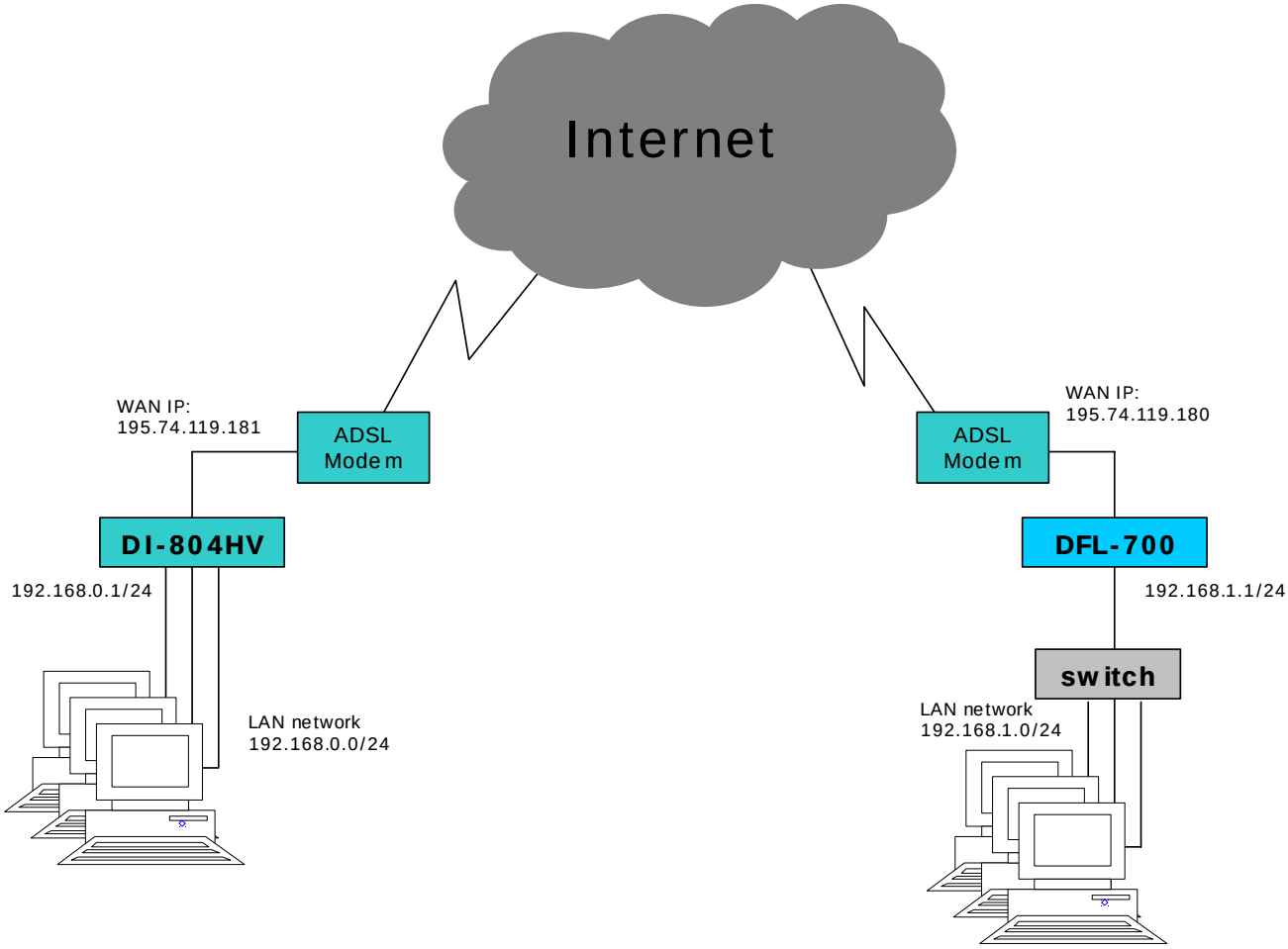
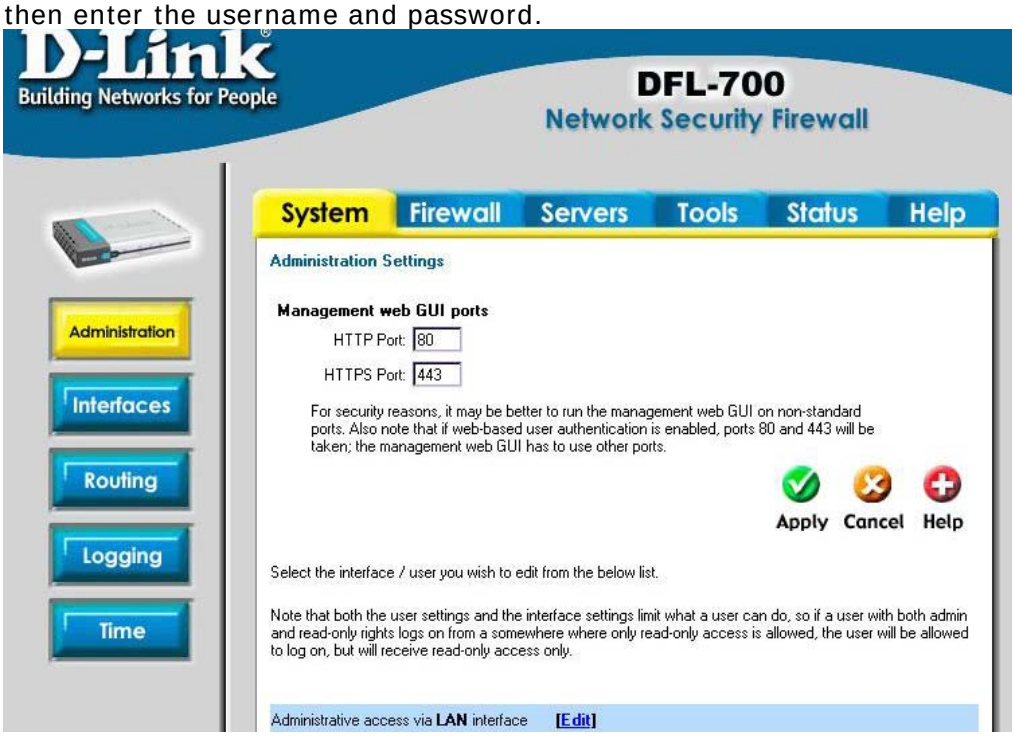
DFL-700 with DI-804HV IPsec VPN Configuration Guide

