SSL VPN Split Tunnel

(LAN:192.168.10.1)DSR-1000N(WAN) - - - - - - - SSL Clients

|

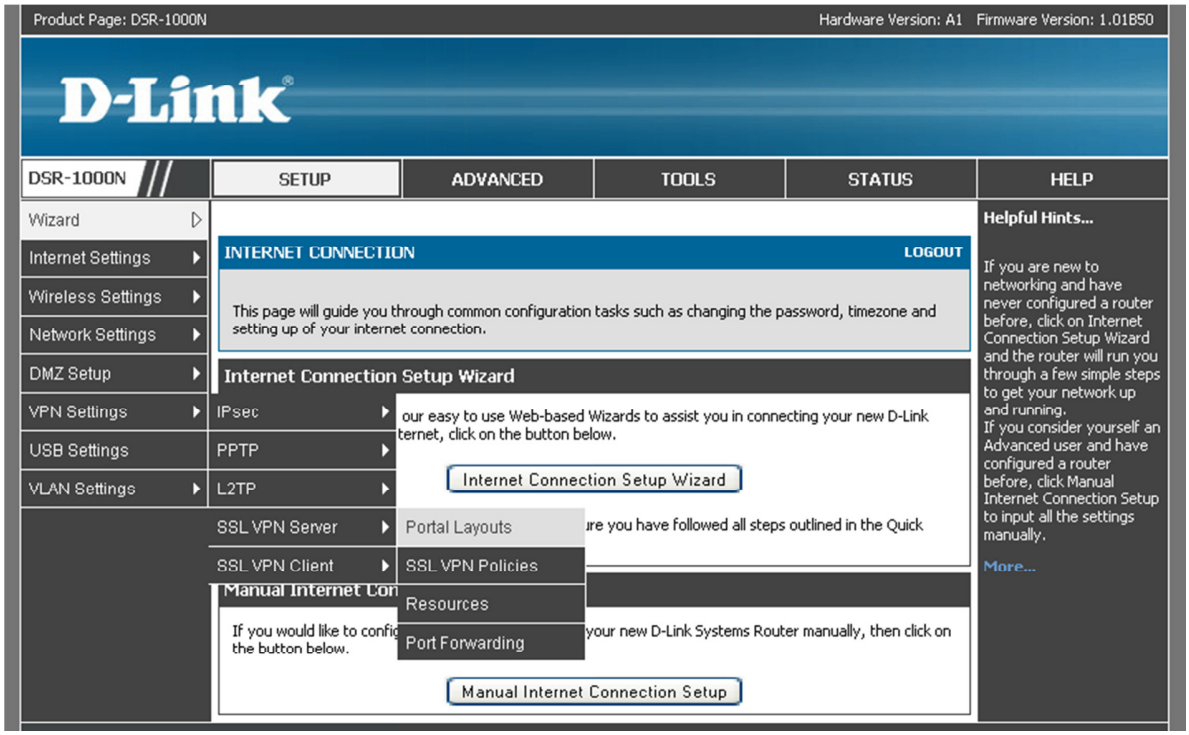
INTERNET

Here we're trying to build a SSL VPN server on the DSR-1000N for users are able to remotely connect into the resource of company network.

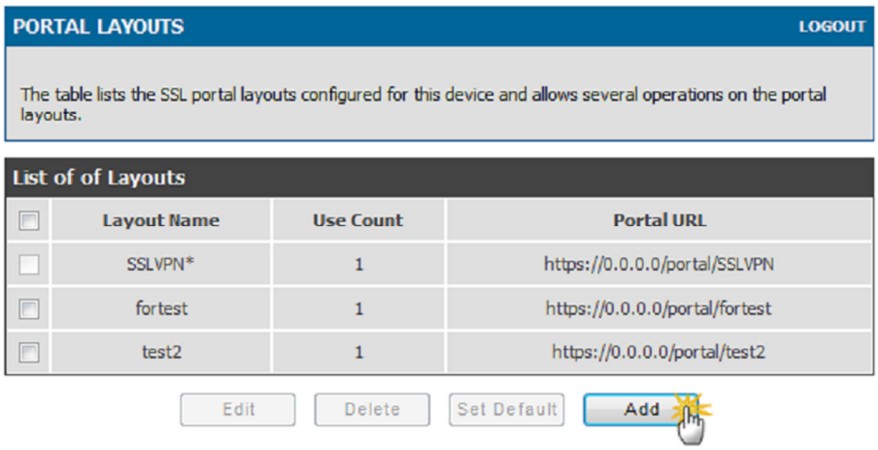
In this scenario the traffic of the SSL client sending data to 192.168.10.0/24 will be forwarded via SSL VPN tunnel. Normal internet traffic will be sent through their local ISP, this setup is called "split tunnel" in VPN terminology.

DSR-1000N Setup

Step 1) Go to SETUP > VPN Settings > SSL VPN server > Portal Layouts.

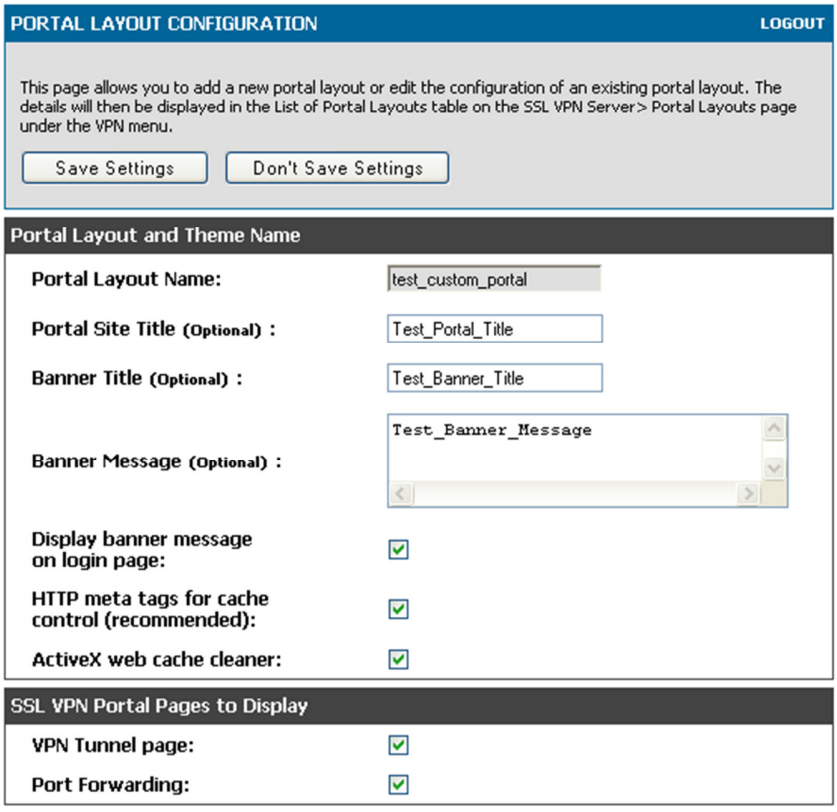


Step 2) Click "Add" to add a Portal.

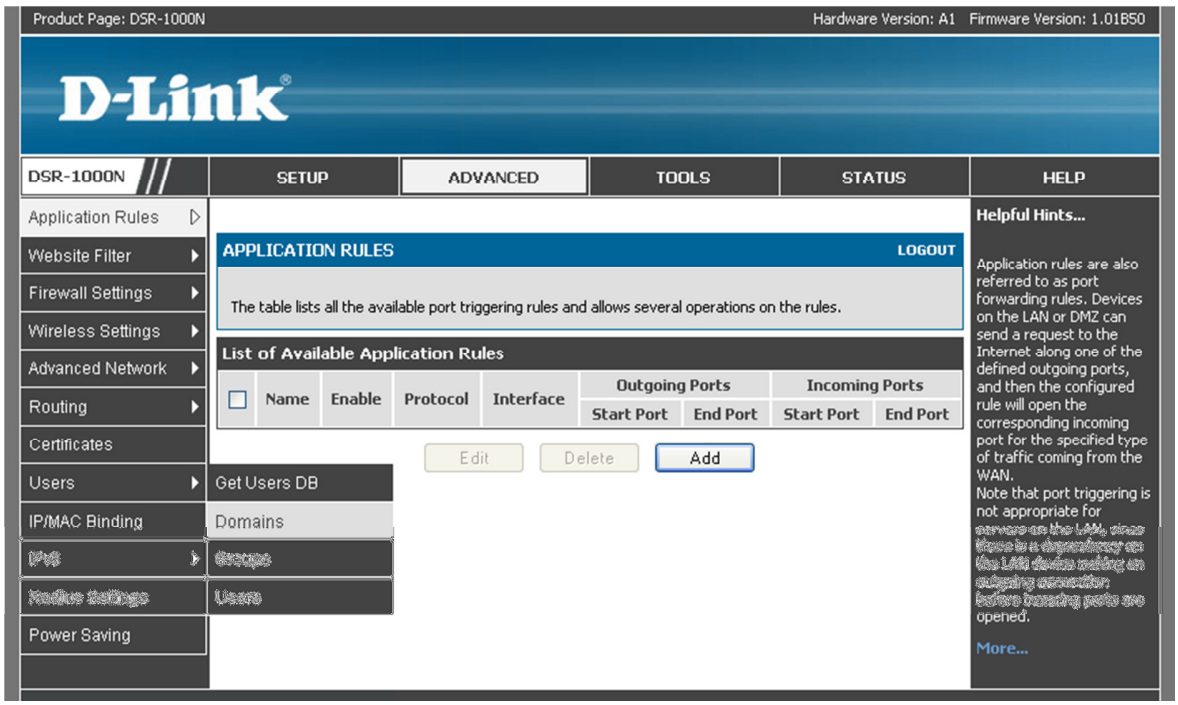


Under Portal configuration enter in information into the following:
- Portal Layout Name: Enter in a name for the Portal
- Portal Site Title: Enter in a Title, this can be left blank
- Banner Message: Enter in a Message, this can be left blank

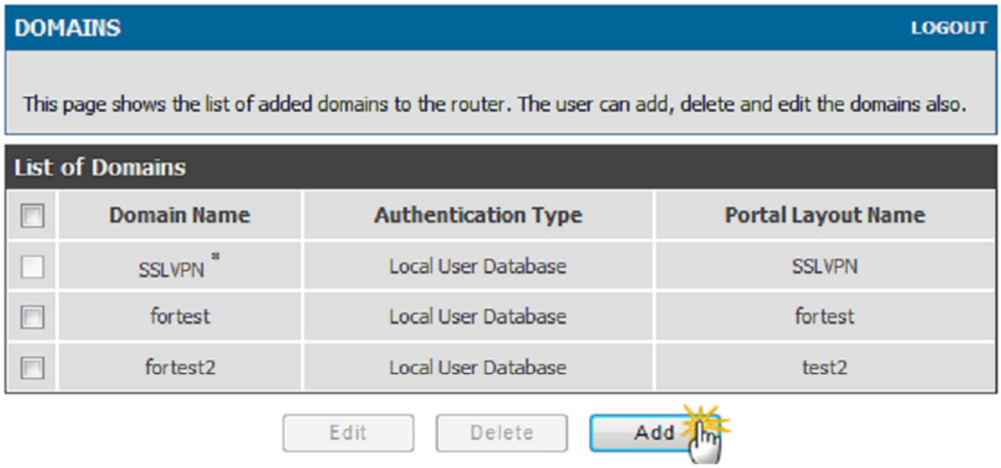
Next make sure all of the boxes have been selected then click **"Save Settings"**.



