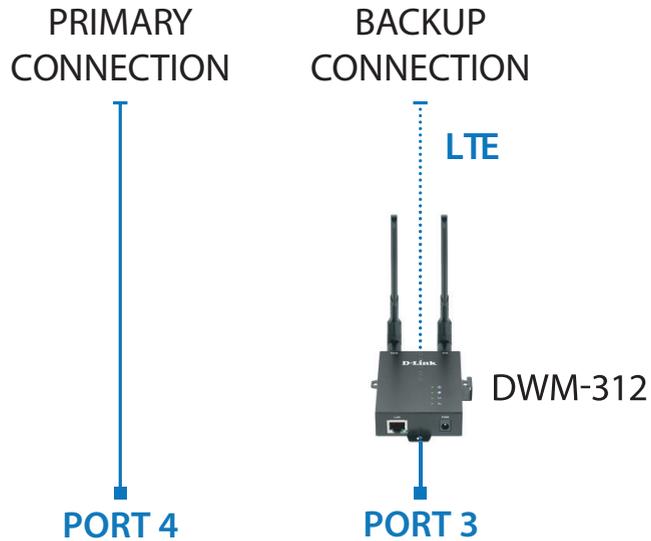


How to Setup the DWM-312 and Barracuda CloudGen F-Series Firewall for Connection Failover

TOPOLOGY



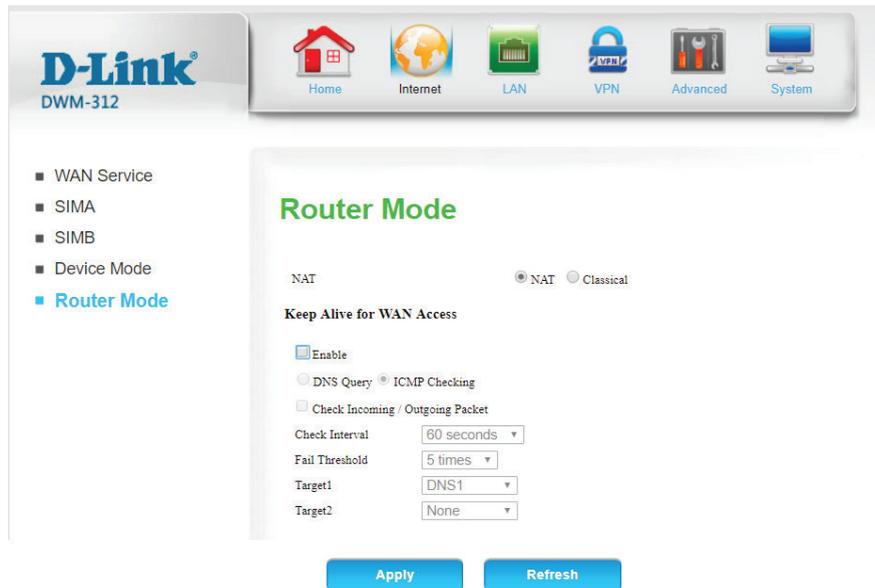
Barracuda CloudGen F-Series FIREWALL

STEP 1. To set the DWM-312 4G LTE Modem in Bridge Mode, connect it to your computer and log into it via <http://192.168.0.1>.

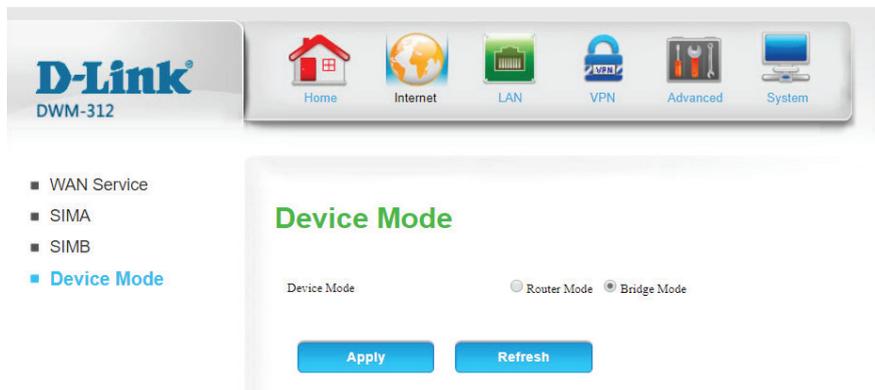
- » Select "Internet" from the top menu. Then select SIMA > APN Settings. Set "Dial-Up Profile" to Manual. Choose your Country and your Telco. Click on "Apply".

The screenshot shows the D-Link DWM-312 web interface. The top navigation bar includes Home, Internet, LAN, VPN, Advanced, and System. The left sidebar lists WAN Service, SIMA (with sub-items: Network Status, APN Settings, APN Configuration, Connection Settings, SIM Card Settings, IPv4 and IPv6 info), SIMB, and Device Mode. The main content area is titled 'SIMA' and shows 'APN Settings'. The 'Dial-Up Profile' is set to 'Manual'. The 'Country' is set to 'Australia' and 'Telecom' is set to 'Telstra'. Other fields include Username, Password, Dialed Number (*99#), Authentication (Auto), APN (telstra.internet), PIN Code, Primary DNS Server, and Secondary DNS Server. 'Apply' and 'Refresh' buttons are at the bottom.