This configuration shows how to connect a DFL-700 to a DI-804HV with an IPsec tunnel. Please check the D-Link AUS FTP Site at ftp://202.129.109.68 for updates on the firmware.

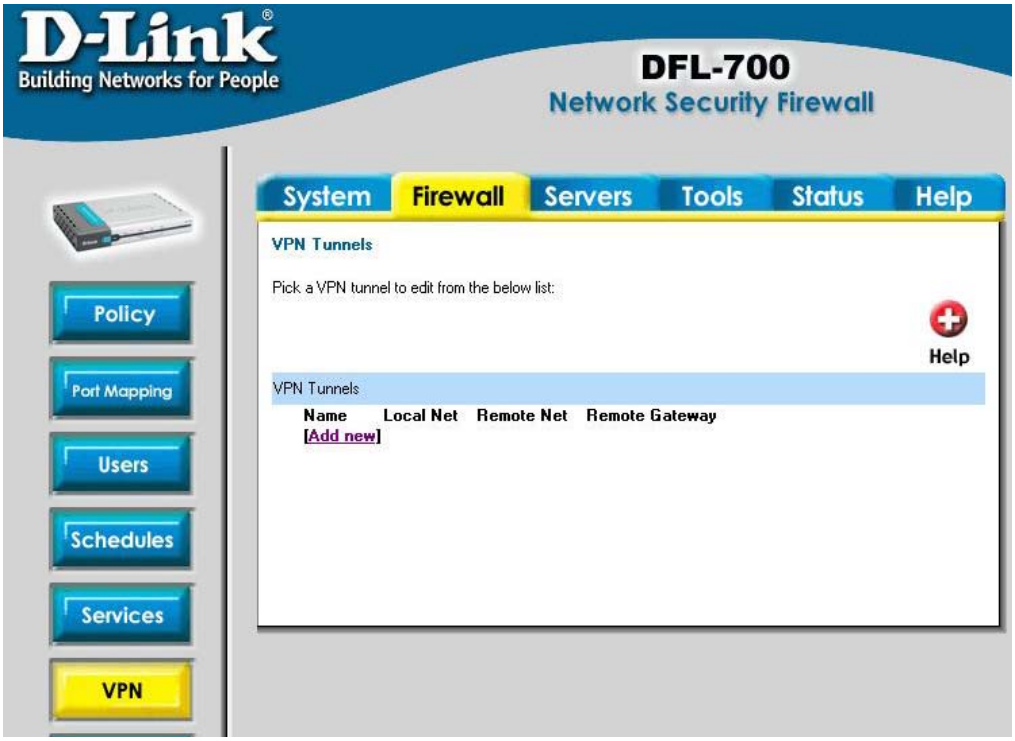


DFL-700 configuration