Step 3) Go to ADVANCE > Users > Domains.



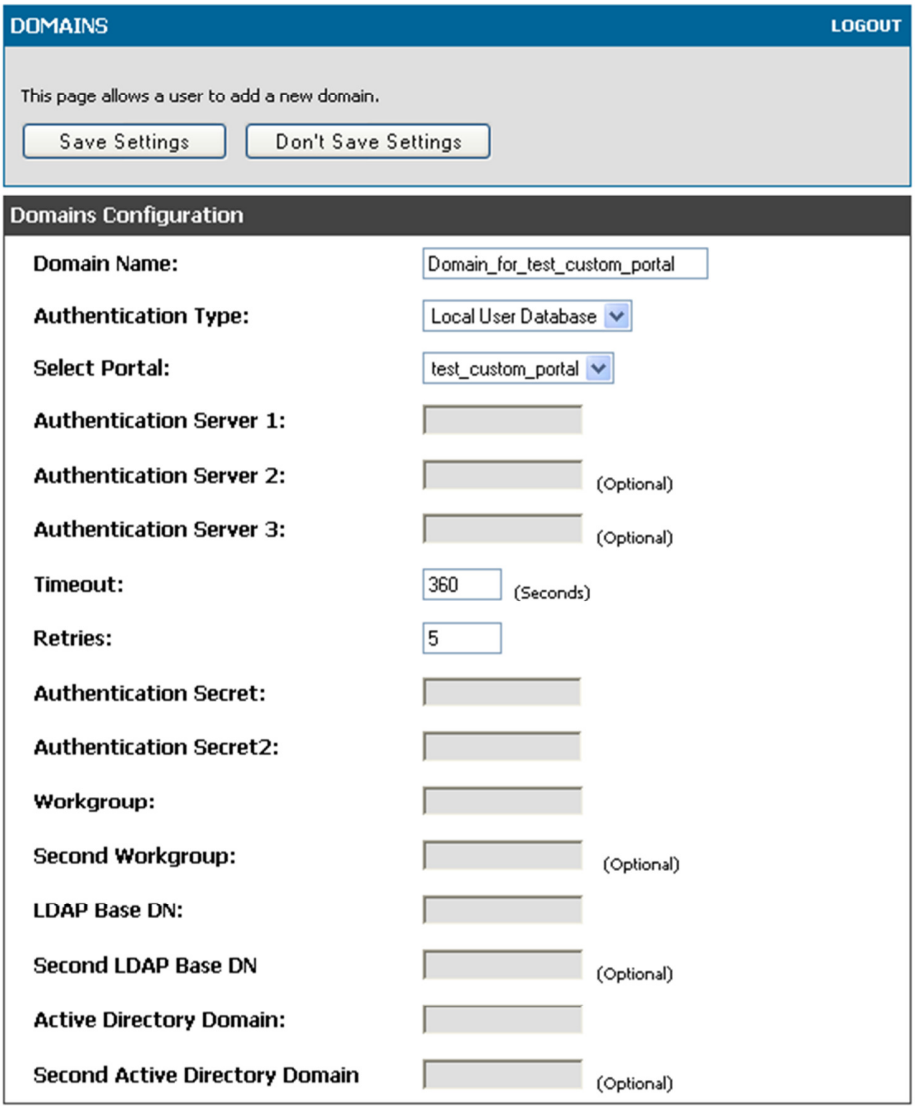
Click **"Add"** to create a domain object.



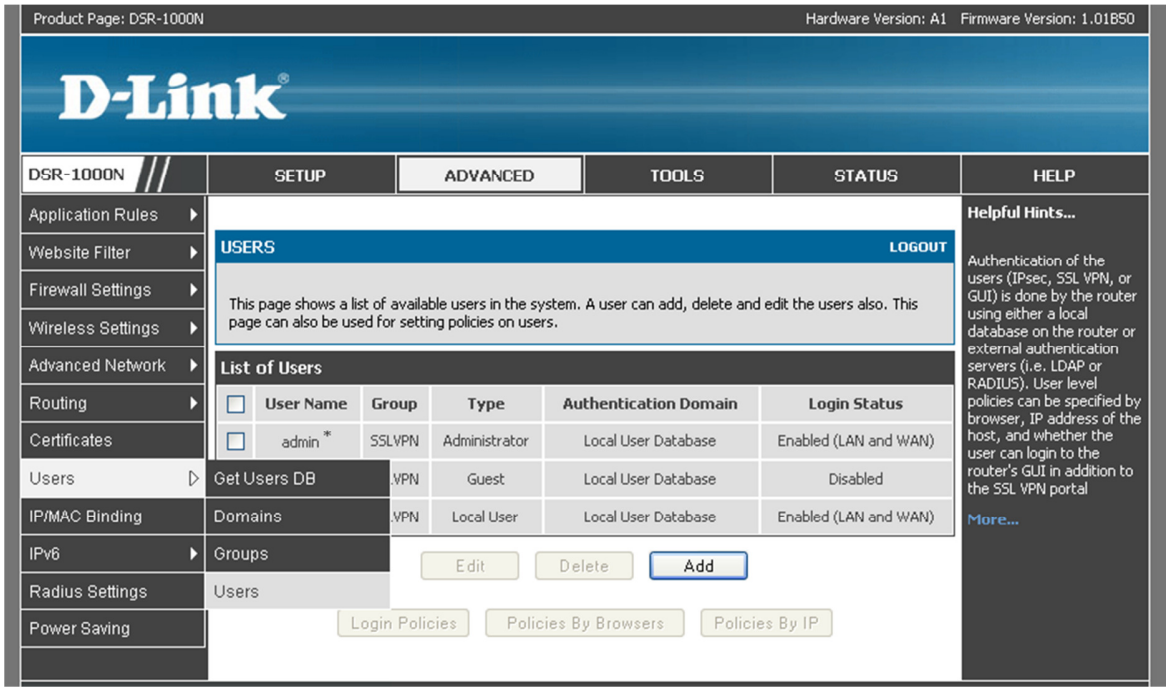
Under Domain enter in the following:

- Domain Name: Enter in a name for the Domain
- Authentication Type: Select Local User Database
- Select Portal: Select the name of the Portal that was added before
- Time out: Set to 360

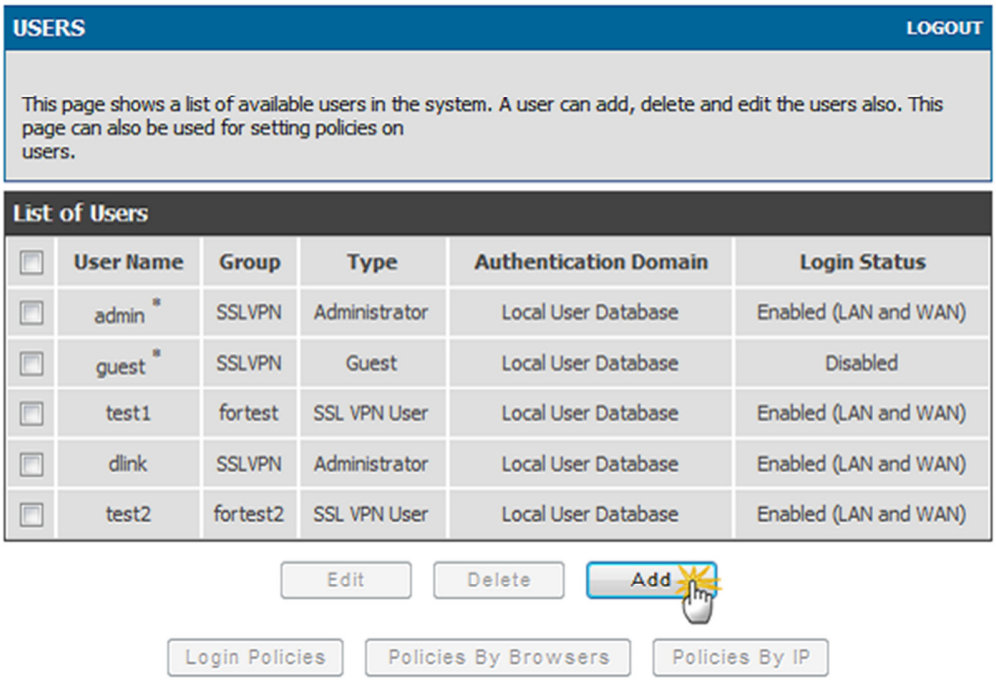
Click **"Save Settings"** once done.



