

To connect an L2TP VPN, first go and create a User Account and User group (if preferred):

The screenshot shows the 'User Accounts' configuration page. On the left is a navigation menu with 'System Configuration' expanded and 'User Accounts' selected. The main content area is titled 'User Accounts' and contains two sections: 'Local Users Password Complexity' and 'Local Users'.

**Local Users Password Complexity**

Password Complexity Settings:  Enable

Minimal password length:  (Range: 0 - 127, Default: 8)

Minimal number of character classes:  (Range: 0 - 4, Default: 3)

The four classes are: upper case (ABCD...), lower case(abcd...), number (0-9), and special characters (~!@#\$%^&\*~). The new password must be different than the current one:  Enable

**Local Users**

**Local User Membership List**

<input type="checkbox"/>	#	User Name	Group *
<input type="checkbox"/>	1	Test	admin
<input type="checkbox"/>	2	cisco	admin
<input type="checkbox"/>	3	guest	guest

Buttons: Add, Edit, Delete, Import...

Then create an IPSec (Under VPN > IPSec Profiles) profile using these exact configurations:

The screenshot shows the 'Edit a New IPSec Profile' configuration page. The profile name is 'Test1' and the keying mode is 'Auto'.

**Phase I Options**

DH Group:

Encryption:

Authentication:

SA Lifetime:  sec (Range: 120 - 86400, Default: 28800)

Perfect Forward Secrecy:  Enable

**Phase II Options**

Protocol Selection:

Encryption:

Authentication:

SA Lifetime:  sec (Range: 120 - 28800, Default: 3600)

DH Group:

And enable the L2TP VPN choosing the created IPsec profile:

**L2TP Server**

L2TP Server:  On  Off

MTU:  bytes (Range: 128-1400, Default: 1400)

User Authentication:

<input type="checkbox"/>	Group Name
<input type="checkbox"/>	admin

Address Pool:

Start IP Address:

End IP Address:

DNS1 IP Address:

DNS2 IP Address:

IPSec:  On  Off

IPSec Profile:  ▼

Pre-shared Key:

Show plain text when edit:  Enable

On your Windows computer, create the new VPN connection and when is created, select Properties.

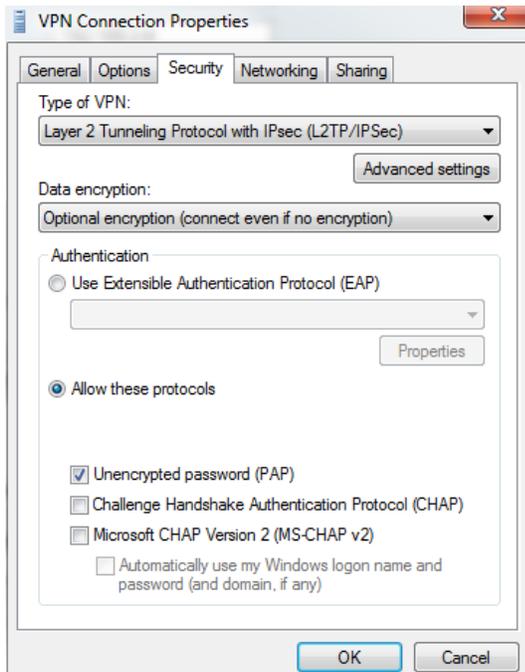
Put the public IP address of the router under General tab:

**VPN Connection Properties**

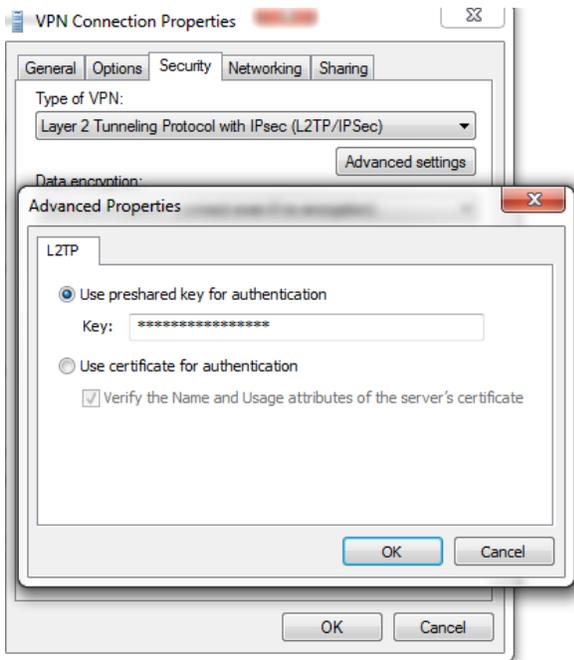
General Options Security Networking Sharing

Host name or IP address of destination (such as microsoft.com or 157.54.0.1 or 3ffe:1234::1111):

Under Security, select the following configuration:



And under Advanced Settings put the PreShared Key of the tunnel:



Then you can go ahead and put your user and password credentials created on the User Account tab on the router and it should connect:

