

Configuring IP Passthrough with a SonicWall Firewall

This document presents procedures for configuring the SonicWall firewall to work with passthrough.

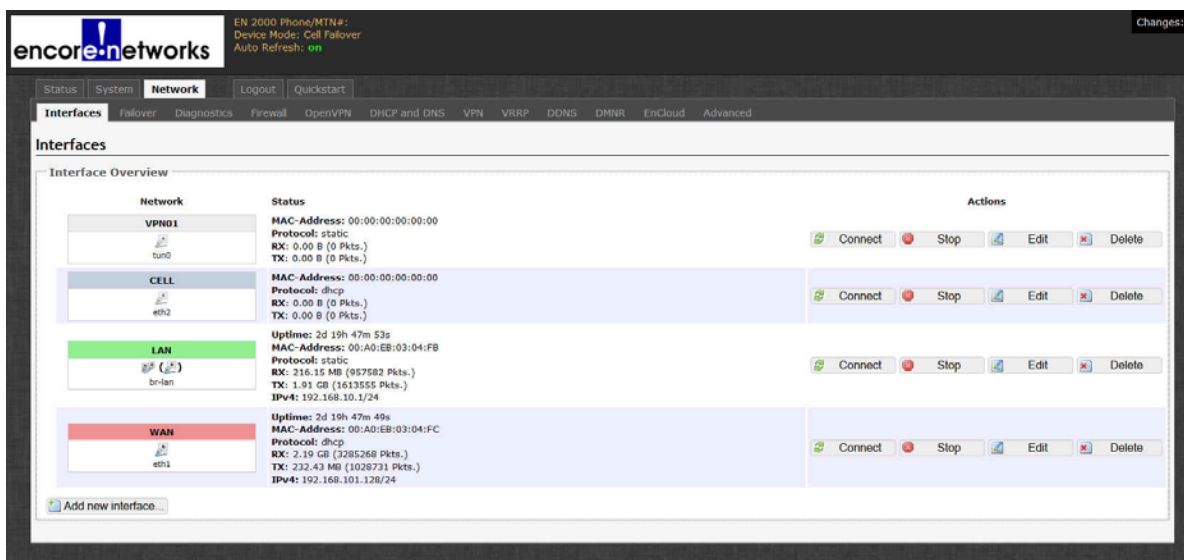
After setting up the EN™ router's standard configuration, perform the procedures in the following sections:

- [Section 7.1, Configuring the EN™ Router's LAN Port](#)
- [Section 7.2, Configuring the SonicWall Device](#)

7.1 Configuring the EN™ Router's LAN Port

- 1 In the EN™ router's management system, select the tab for **Network**; then select the tab for **Interfaces**.
 - » The Table of Network Interfaces is displayed ([Figure 7-1](#)).

Figure 7-1. Table of Network Interfaces



- 2 On the screen, select the **Edit** button near the right end of the row for the LAN interface.

- » The General Settings for LAN Configuration Screen is displayed (Figure 7-2).

Figure 7-2. General Settings for LAN Configuration Screen

The screenshot shows the Encore Networks web interface. At the top, there is a navigation menu with options: Status, System, Network, Logout, and Quickstart. Below the menu, the 'Interfaces - LAN' section is active. The 'Common Configuration' section has tabs for 'General Setup', 'Advanced Settings', and 'Physical Settings'. The 'General Setup' tab is selected, showing the following configuration:

- Status: Uptime: 2d 19h 49m 26s, MAC-Address: 00:A0:EB:03:04:FB, RX: 216.18 MB (957885 Pkts.), TX: 1.91 GB (1613917 Pkts.), IPv4: 192.168.10.1/24
- Protocol: Static address
- IPv4 address: 192.168.10.1
- IPv4 netmask: 255.255.255.0
- IPv4 gateway: (empty)
- IPv4 broadcast: (empty)
- Use custom DNS servers: (empty)

The 'DHCP Server' section has tabs for 'General Setup' and 'Advanced Settings'. The 'General Setup' tab is selected, showing the following configuration:

- Ignore interface: Disable DHCP for this interface.
- Start: 100 (Lowest leased address as offset from the network address.)
- Limit: 150 (Maximum number of leased addresses.)
- Leasetime: 12h (Expiry time of leased addresses, minimum is 2 Minutes (2m).)

The 'Static Leases' section has a table with columns for Hostname, MAC-Address, and IPv4-Address. The table is currently empty, with a note: 'This section contains no values yet'. There is an 'Add' button at the bottom left of the table. At the bottom right of the screen, there are three buttons: 'Reset', 'Save', and 'Save & Apply'.

- 3 On the General Settings for LAN Configuration Screen, change the LAN IP address from 192.168.10.1 to 166.a.b.1. (**Note:** The last octet is **1**.) This will be your new local management address.
- 4 Set the subnet mask to **255.255.255.0**.
- 5 Click the **Save and Apply** button (in the lower right corner of the screen).
 - » The changes are made, and the Network Interface screen is redisplayed.

7.2 Configuring the SonicWall Device

Note: The device discussed in this section is not a device of Encore Networks, Inc. Confer with that device's vendor for information about that product.

- 1 On the SonicWall firewall, configure the network port (the port that is connected to the EN™ router's LAN port that was configured in [Section 7.1, Configuring the EN™ Router's LAN Port](#)) with the IP address 166.a.b.c (the Verizon Wireless static address) and the gateway address 166.a.b.1.
- 2 Configure the **MTU** to **1400** or less.
- 3 Save the SonicWall device's configuration.