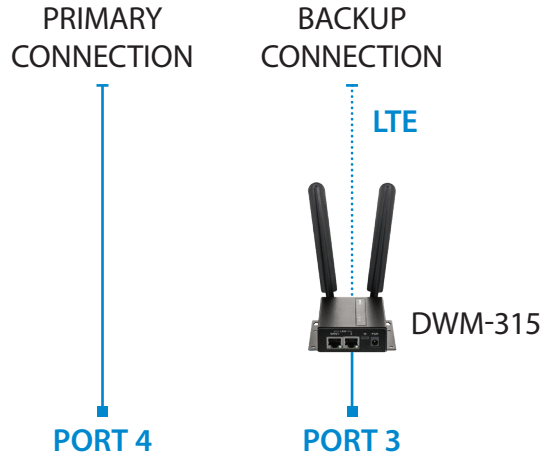


How to Setup the DWM-315 with **Barracuda CloudGen F-Series Firewall** for Connection Failover

TOPOLOGY



STEP 1. To setup the DWM-315 4G LTE M2M Router in Bridge Mode, connect it to your computer and log into it via <http://192.168.0.1>.

After logging in, go to **WAN & Uplink > Connection Setup**. Under **WAN-1** click on the "Edit" button.

The screenshot shows the D-Link DWM-315 web interface. The navigation menu on the left includes Status, Basic Network, WAN & Uplink, LAN & VLAN, and IPv6. The main content area is titled 'Connection Setup' and displays the 'Internet Connection List' table.

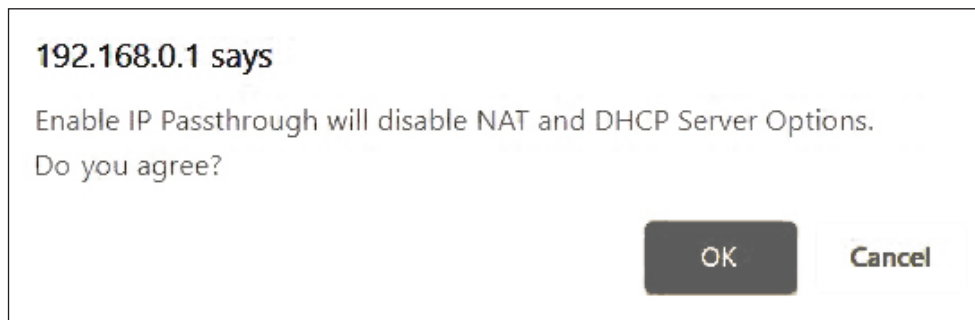
Interface Name	Physical Interface	Operation Mode	WAN Type	Action
WAN-1	3G/4G	Always on	3G/4G	Edit
WAN-2	-	Disable	-	Edit

Scroll down to the 3G/4G Connection Common Configuration.

Under IP Passthrough (Cellular Bridge) tick the "Enable" option.

3G/4G Connection Common Configuration	
Item	Setting
▶ Connection Control	Auto-reconnect ▾
▶ Time Schedule	(0) Always ▾
▶ MTU Setup	<input type="checkbox"/> Enable
▶ IP Passthrough (Cellular Bridge)	<input checked="" type="checkbox"/> Enable Fixed MAC: <input type="text"/>
▶ NAT	<input type="checkbox"/> Enable
▶ IGMP	Disable ▾
▶ WAN IP Alias	<input type="checkbox"/> Enable 10.0.0.1

Click on "Save" and confirm that switching to Bridge Mode will disable NAT and DHCP.