Step 4) Go to ADVANCED > Users > Users

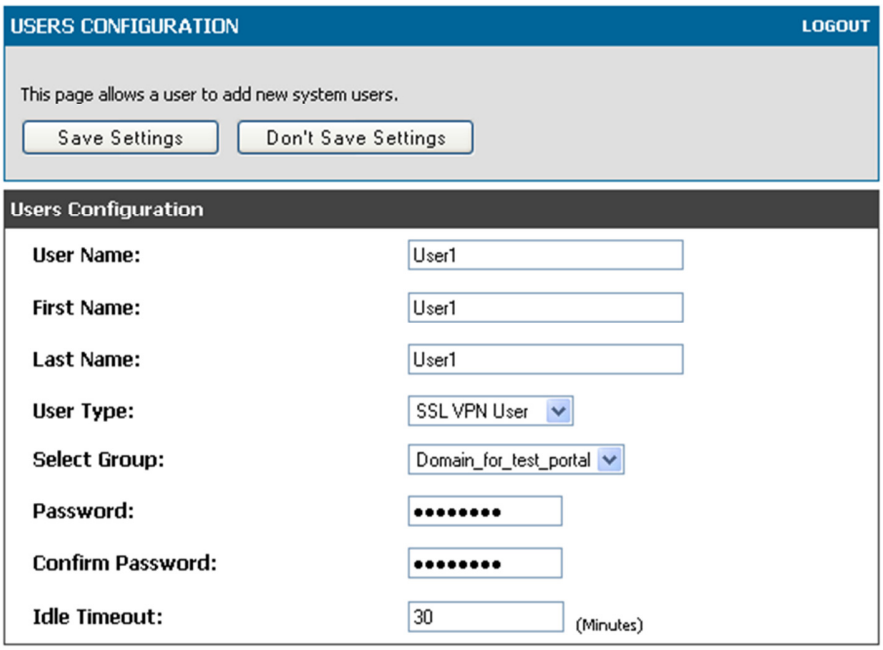


Click on **"Add"**

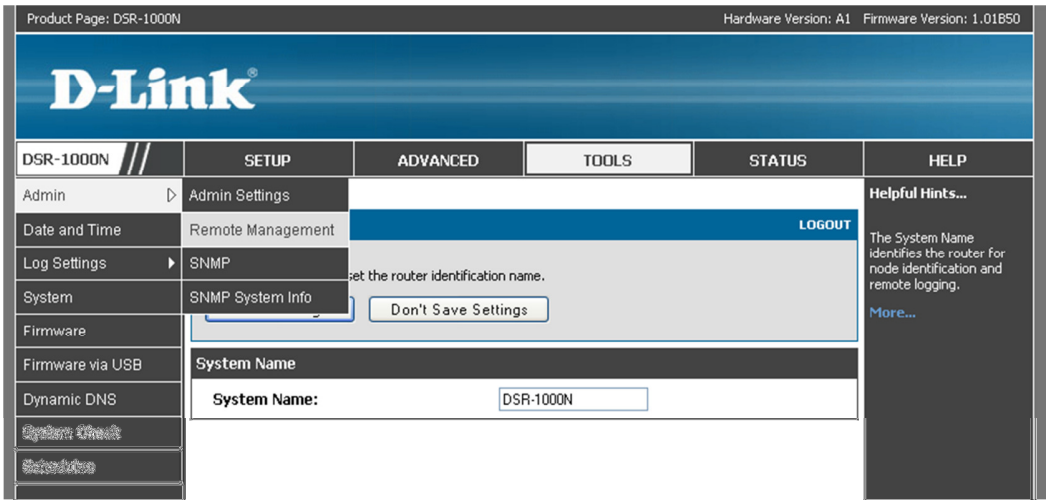


Under User Configuration enter in the following:
- User Name: A name for the use(this is used when the user logs in).
- First Name: First name of user
- Last Name: The last name
- User Type: Leave as is (SSL VPN User)
- Select Group: Enter in the name of the Portal that was added in step 2.

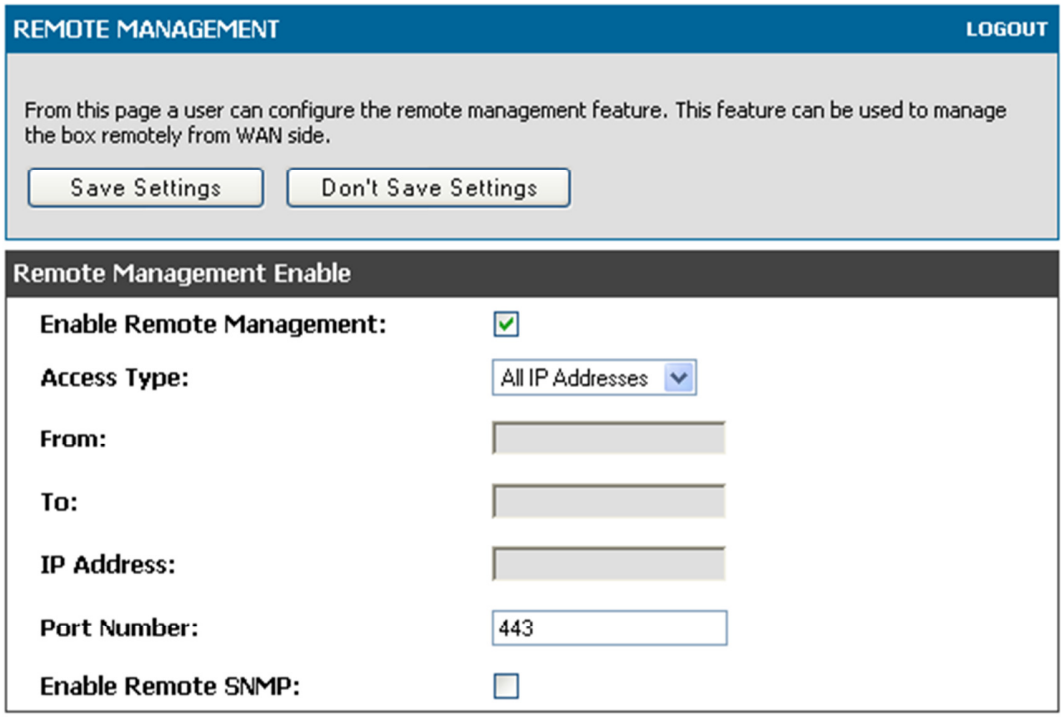
Once done select **"Save Settings"**



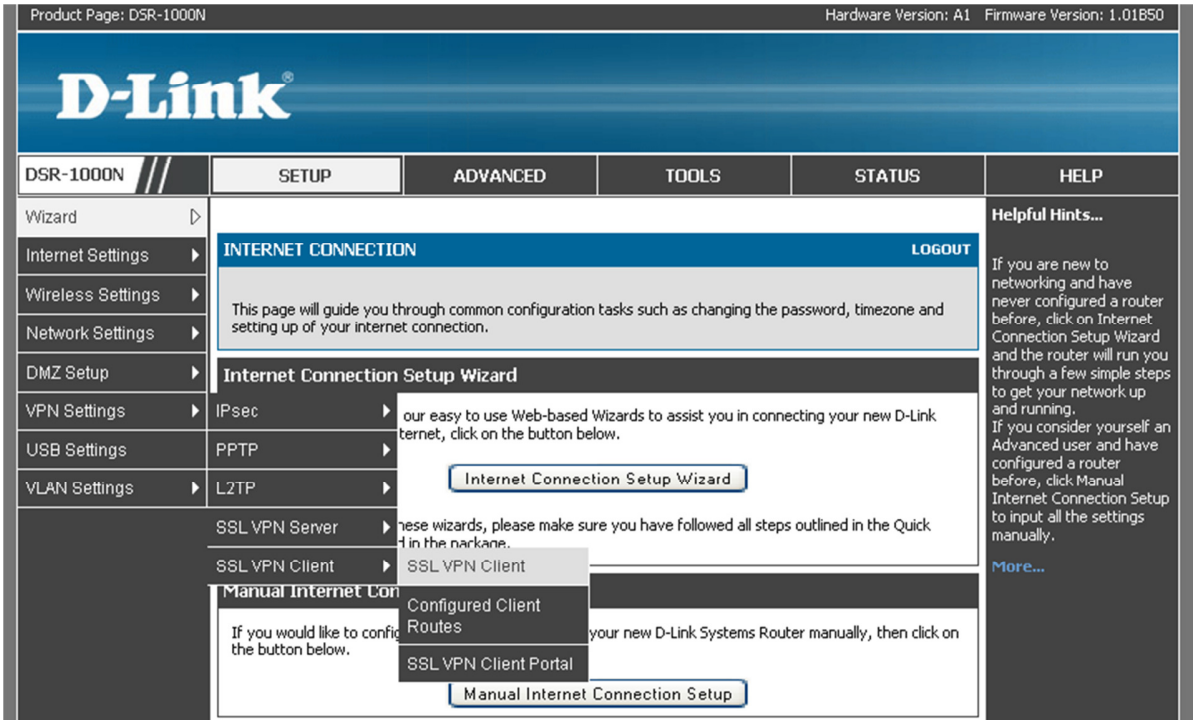
Step 5) Go to TOOLS > Admin > Remote Management



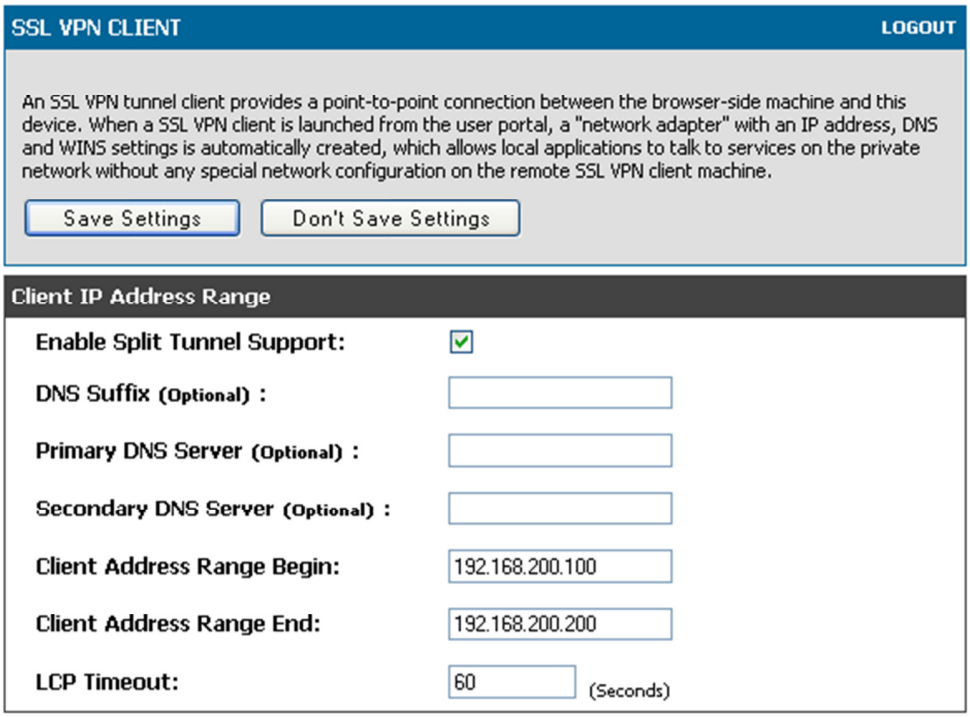
Select **"Enable Remote Management"**, then click **"Save Settings"**.



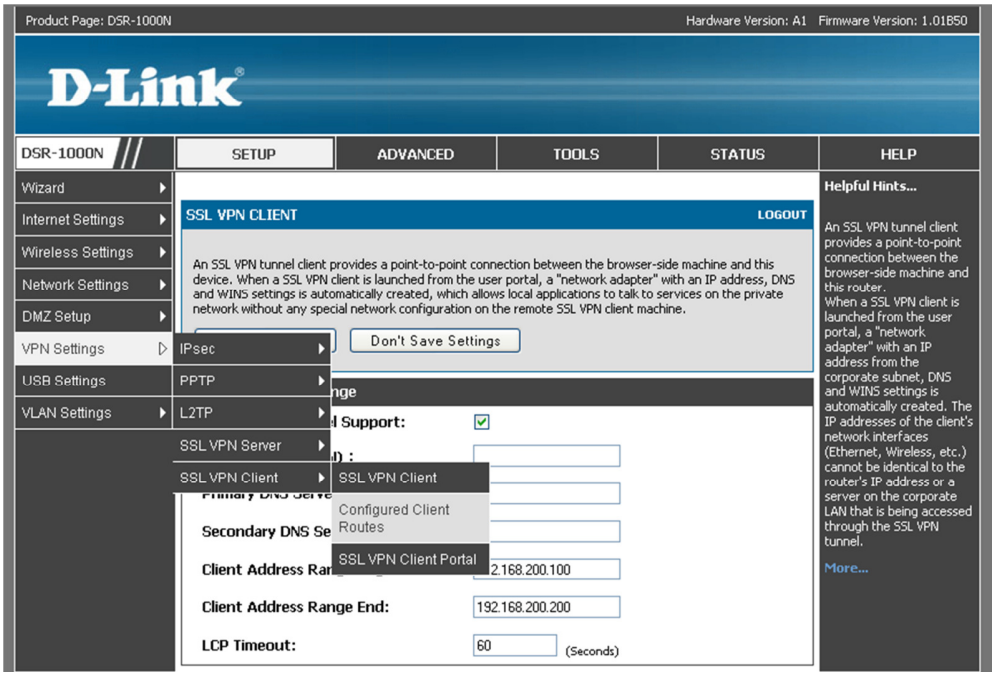
Step 6) Go to SETUP > VPN Settings > SSL VPN Client > SSL VPN Client



