SSL VPN Split Tunnel



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

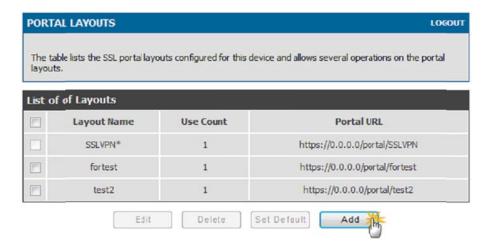
DSR-1000N Setup

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





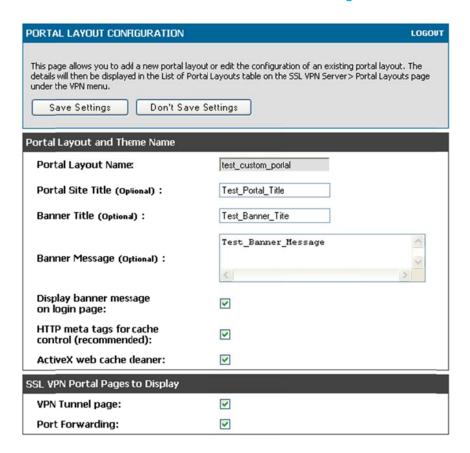
Step 2) Click "Add" to add a Portal.



Under Portal configuration enter information into the following:

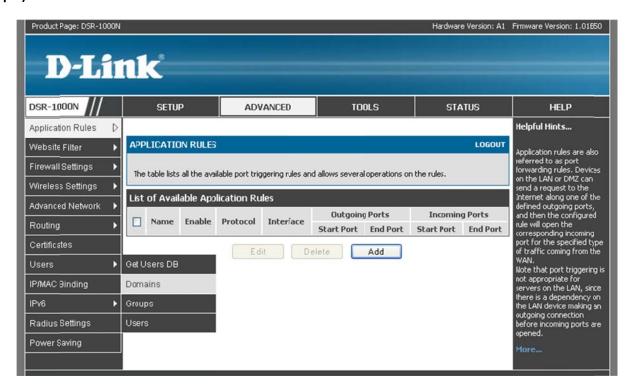
- Portal Layout Name: Enter in a name for the Portal
- Portal Site Title: Enter in a Title, this can be left blank
- Banner Message: Enter in a Message, this can be left blank

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

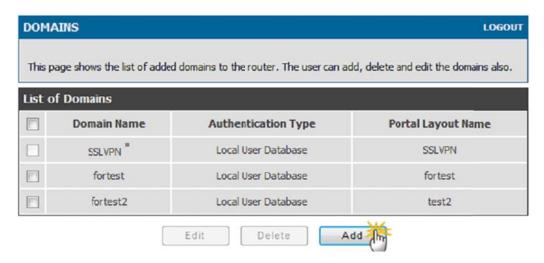




Step 3) Go to ADVANCE > Users > Domains.



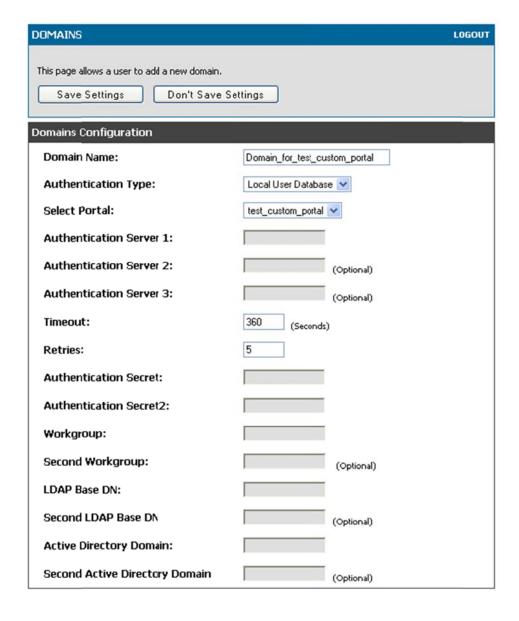
Click "Add" to create a domain object.



Under Domain enter in the following:

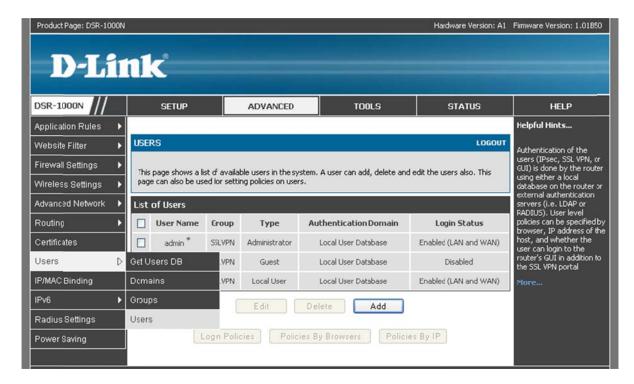
- Domain Name: Enter in a name for the Domain
- Authentication Type: Select Local User Database
- Select Portal: Select the name of the Portal that was added before
- Time out: Set to 360

Click "Save Settings" once done.