1) Log into the DFL-700 using its IP address (https://192.168.1.1 in this example) and then enter the username and password.



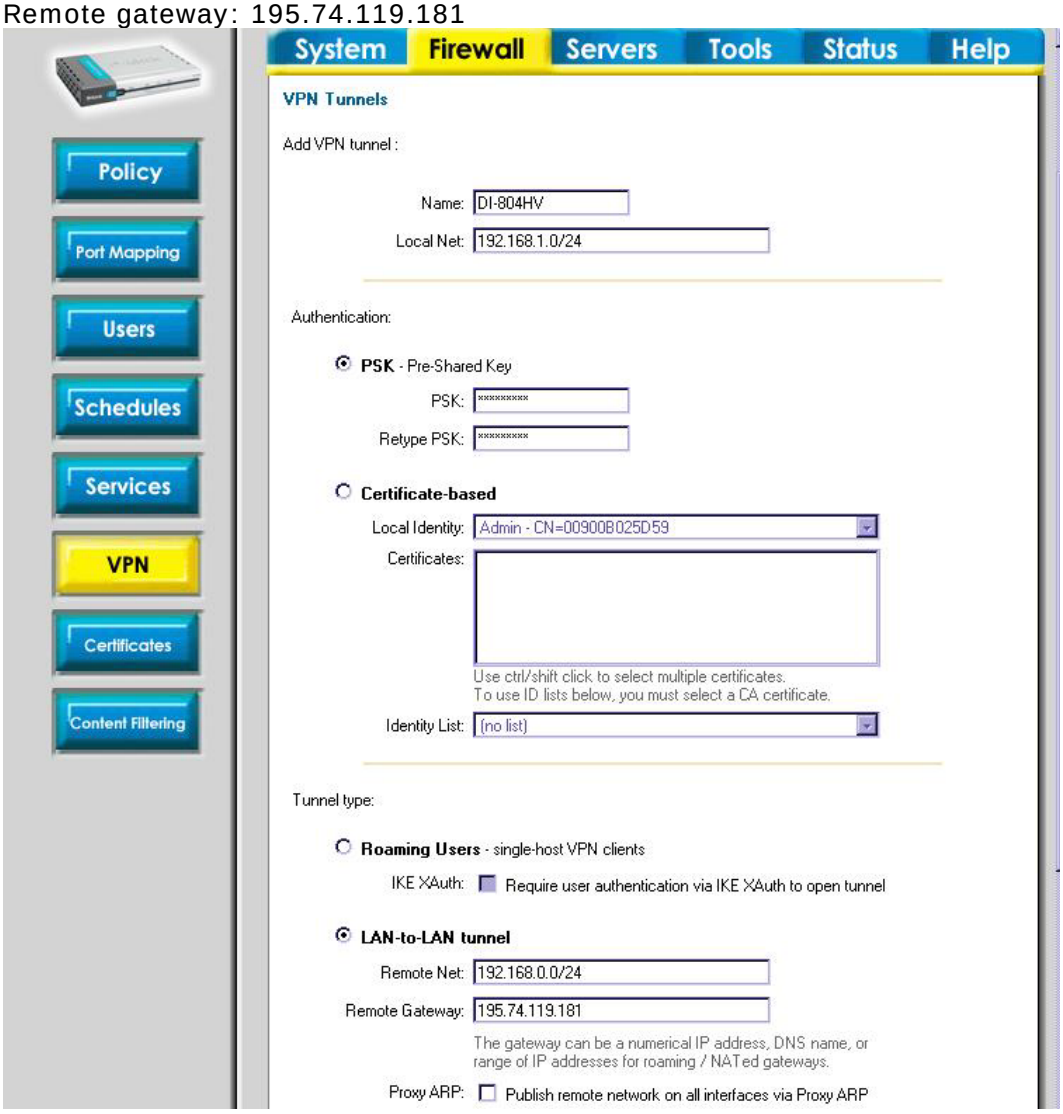
2) Click on **Firewall→ VPN**. Click on **Add New**.