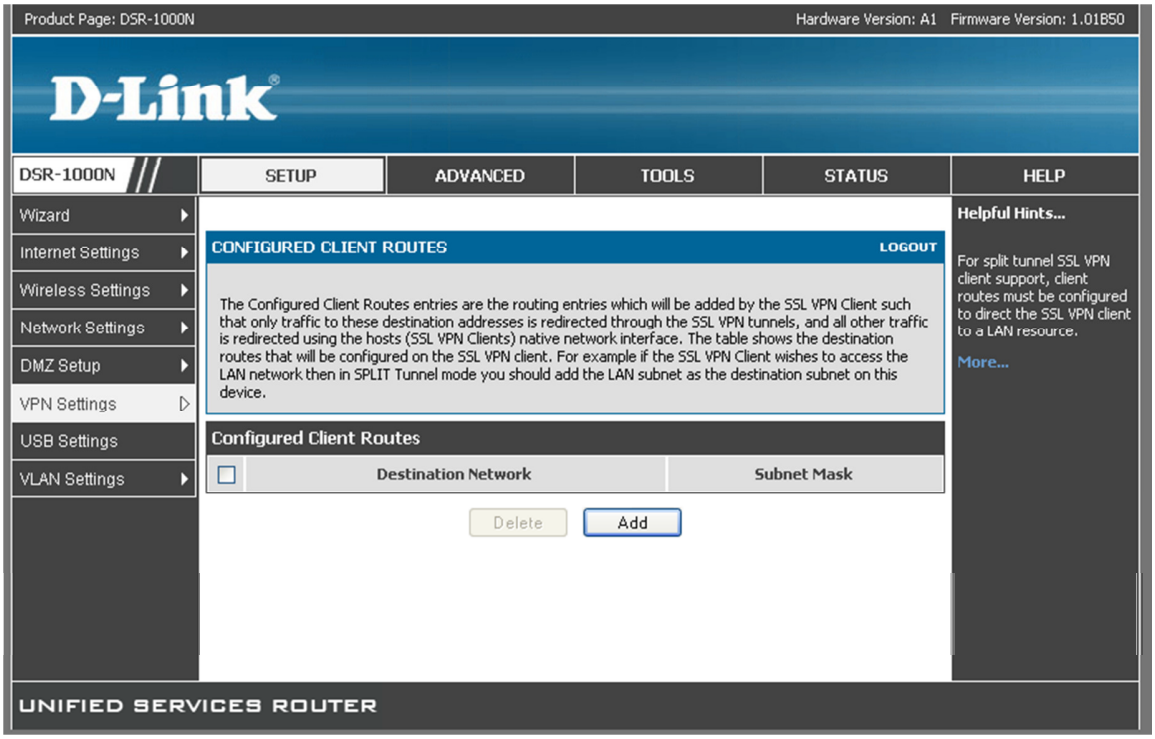
Select **"Enable Split Tunnel Support"**.



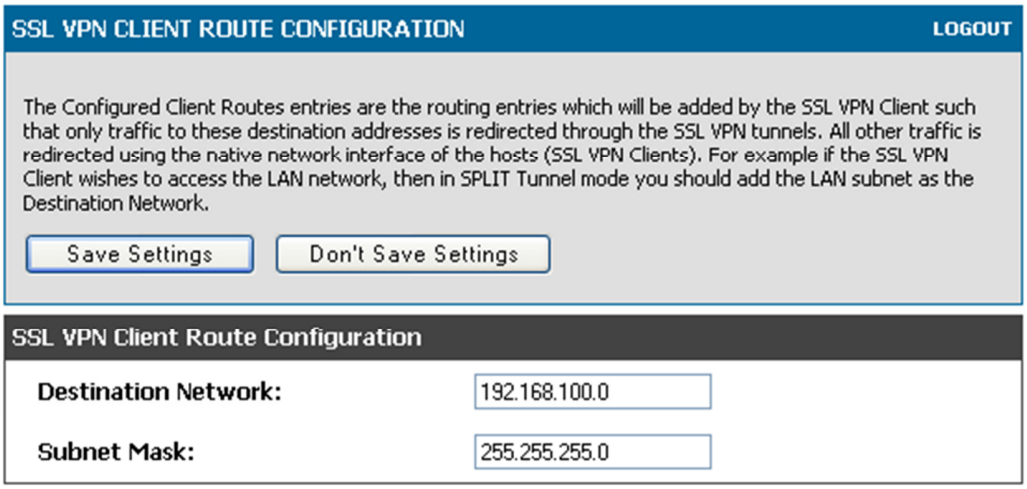
Step 7) Go to ADVANCED > VPN Settings > SSL VPN Client > Configured Client Routes.



Under Configured Client routes click **"Add".**



Under Destination Network enter in the LAN network then under Subnet mask the local Subnet.



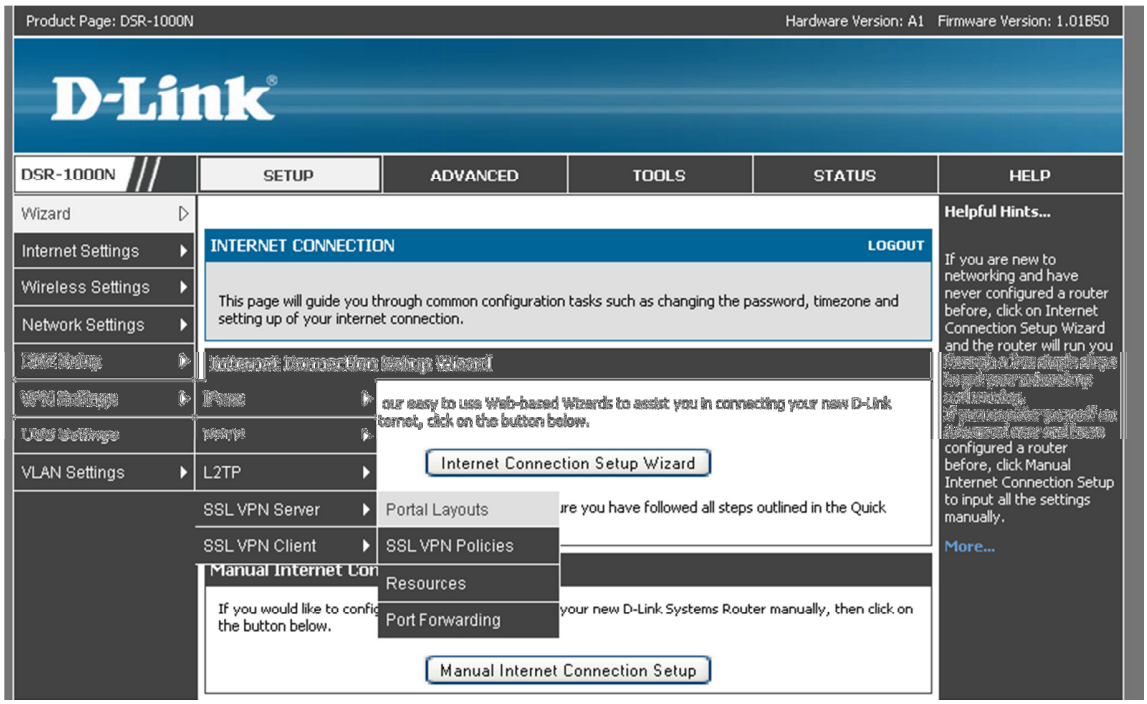
Once done click **"Save Settings"**, this is the last step on the DSR-1000N.

Client test / setup.

NOTE: Windows 7 64bit users please download the below file to allow full support.

http://www.microsoft.com/downloads/en/details.aspx?familyid=90548130-4468-4BBC-9673-D6ACABD5D13B&displaylang=en

Step 1) Access VPN Settings > SSL VPN Server > Portal Layouts.



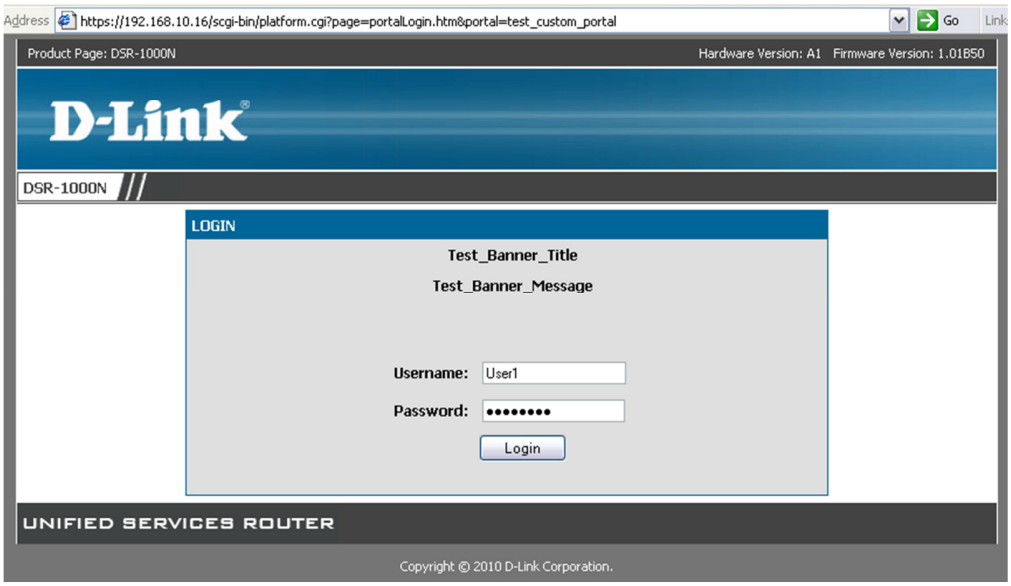
Under Portal Layouts you will see the entry that you added before, next to it a URL, write down this address.

NOTE: if the IP seen is a private IP (as seen below) you need to find out what the public IP is, the public IP will go in the place of the private IP.

Step 2) From the Client PC enter in the Portal URL (as seen in step 1).