- » Select "Router Mode" > Disable the "Keep Alive for WAN Access" option > Click on "Apply".



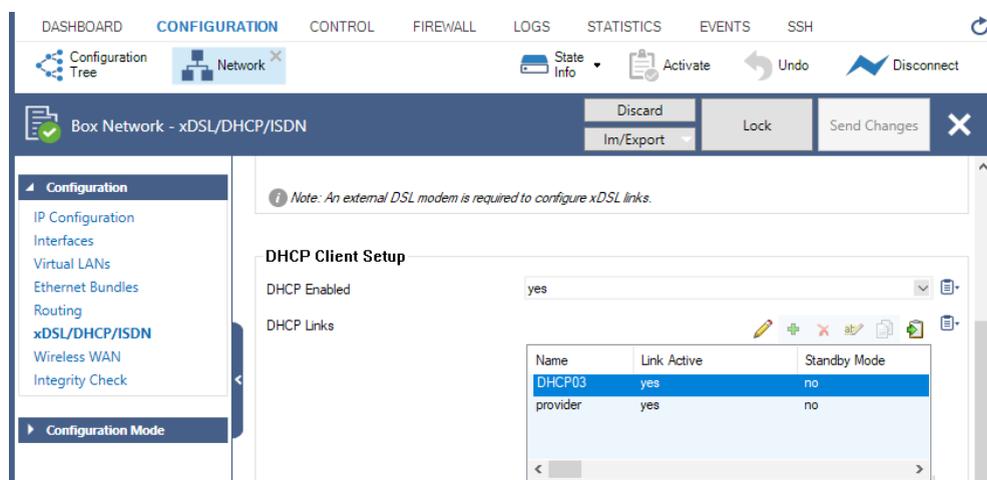
- » Select "Device Mode" > Select "Bridge Mode" > Click on "Apply".



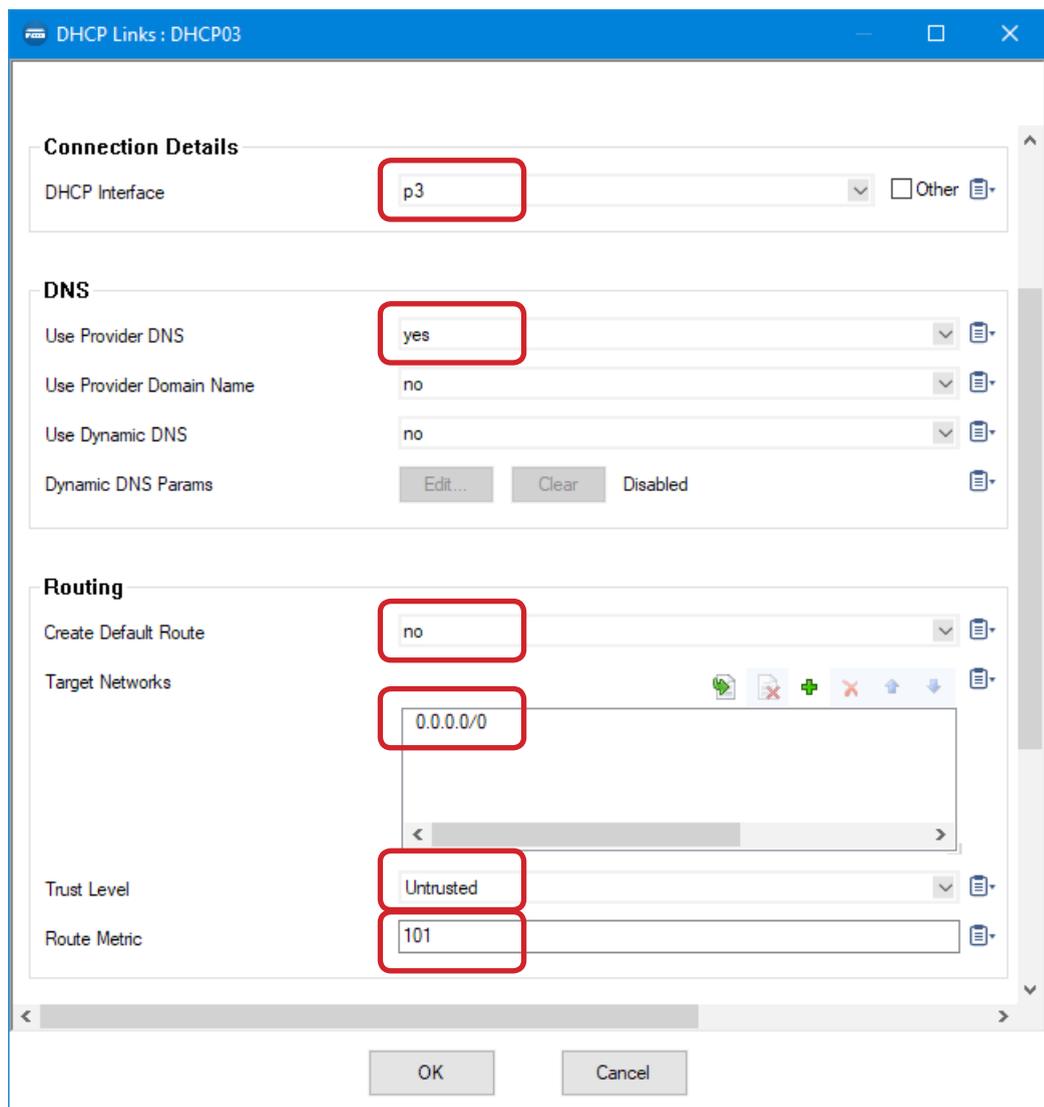
- » The Setup is complete for DWM-312 in Bridge Mode.