3) Enter the details for the Tunnel.

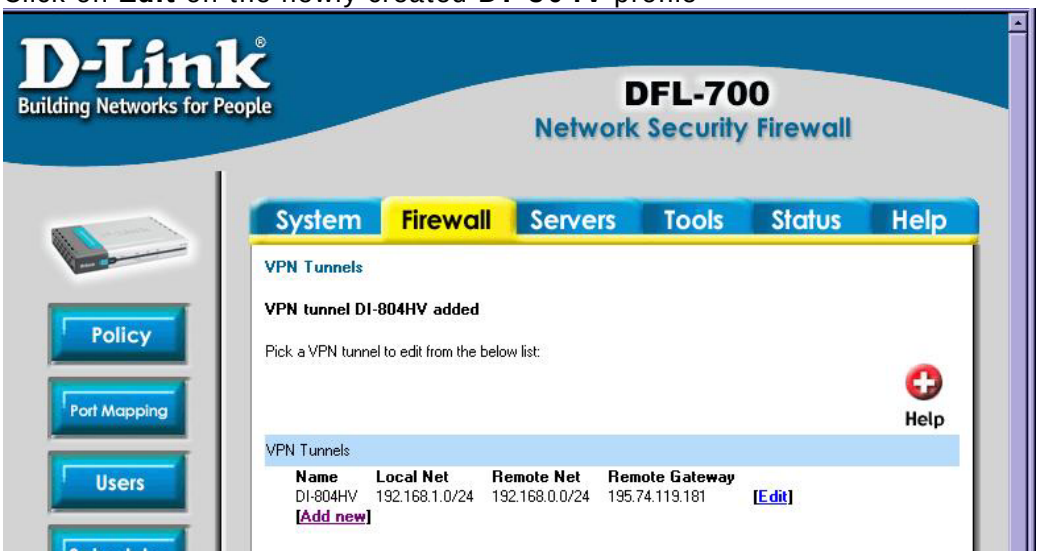
Name: DI-804HV
Local Net: 192.168.1.0/24
Authentication: PSK
Pre-shared key: dlinktest

LAN-to-LAN tunnel
Remote net: 192.168.0.0/24
Remote gateway: 195.74.119.181



Click on **Apply** when done.