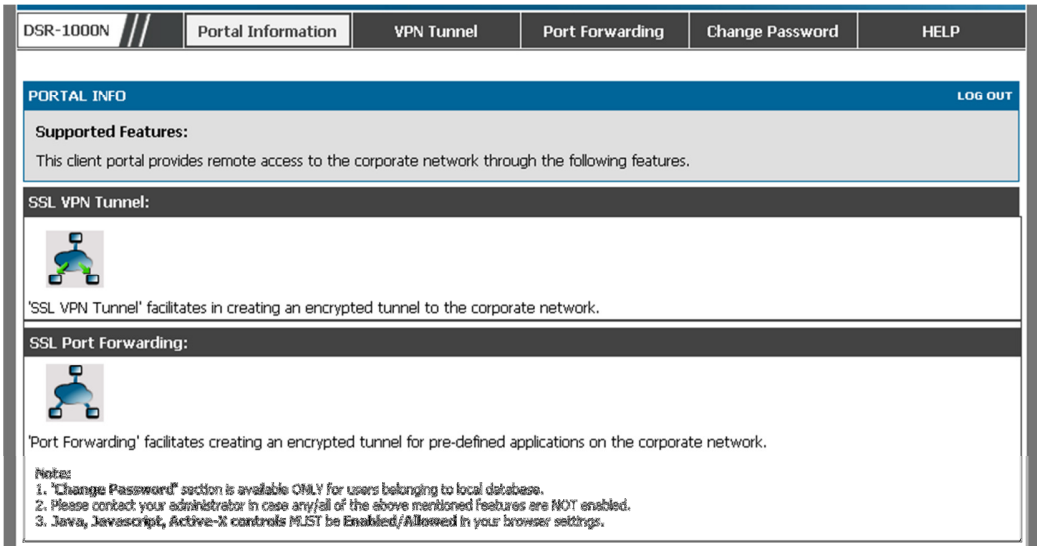
In our example its **https://192.168.10.16/portal/test_custom_portal**

This will bring up a page asking for a Username / password, enter in the Username / Password that you entered in on **page 5** of the guide.

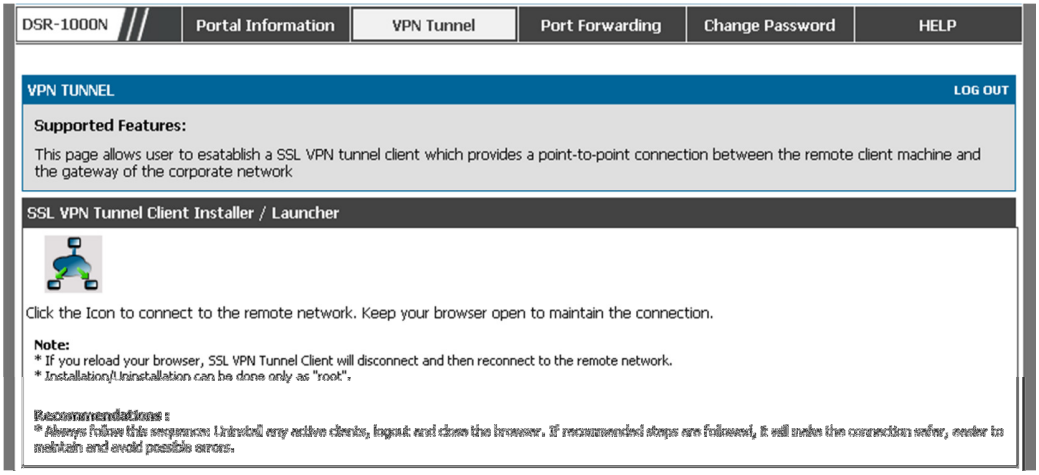


The first page that you will see after logging in explains the different services available.

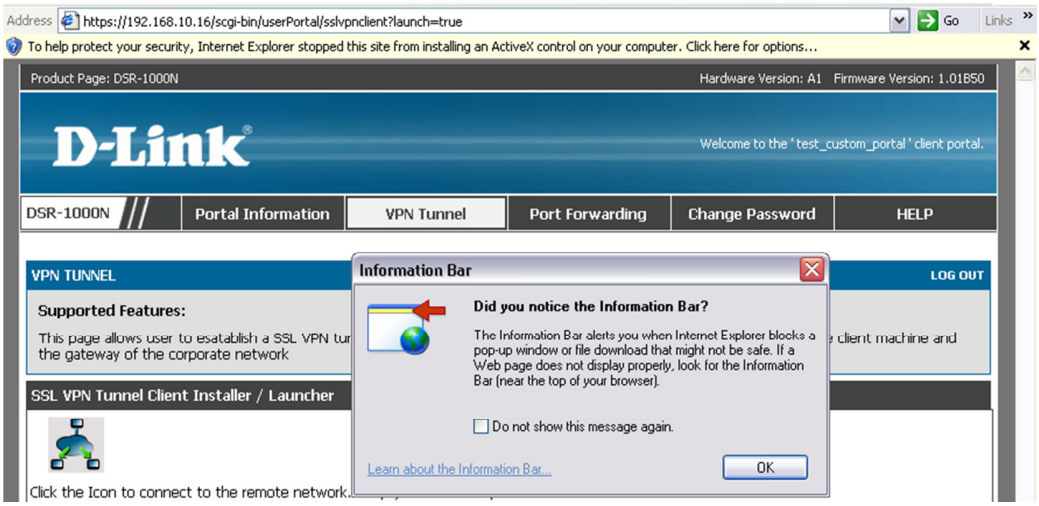
SSL VPN Tunnel: Used to all full access to the remote site.
SSL Port Forwarding: Creates a SSL tunnel to the remote site but allow allows access to certain services (set on the DSR-1000N)



Step 3) Select VPN Tunnel tab at the top of the page

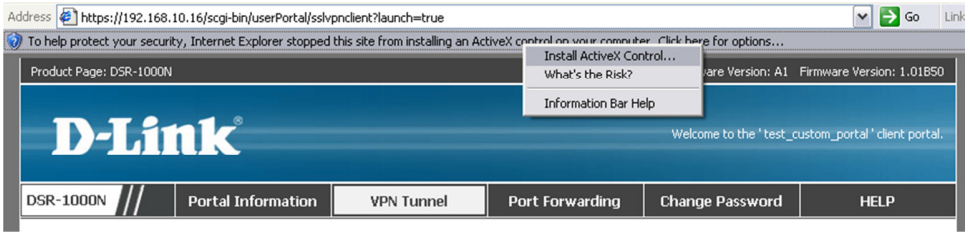


Then **click** on **"SSL VPN Tunnel"**, this will pop up a box at the top of the page and a warning (as seen below).



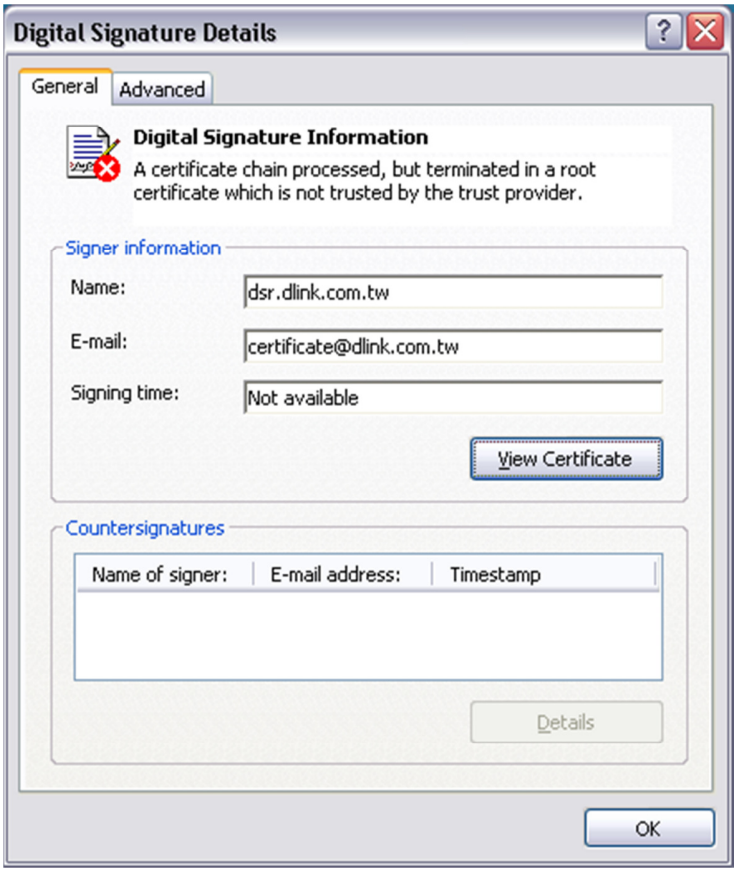
Click on **"OK"** to close the Information bar.

Next **click** on the bar at the top of the page and select **"Install ActiveX Control"**.



You will see a Security Warning, **Click "OK"**

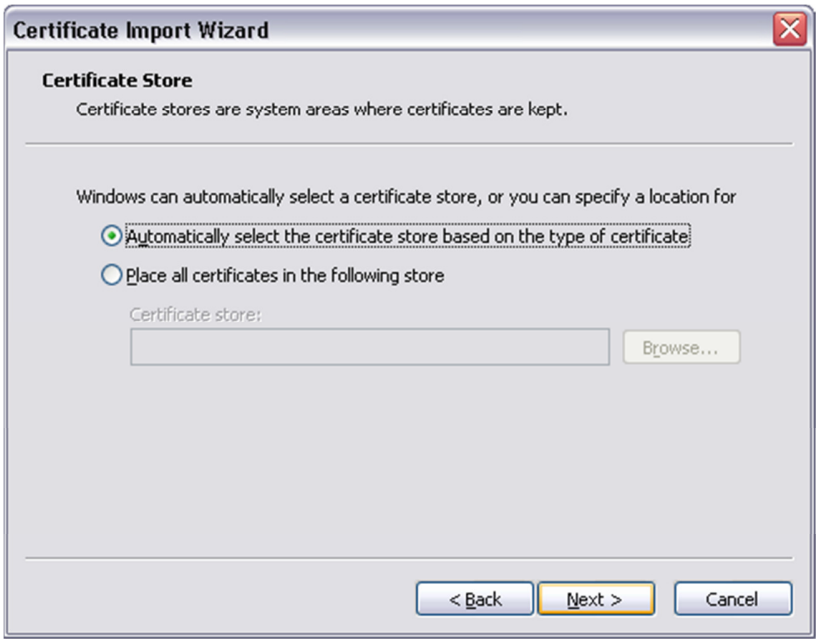
Under Digital Signature Details, **Click "View Certificate"**



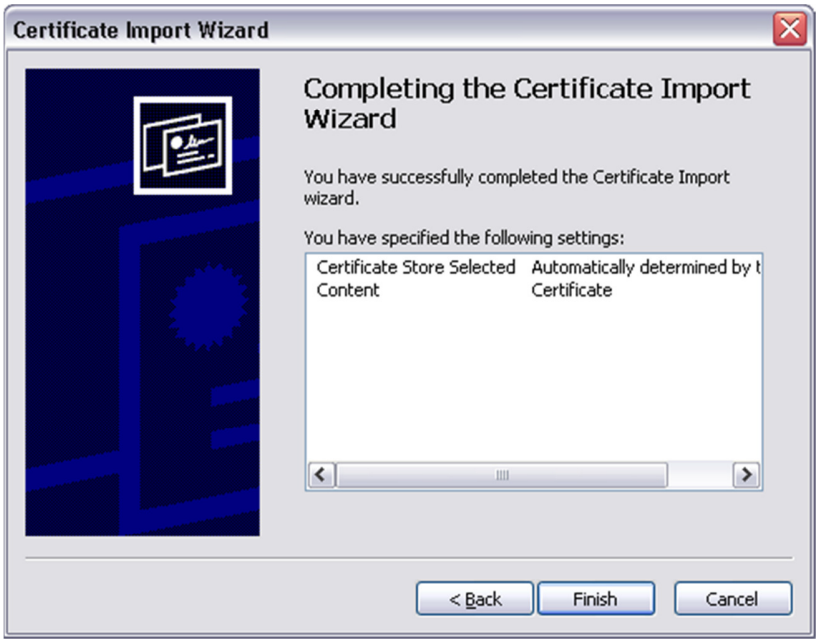
You should see a new screen (Certificate), Click **"Install Certificate"** (found at the bottom of the pop up).