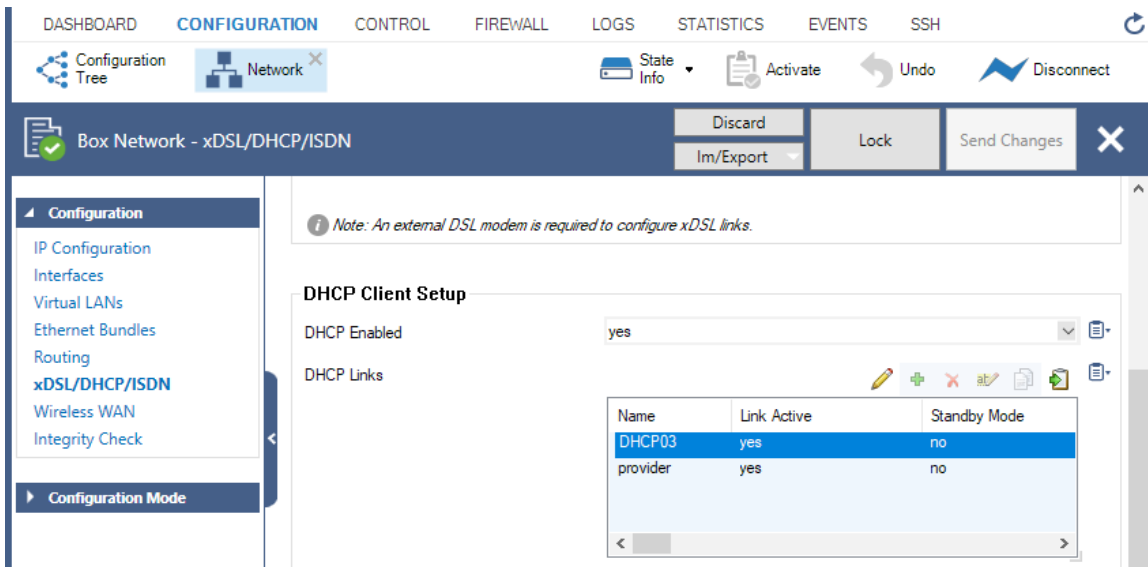
The Setup is complete for DWM-315 in Bridge Mode.

See next page to setup Barracuda CloudGen F-Series Firewall for failover.

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

- a. Go to Configuration > Configuration Tree > Box > Network.

Click on **xDSL/DHCP/ISDN** on the left and then click on "Lock".



- b. 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".

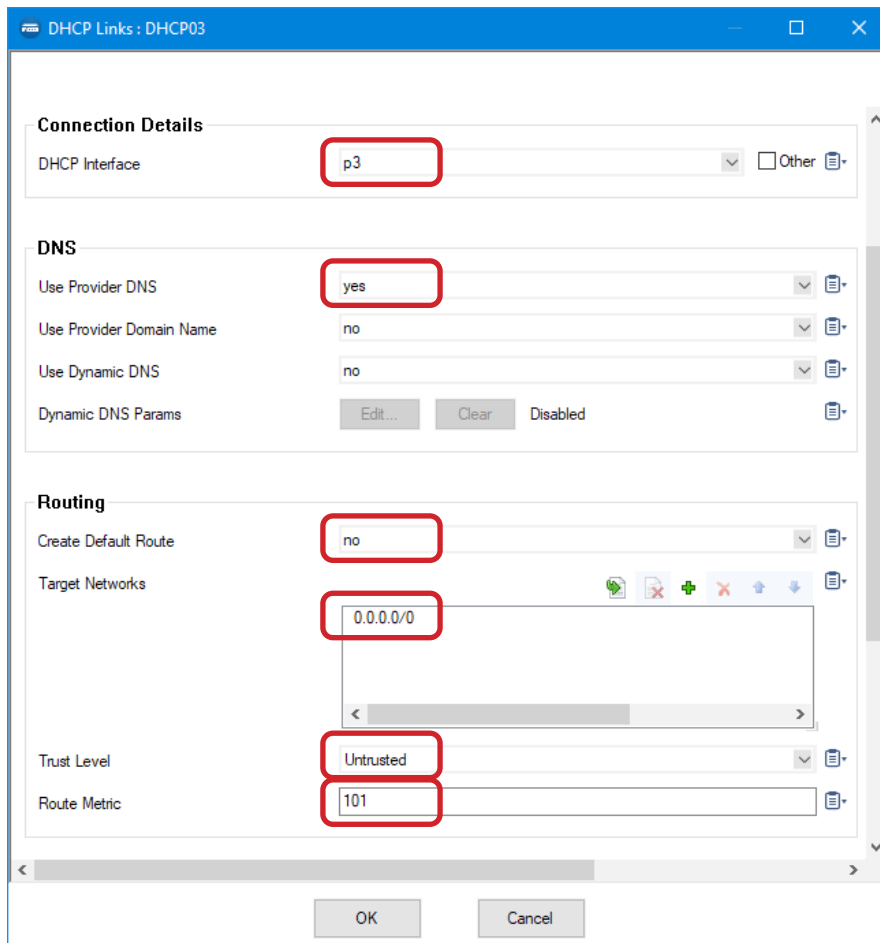
Under DNS set "Use Provider DNS" to "Yes".