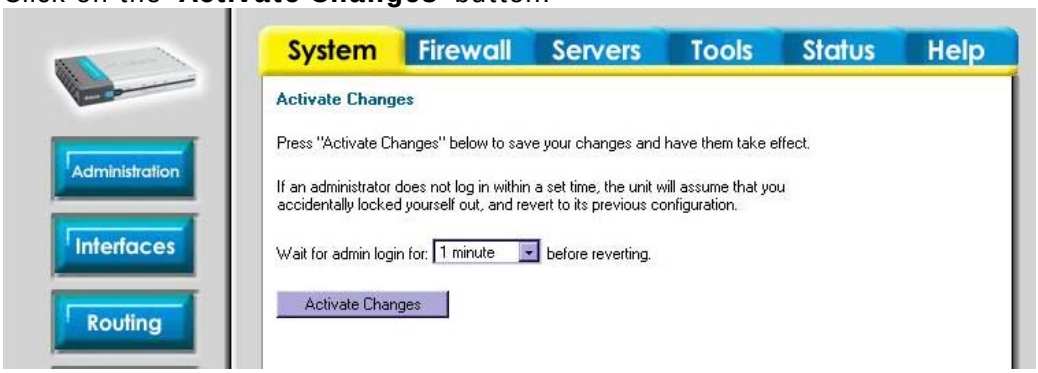
4) Click on **Edit** on the newly created **DI-804V** profile



5) Click on **Advanced**. Set IKE mode to 'Main Mode' (default), IKE DH Group '2 – modp 1024-bit'(default). Leave PFS unchecked. Set NAT traversal to 'Disabled'. Click on '**Apply**' when done.

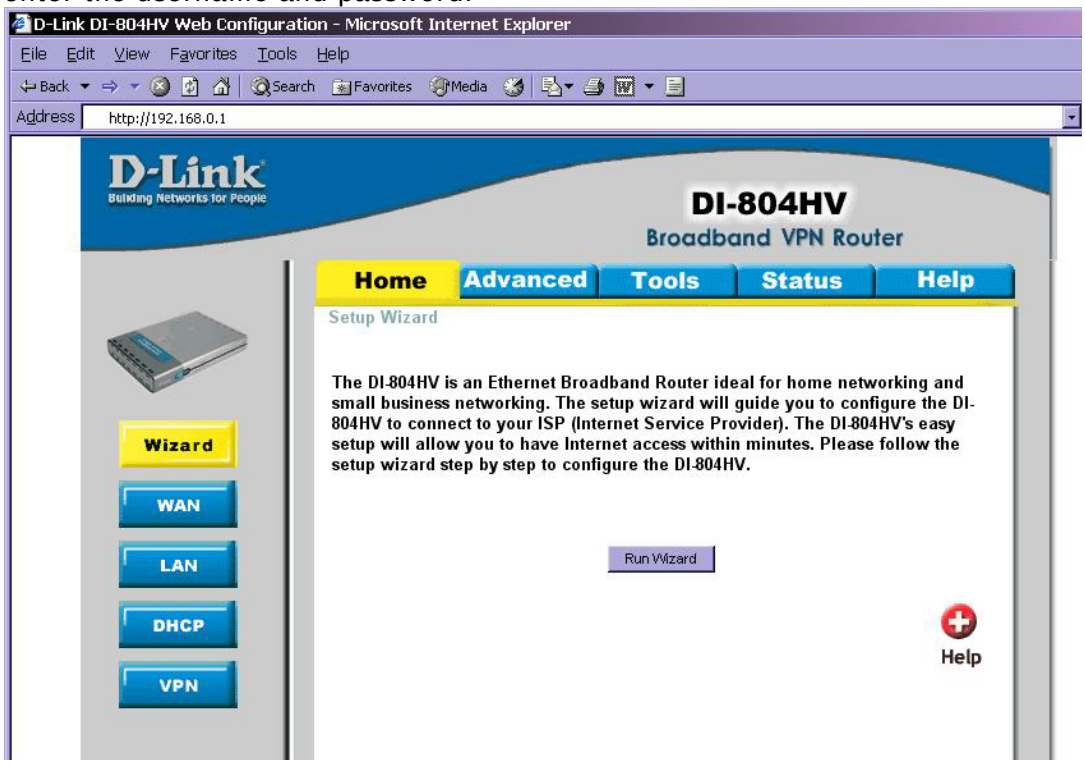
6) Click on '**Activate**' on the bottom left hand corner of the screen.

7) Click on the '**Activate Changes**' button.