Step 4) You should now see the **"Certificate Import Wizard"**, **Click "Next"**.

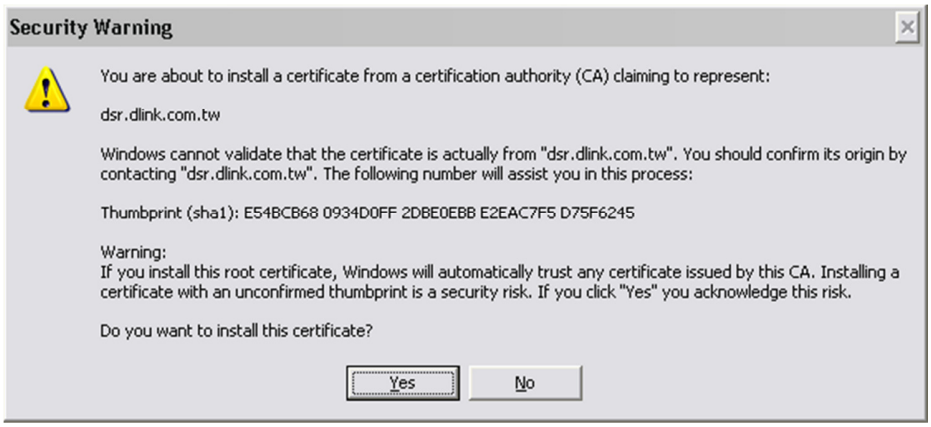
Leave the top option selected then **Click "Next"**.



Then **Click "Finish"**.



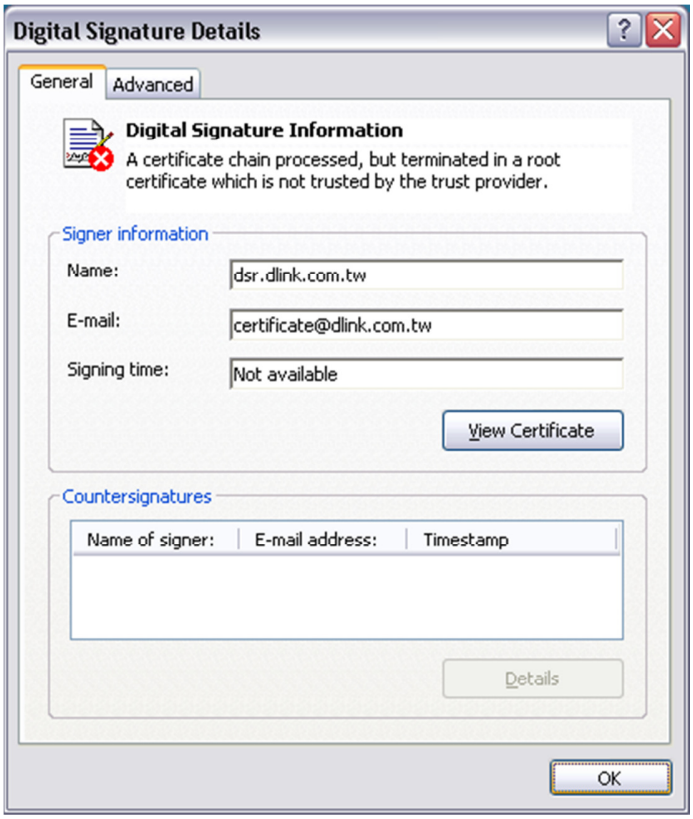
Click "Yes" on the Security Warning.



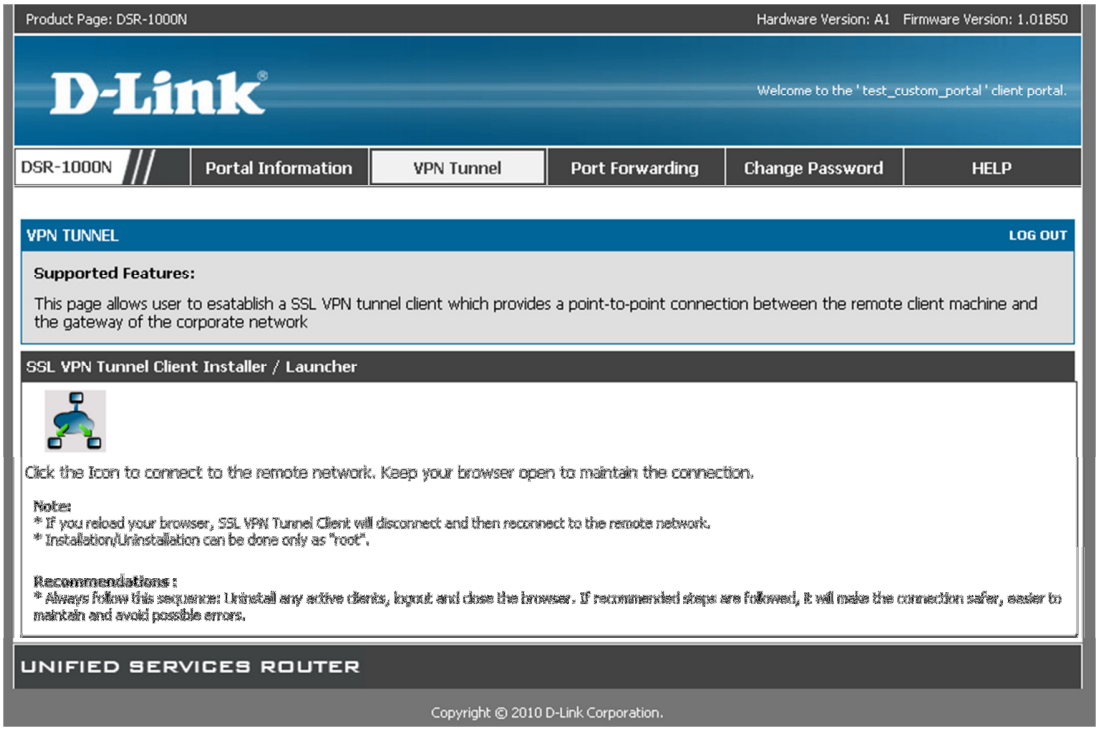
Then **Click "OK"**

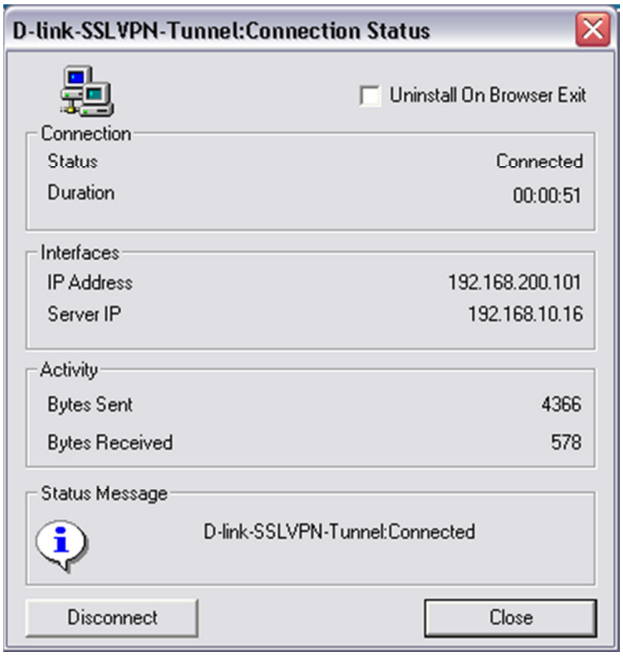
You need to Click on **"Install Certificate"** a seconds time.

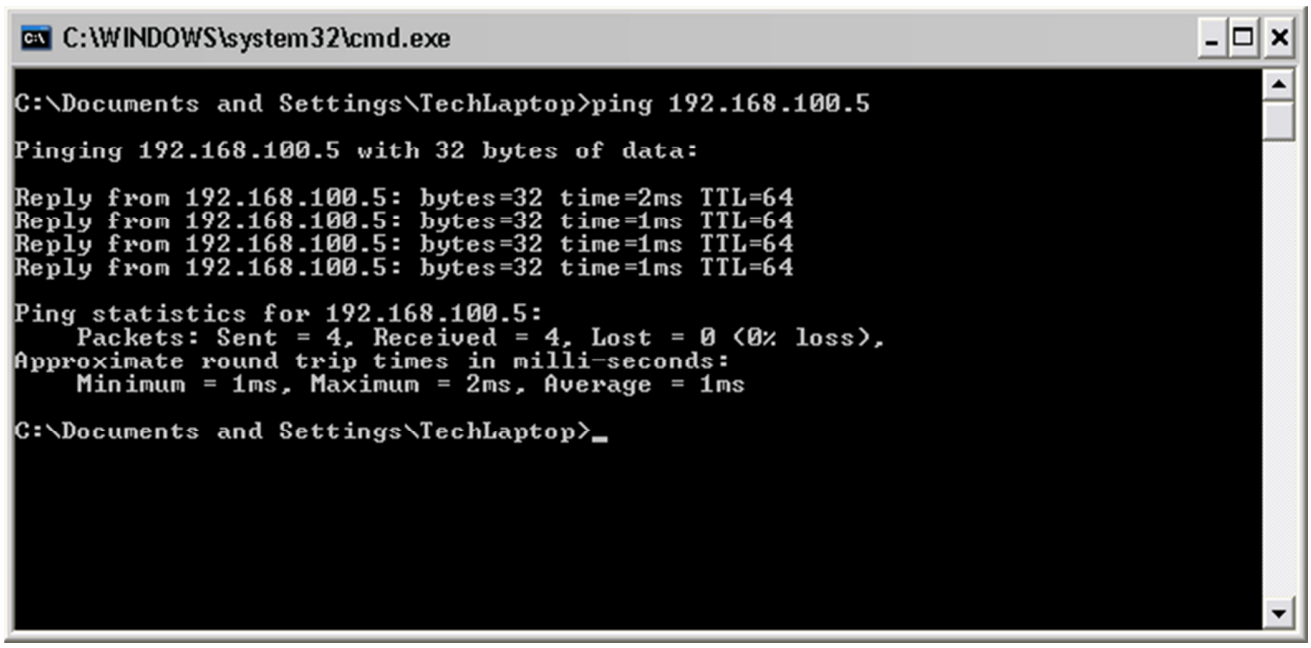
Once done **Click "OK"**.



