Router Name <input type="text"/> *</p> <p>Domain Name <input type="text"/> *</p> <p>* : Required for some ISPs</p> <p><input checked="" type="radio"/> Specify an IP address</p> <p>IP Address <input type="text" value="202.211.100.20"/></p> <p>Subnet Mask <input type="text" value="255.255.255.0"/></p> <p>Gateway IP Address <input type="text" value="202.211.100.1"/></p> <p>DNS Server IP Address</p> <p>Primary IP Address <input type="text" value="168.95.1.1"/></p> <p>Secondary IP Address <input type="text"/></p>
<p>Keep WAN Connection</p> <p><input type="checkbox"/> Enable PING to keep alive</p> <p>PING to the IP <input type="text"/></p> <p>PING Interval <input type="text" value="0"/> minute(s)</p>	<p><input type="radio"/> Default MAC Address</p> <p><input checked="" type="radio"/> Specify a MAC Address</p> <p>MAC Address:</p> <p><input type="text" value="00"/> <input type="text" value="50"/> <input type="text" value="7F"/> <input type="text" value="C2"/> <input type="text" value="7F"/> <input type="text" value="49"/></p>
<p>WAN Connection Detection</p> <p>Mode <input type="text" value="ARP Detect"/> ▼</p> <p>Ping IP <input type="text"/></p> <p>TTL: <input type="text"/></p>	
<p>MTU <input type="text" value="1442"/> (Max:1500)</p>	
<p>RIP Protocol</p> <p><input type="checkbox"/> Enable RIP</p>	

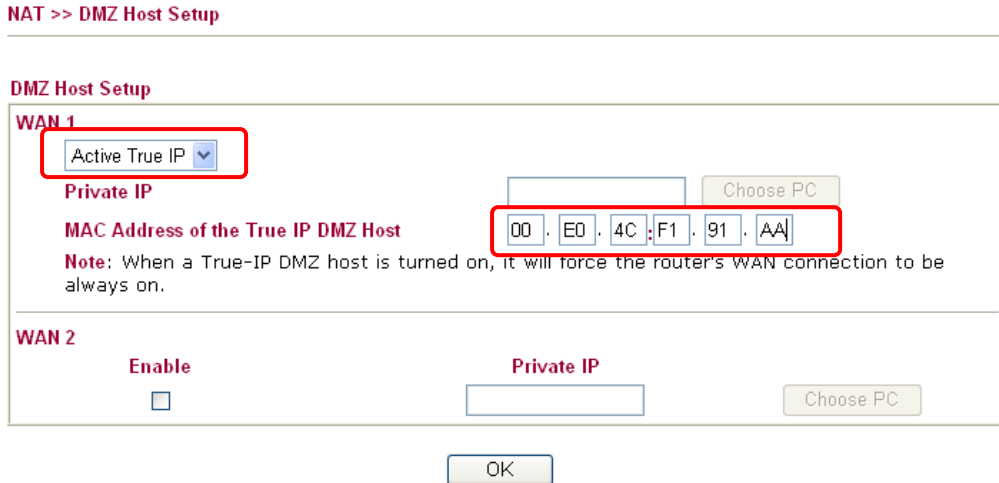
OK Cancel

4. Click **Enable**. If you have a static IP address, click **Specify an IP address**. Then fill in **IP Address**, **Subnet Mask** and **Gateway IP Address**. Remember to enter at least one DNS server IP address. If you use a dynamic IP address, just click **Obtain an IP address automatically**.
5. Press **OK** and wait for the router to reboot.

Note: Don't configure the WAN IP Alias. When the router is assigned with multiple WAN IPs, the True IP DMZ function will be automatically switched off.

III. Setup True IP DMZ in Vigor2920

1. Access into the WUI of Vigor2920.
2. Open NAT>>DMZ Host.



3. Select **Active True IP** from the pull-down menu.
4. Type the MAC address (e.g., 00-E0-4C-51-91-AA) of the DMZ host.
5. Press **OK** and wait for the router to reboot.

IV. Get the public IP

Open the **Command Prompt** from **Start > All Programs > Accessories** and type the command `ipconfig/release`, then `ipconfig/renew`. You will find that Vigor2920 assigns the WAN IP and associates default gateway to the True IP DMZ host. You can run `ping` to confirm if this PC can connect to the Internet.

```
C:\Documents and Settings\draytel>ipconfig/release
Windows IP Configuration

Ethernet adapter Local Area Connection 4:

    Connection-specific DNS Suffix  . : 
    IP Address. . . . . : 0.0.0.0
    Subnet Mask . . . . . : 0.0.0.0
    Default Gateway . . . . . : 

C:\Documents and Settings\draytel>ipconfig/renew
Windows IP Configuration

Ethernet adapter Local Area Connection 4:

    Connection-specific DNS Suffix  . : 
    IP Address. . . . . : 202.211.100.50
    Subnet Mask . . . . . : 255.255.255.255
    Default Gateway . . . . . : 202.211.100.1
```