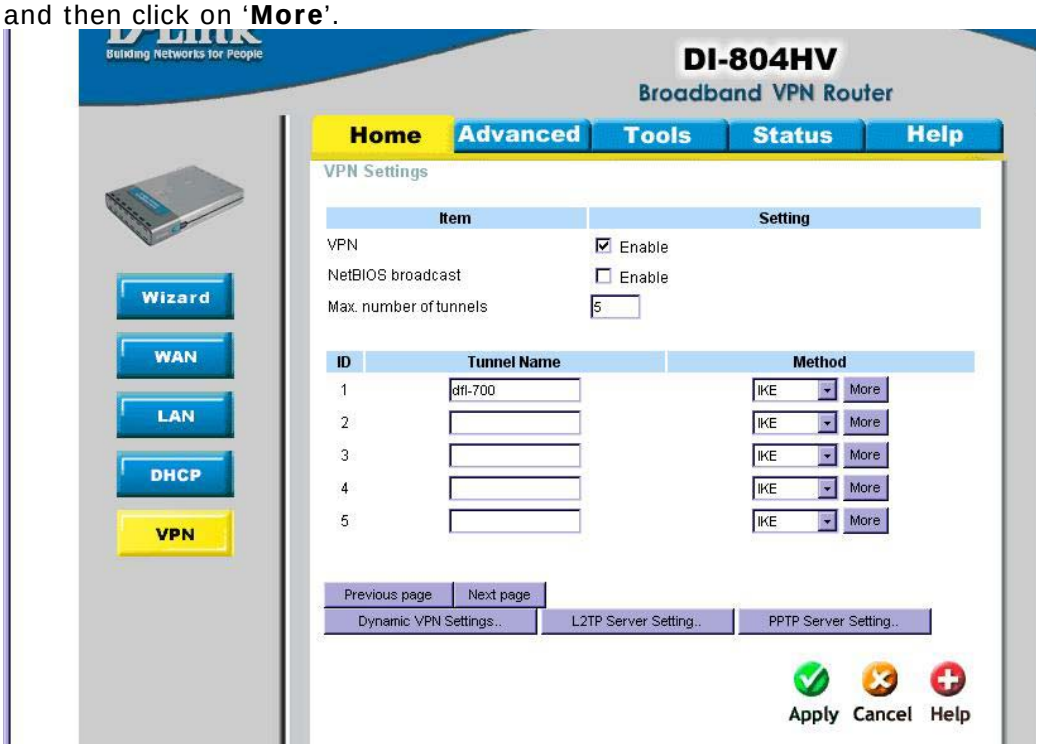


DI-804HV configuration

1) Log on to the DI-804V using its IP address (http://192.168.0.1 in this example) and enter the username and password.



2) Click on '**VPN**' on the left hand side. Under VPN Settings, check the enable box for VPN. Set the Max. number of tunnels to 5 for example. In ID 1, enter the Tunnel Name, 'dfl-700'. Click on '**Apply**' then '**Continue**'. In ID 1, set the method to '**IKE**' and then click on '**More**'.