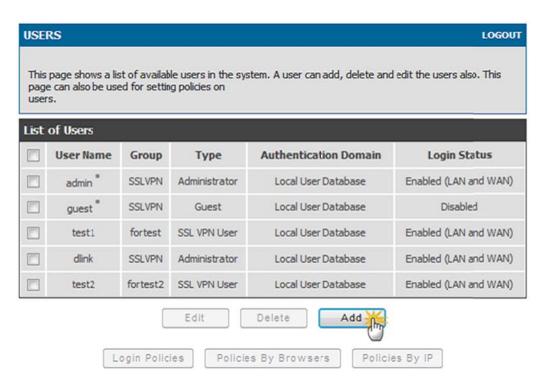




Step 4) Go to ADVANCED > Users > Users



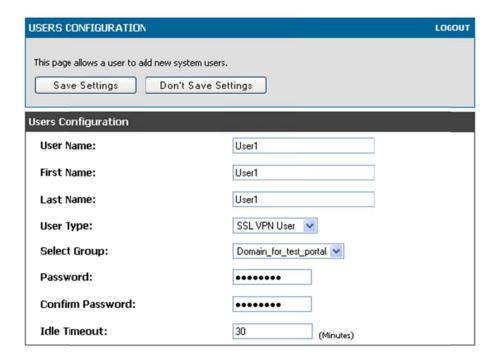
Click on "Add"



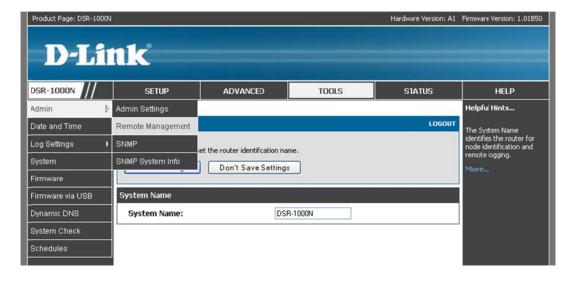
Under User Configuration enter in the following:

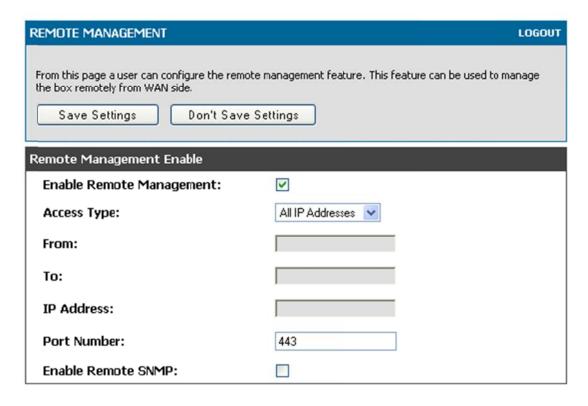
- User Name: A name for the use(this is used when the user logs in).
- First Name: First name of user
- Last Name: The last name
- User Type: Leave as is (SSL VPN User)
- Select Group: Enter in the name of the Portal that was added in step 2.

Once done select "Save Settings"