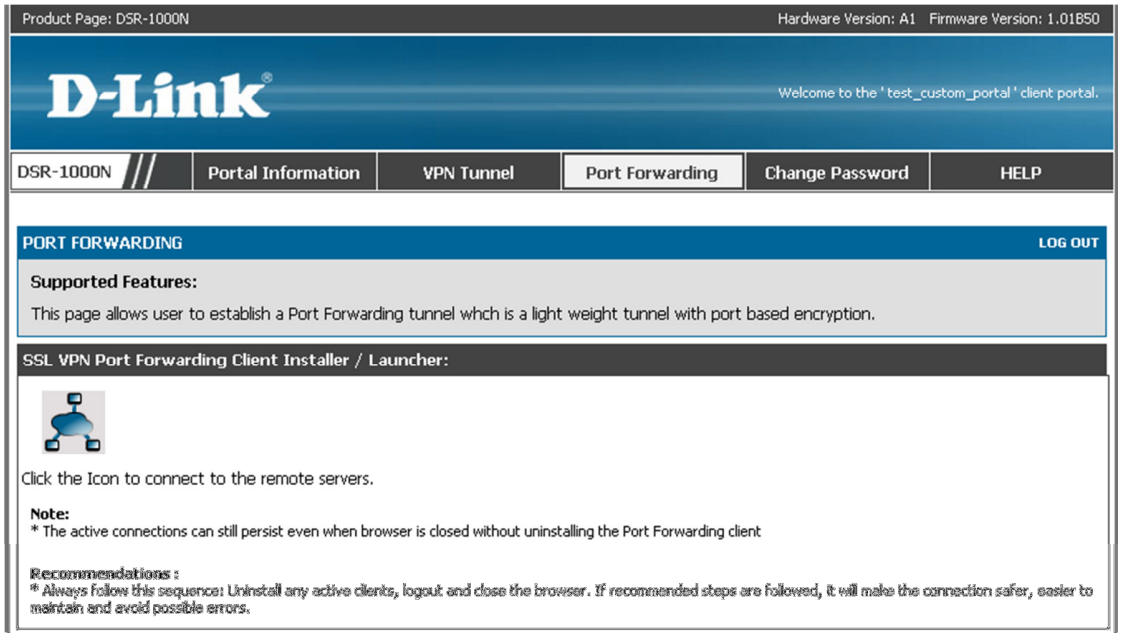
If you get a Security Warning **Click on "OK"**

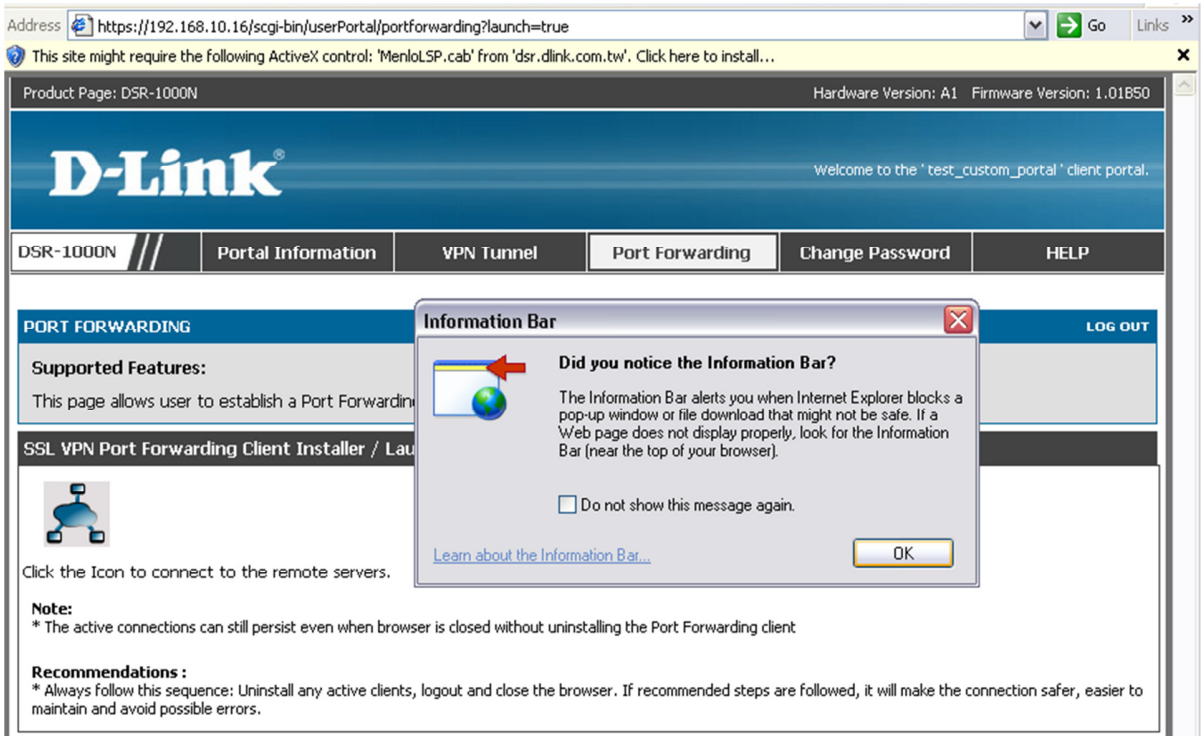

Product Page: DSR-1000N
Hardware Version: A1 Firmware Version: 1.01B50
D-Link
Welcome to the ' test_custom_portal ' client portal.
DSR-1000N
Portal Information
VPN Tunnel
Port Forwarding
Change Password
HELP
VPN TUNNEL
LOG OUT
Supported Features:
This page allows user to esatablish a SSL VPN tunnel client which provides a point-to-point connection between the remote client machine and the gateway of the corporate network
SSL VPN Tunnel Client Installer / Launcher
Click the Icon to connect to the remote network. Keep your browser open to maintain the connection.
Note:
* If you reload your browser, SSL VPN Tunnel Client will disconnect and then reconnect to the remote network.
* Installation/Uninstallation can be done only as "root".
Recommendations :
* Always follow this sequence: Uninstall any active clients, logout and close the browser. If recommended steps are followed, it will make the connection safer, easier to maintain and avoid possible errors.
UNIFIED SERVICES ROUTER
Copyright © 2010 D-Link Corporation.


D-link-SSLVPN-Tunnel:Connection Status
Uninstall On Browser Exit
Connection
Status
Connected
Duration
00:00:51
Interfaces
IP Address
192.168.200.101
Server IP
192.168.10.16
Activity
Bytes Sent
4366
Bytes Received
578
Status Message
D-link-SSLVPN-Tunnel:Connected
Disconnect
Close