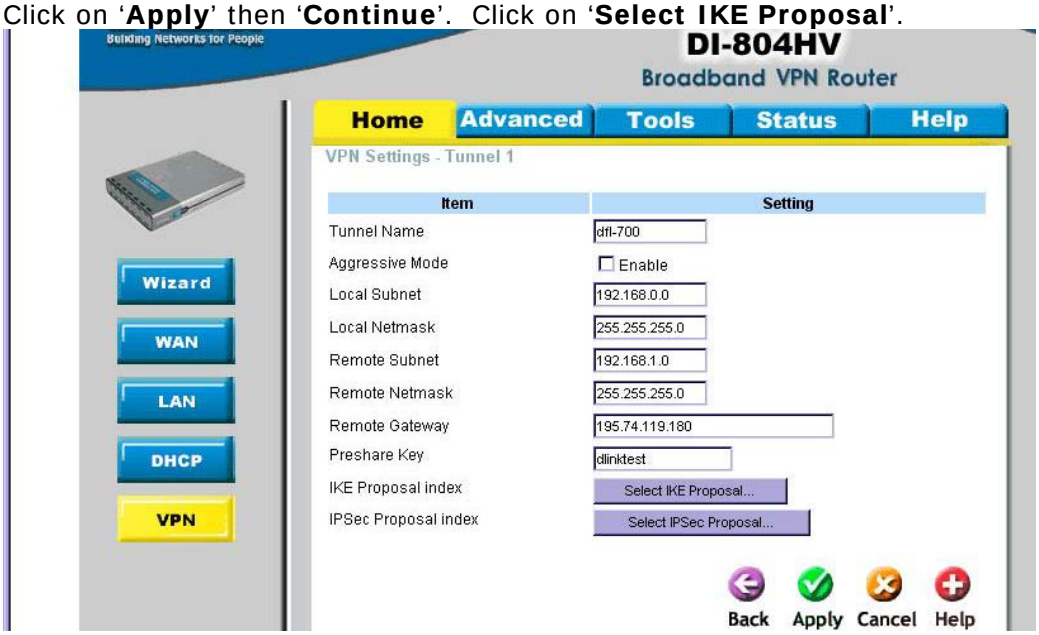


3) Enter the details for the tunnel.

Local Subnet : 192.168.0.0

Local netmask: 255.255.255.0
Remote Subnet: 192.168.1.0
Remote netmask: 255.255.255.0
Remote Gateway: 195.74.119.180
Preshare key: dlinktest

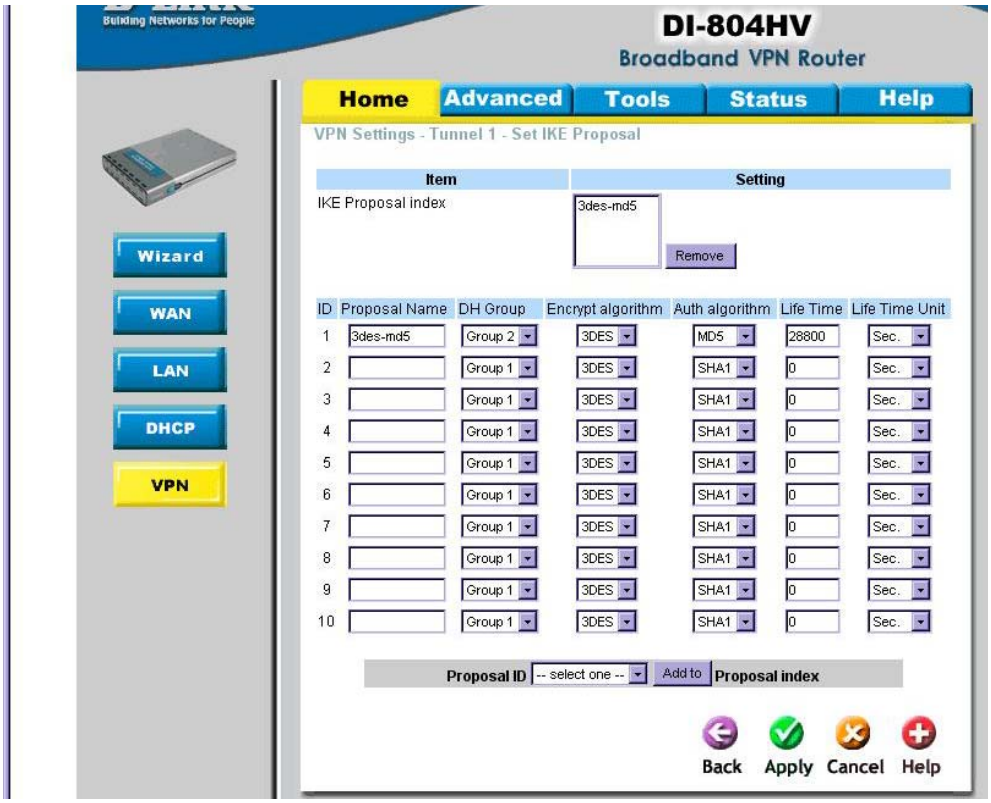
Click on '**Apply**' then '**Continue**'. Click on '**Select IKE Proposal**'.