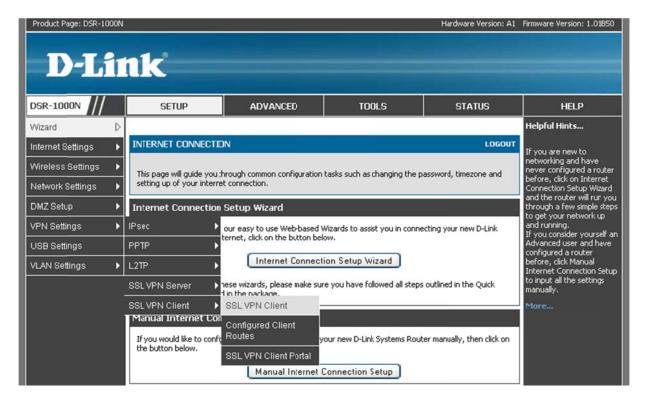


Step 5) Go to TOOLS > Admin > Remote Management

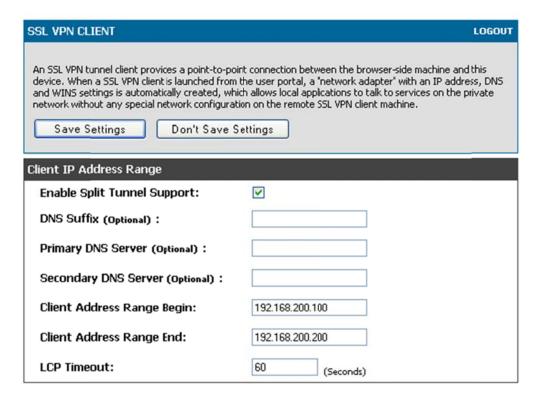




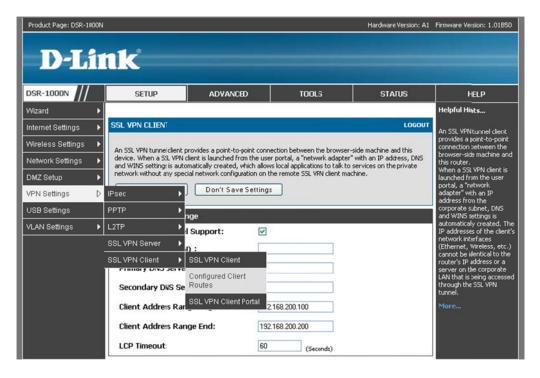
Step 6) Go to SETUP > VPN Settings > SSL VPN Client > SSL VPN Client







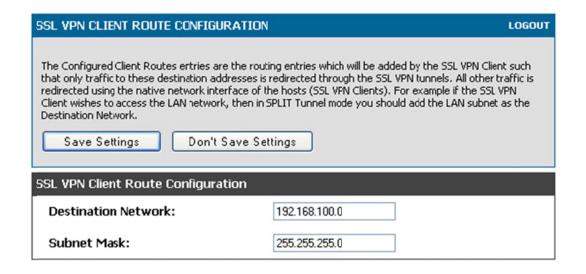
Step 7) Go to ADVANCED > VPN Settings > SSL VPN Client > Configured Client Routes.



Under Configured Client routes click "Add".



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

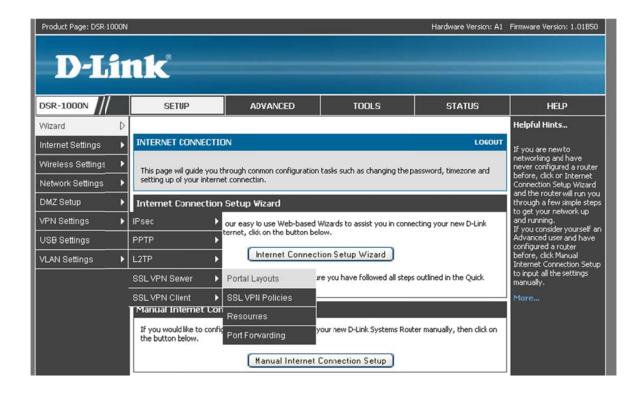


Once done click "Save Settings", this is the last step on the DSR-1000N.



Client test / setup.

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.

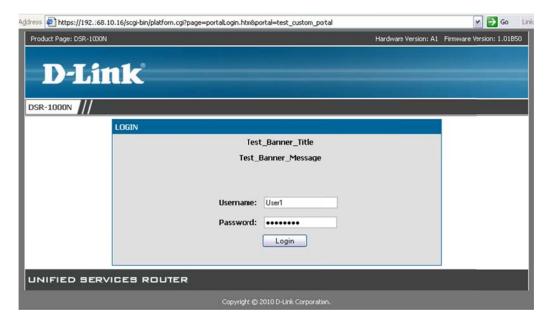




Step 2) From the Client PC enter in the Portal URL (as seen in step 1).

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

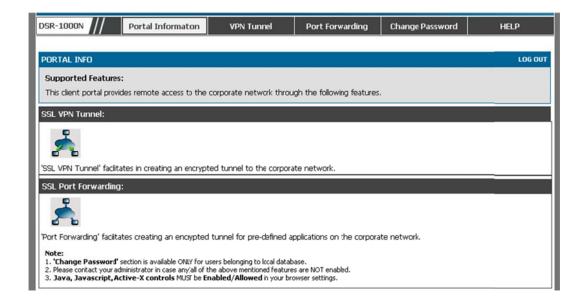
This will bring up a page asking for a Username / password, enter in the Username / Password that you entered in on page 5 of the guide.



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

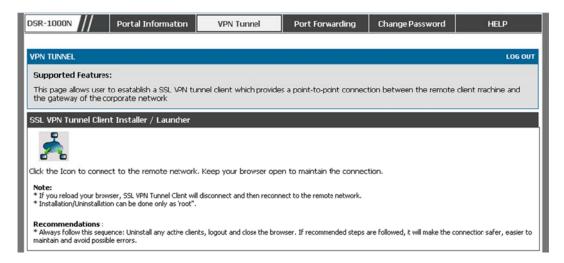
SSL VPN Tunnel: Used to all full access to the remote site.