Under Routing set "Create Default Route" to "No".

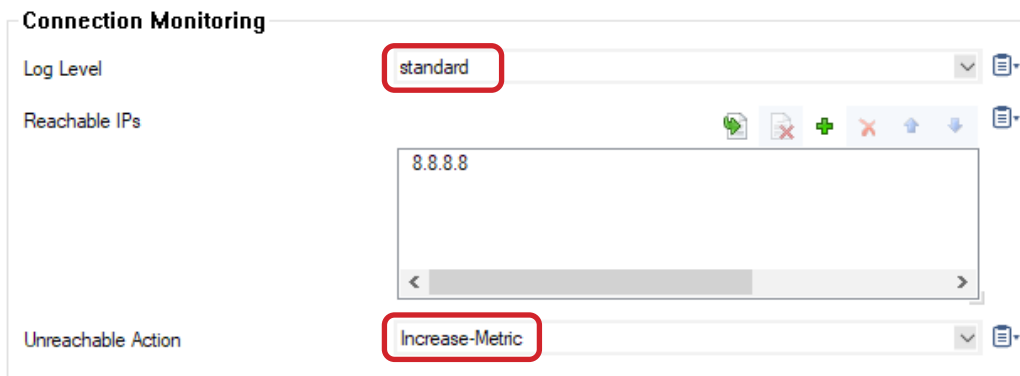
Under Target Networks click on + and add a new entry "0.0.0.0/0".

Set Trust Level to "Untrusted".

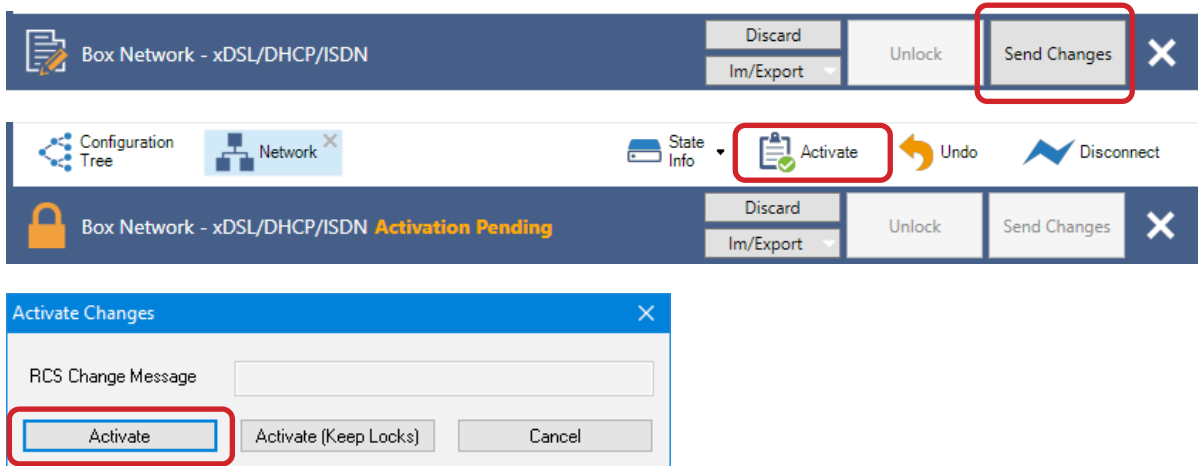
Set Route Metric to 101 (if your primary Internet connection route metric is set to 100).



- c. 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**.



- d. 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.

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