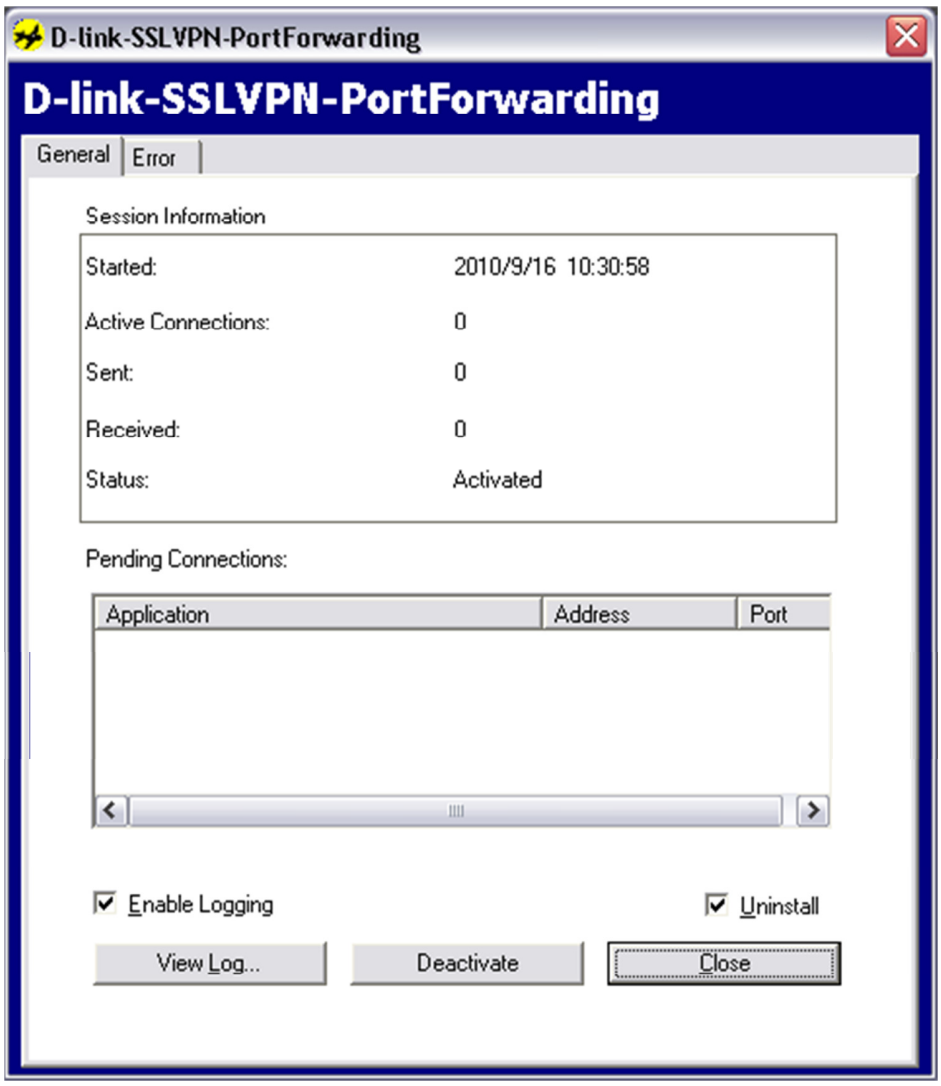


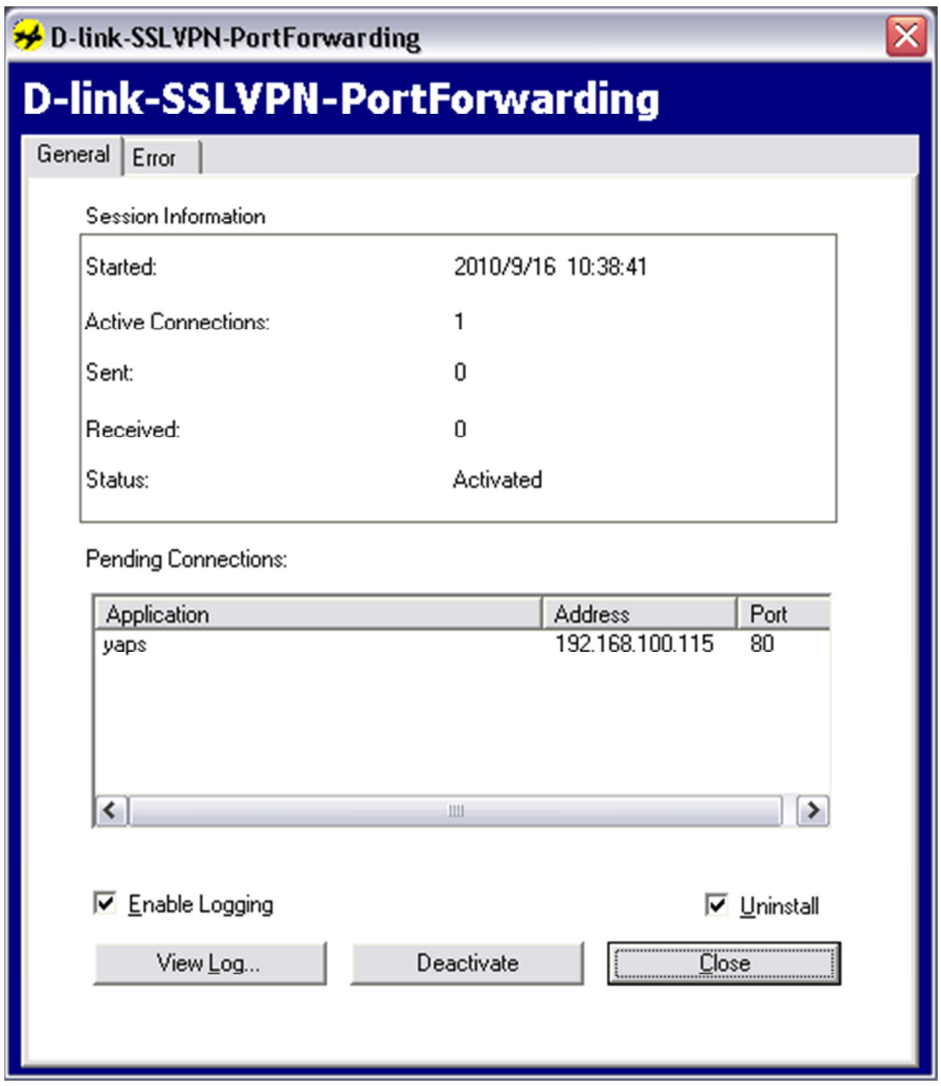
Port forward

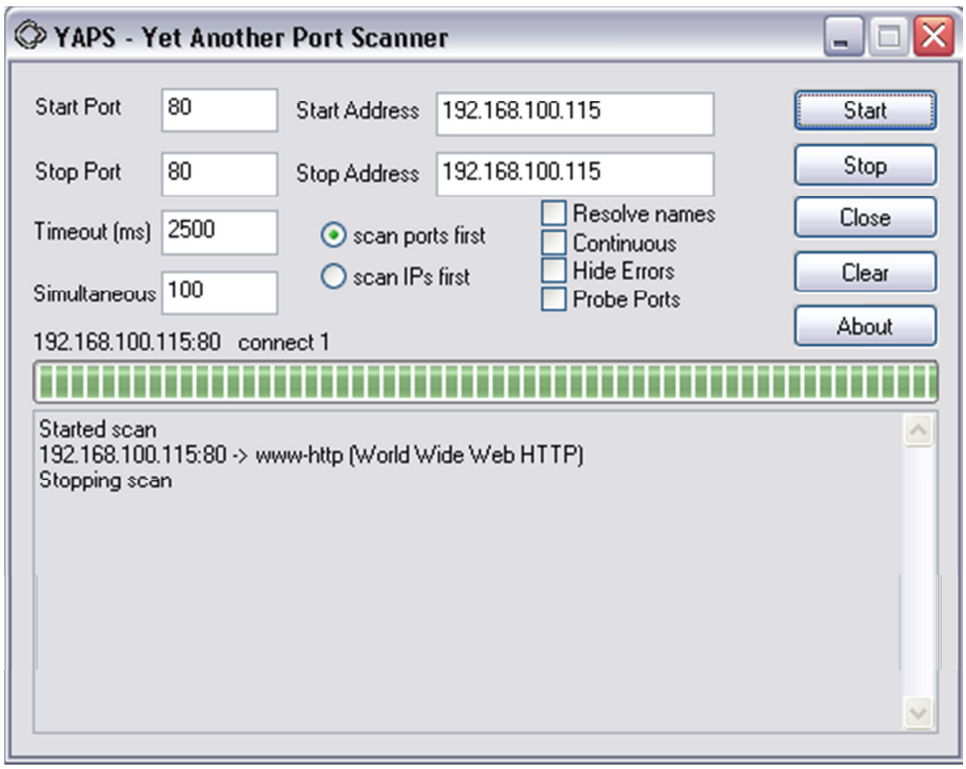


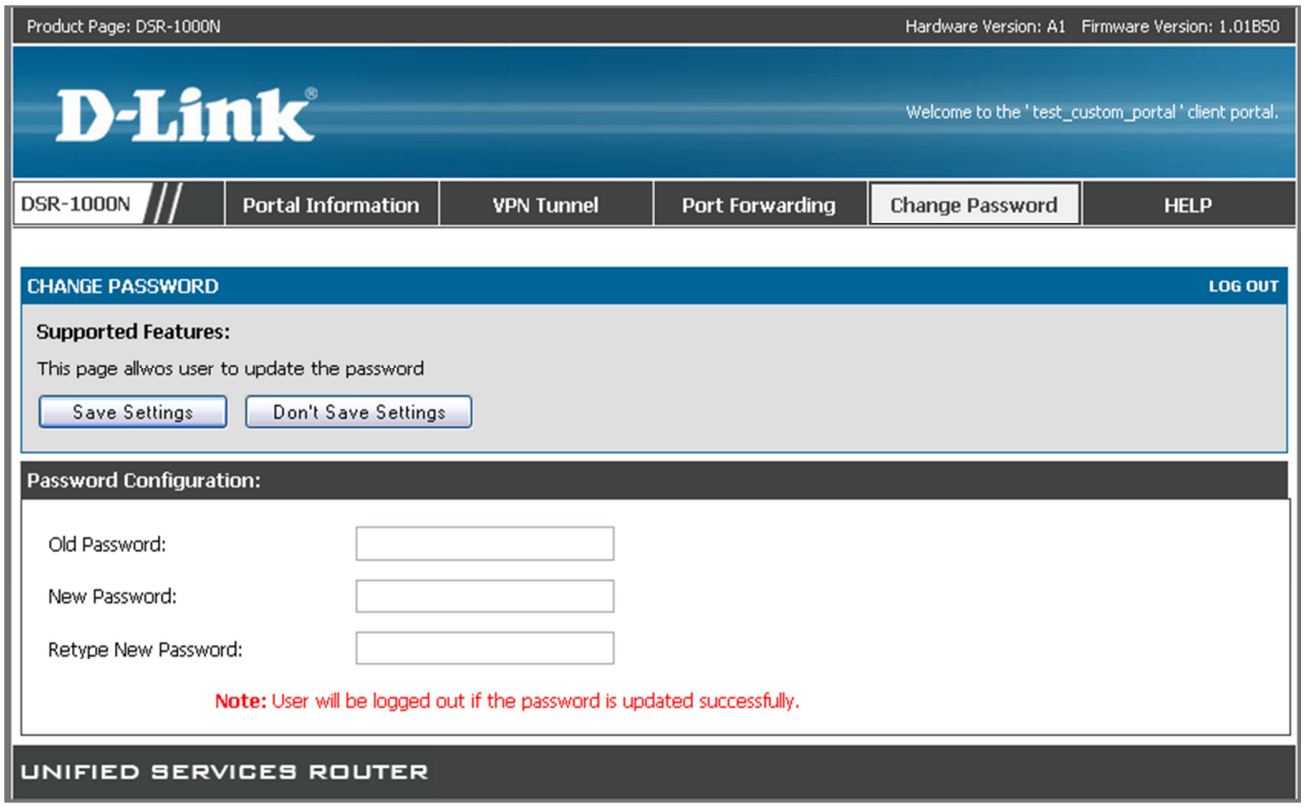

Address https://192.168.10.16/scgi-bin/userPortal/portforwarding?launch=true
Go
Links
This site might require the following ActiveX control: 'MenloLSP.cab' from 'dsr.dlink.com.tw'. Click here to install...
Product Page: DSR-1000N
Hardware Version: A1 Firmware Version: 1.01B50
D-Link
Welcome to the ' test_custom_portal ' client portal.
DSR-1000N
Portal Information
VPN Tunnel
Port Forwarding
Change Password
HELP
PORT FORWARDING
LOG OUT
Supported Features:
This page allows user to establish a Port Forwardin
SSL VPN Port Forwarding Client Installer / Lau
Click the Icon to connect to the remote servers.
Note:
* The active connections can still persist even when browser is closed without uninstalling the Port Forwarding client
Recommendations :
* Always follow this sequence: Uninstall any active clients, logout and close the browser. If recommended steps are followed, it will make the connection safer, easier to maintain and avoid possible errors.
Information Bar
Did you notice the Information Bar?
The Information Bar alerts you when Internet Explorer blocks a pop-up window or file download that might not be safe. If a Web page does not display properly, look for the Information Bar (near the top of your browser).
Do not show this message again.
Learn about the Information Bar...
OK

Internet Explorer - Security Warning
Do you want to install this software?
Name: MenloLSP.cab
Publisher: dsr.dlink.com.tw
More options
Install
Don't Install
While files from the Internet can be useful, this file type can potentially harm your computer. Only install software from publishers you trust. What's the risk?


D-link-SSLVPN-PortForwarding
D-link-SSLVPN-PortForwarding
General
Error
Session Information
Started:
2010/9/16 10:30:58
Active Connections:
0
Sent:
0
Received:
0
Status:
Activated
Pending Connections:
Application
Address
Port
Enable Logging
Uninstall
View Log...
Deactivate
Close


D-link-SSLVPN-PortForwarding
D-link-SSLVPN-PortForwarding
General
Error
Session Information
Started:
2010/9/16 10:38:41
Active Connections:
1
Sent:
0
Received:
0
Status:
Activated
Pending Connections:
Application
Address
Port
yaps
192.168.100.115
80
Enable Logging
Uninstall
View Log...
Deactivate
Close


YAPS - Yet Another Port Scanner
Start Port
80
Start Address
192.168.100.115
Stop Port
80
Stop Address
192.168.100.115
Timeout (ms)
2500
Simultaneous
100
scan ports first
scan IPs first
Resolve names
Continuous
Hide Errors
Probe Ports
Start
Stop
Close
Clear
About
192.168.100.115:80 connect 1
Started scan
192.168.100.115:80 -> www-http (World Wide Web HTTP)
Stopping scan


Product Page: DSR-1000N
Hardware Version: A1 Firmware Version: 1.01B50
D-Link
Welcome to the ' test_custom_portal ' client portal.
DSR-1000N
Portal Information
VPN Tunnel
Port Forwarding
Change Password
HELP
CHANGE PASSWORD
LOG OUT
Supported Features:
This page allwos user to update the password
Save Settings
Don't Save Settings
Password Configuration:
Old Password:
New Password:
Retype New Password:
Note: User will be logged out if the password is updated successfully.
UNIFIED SERVICES ROUTER