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

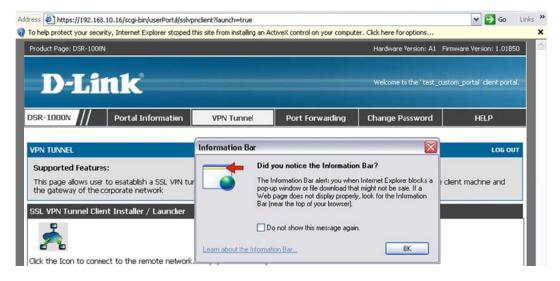




Step 3) Select VPN Tunnel tab at the top of the page

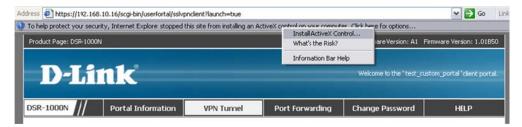


Then click on "SSL VPN Tunnel", this will pop up a box at the top of the page and a warning (as seen below).



Click on "OK" to close the Information bar.

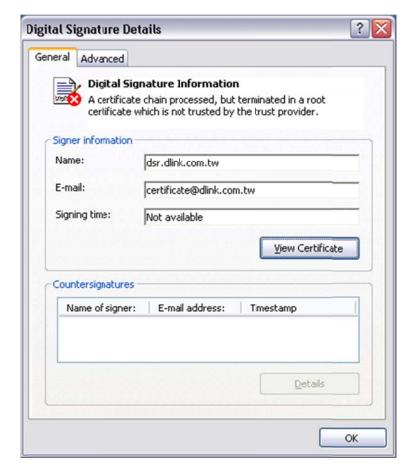
Next click on the bar at the top of the page and select "Install ActiveX Control".



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.



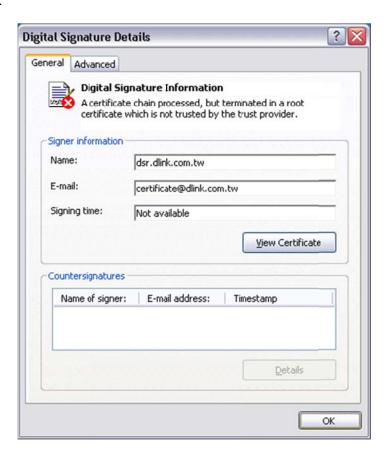
Then Click "OK"



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

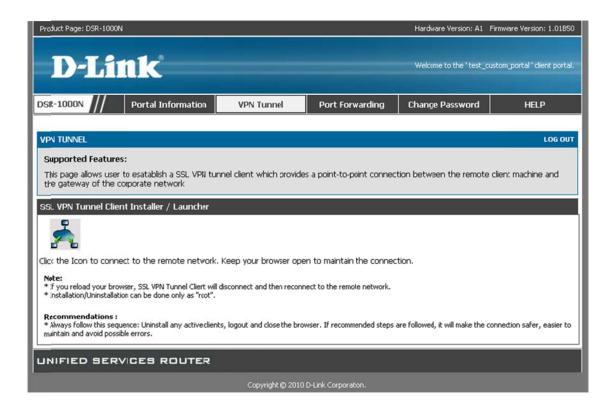


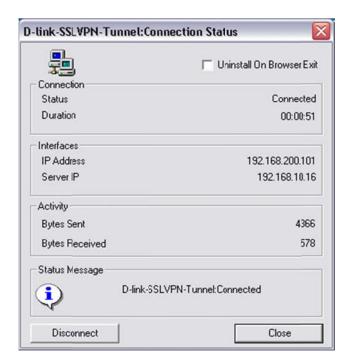
Once done Click "OK".



If you get a Security Warning Click on "OK"









```
C:\WINDOWS\system32\cmd.exe

C:\Documents and Settings\TechLaptop\ping 192.168.100.5

Pinging 192.168.100.5 with 32 bytes of data:

Reply from 192.168.100.5: bytes=32 time=2ms TTL=64
Reply from 192.168.100.5: bytes=32 time=1ms TTL=64
Reply from 192.168.100.5: bytes=32 time=1ms TTL=64
Reply from 192.168.100.5: bytes=32 time=1ms TTL=64
Ping statistics for 192.168.100.5:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Mininum = 1ms, Maximum = 2ms, Average = 1ms

C:\Documents and Settings\TechLaptop\_
```

Port forward