STEP 2. Setting up Barracuda CloudGen F-Series Firewall for failover from Primary Connection to Backup Connection.

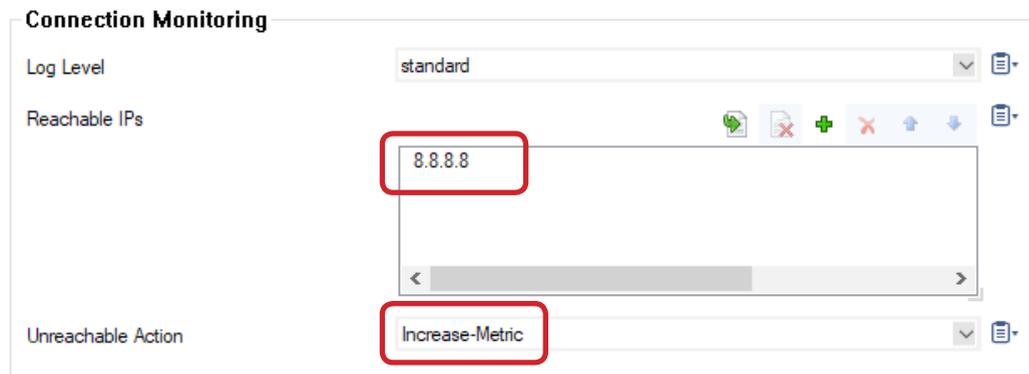
- » Go to Configuration > Configuration Tree > Box > Network.
- » Click on **xDSL/DHCP/ISDN** on the left and then click on "Lock".



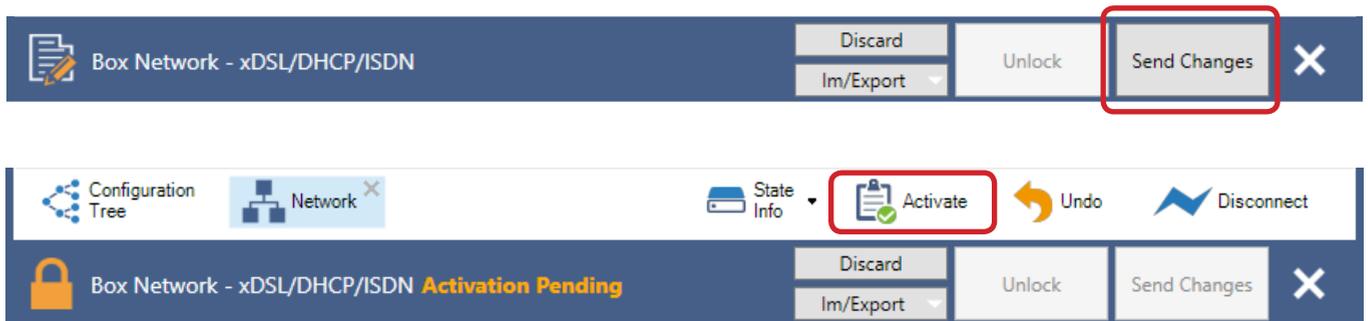
- » Under **DHCP Client Setup**, set “DHCP Enabled” to “Yes”.
- » Under **DHCP Links** click on + to add a new entry. Give it a name (“DHCP03” in our example).
- » Under **Connection Details** set “DHCP Interface” to “p3” (port 3).
- » Under **DNS** set “Use Provider DNS” to “Yes”.
- » Under **Routing** set “Create Default Route” to “No”.
- » Under **Target Networks** click on + and add a new entry “0.0.0.0/0”.
- » Set **Trust Level** to “Untrusted”.
- » Set **Route Metric** to 101 (if your primary Internet connection route metric is set to 100).



- » Configure **Connection Monitoring**. Under **Connection Monitoring** in the “Reachable IPs” section click on + to add an IP address which will be used to monitor the connection (in our example we are using 8.8.8.8)
- » Under **Unreachable Action** select “Increase-Metric”.
- » Click on **OK**.



- » Enable **Connection Monitoring** for your Primary Internet connection (DHCP link “provider” in our example), as described in step C above. Click on OK.
- » Activate the new configuration: click on “Send Changes” and then on “Activate”.



- » Your Setup is complete.