4) In the Set IKE Proposal screen, set ID 1 to the following settings

Proposal Name: 3des-md5
DH-Group: Group2
Encrypt algorithm: 3DES
Auth algorithm: MD5
Lifetime: 28800
Life Time Unit: Sec.

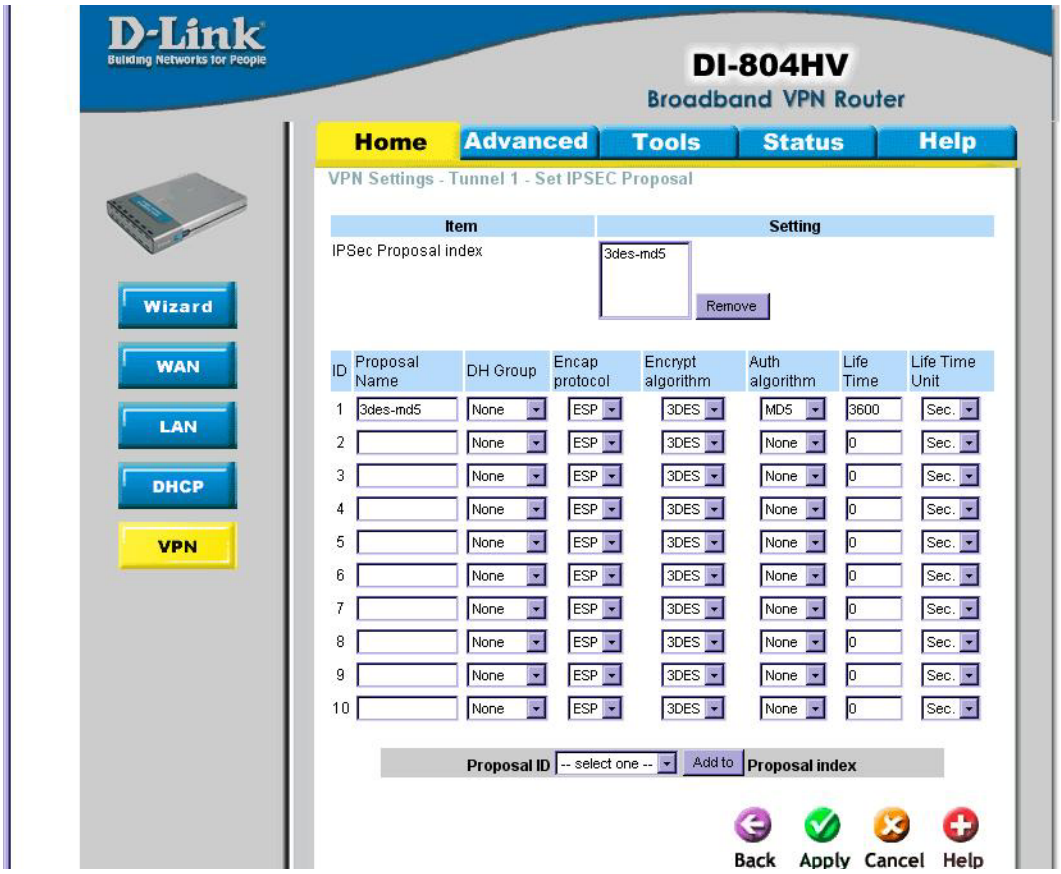
In 'Proposal ID', select 1 then click on '**Add to**'. Click on '**Apply**' then '**Continue**'.



5) Click on '**Back**'. Click on '**Select IPsec Proposal**'.

Proposal Name: 3des-md5
DH-Group: None
Encap protocol: ESP
Encrypt algorithm: 3DES
Auth algorithm: MD5
Lifetime: 3600
Life Time Unit: Sec.

In 'Proposal ID', select 1 then click on '**Add to**'. Click on '**Apply**' then '**Continue**'.



Testing the connection

From the DFL-700 side, you can initiate a ping to a machine on the LAN side of the DI-804HV (i.e. 192.168.0.10). The tunnel should then be generated and then you should get a response as shown below.