

Configuring IP Passthrough with a SonicWall Firewall

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

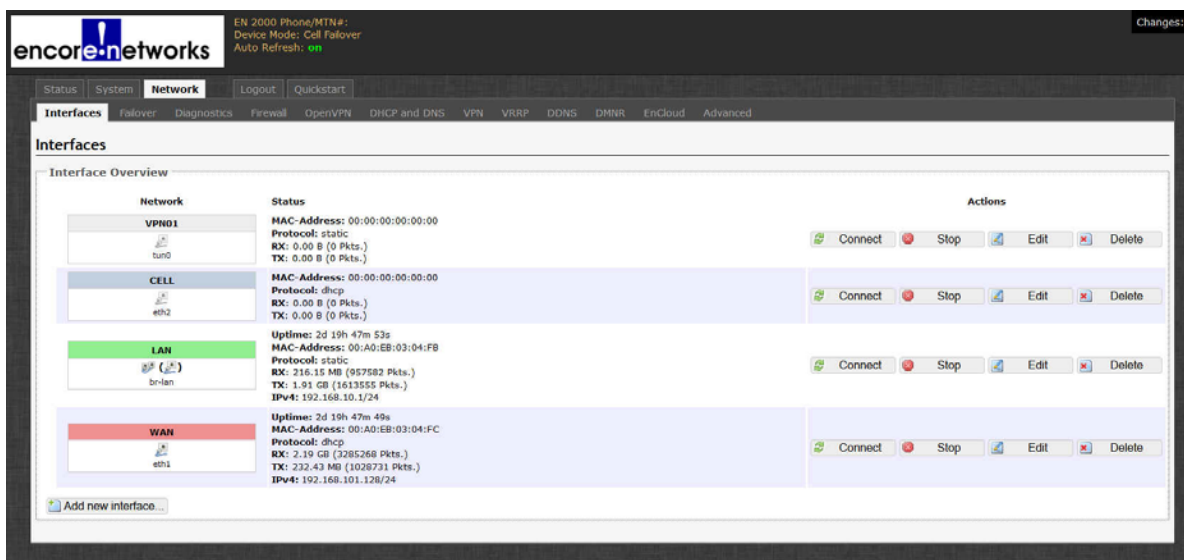
After setting up the EN™ router's standard configuration, perform the procedures in the following sections:

- [Section 8.1, Configuring the EN™ Router's LAN Port](#)
- [Section 8.2, Configuring the SonicWall Device](#)

8.1 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 8-1](#)).

Figure 8-1. 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 8-2).

Figure 8-2. General Settings for LAN Configuration Screen

The screenshot shows the Encore Networks web interface for configuring a LAN interface. The main content area is titled "Interfaces - LAN" and contains three sections:

- Common Configuration:** Includes tabs for "General Setup", "Advanced Settings", and "Physical Settings". The "General Setup" tab is active, showing fields for Protocol (Static address), IPv4 address (192.168.10.1), IPv4 netmask (255.255.255.0), IPv4 gateway, IPv4 broadcast, and Use custom DNS servers. A status box shows: 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.
- DHCP Server:** Includes tabs for "General Setup" and "Advanced Settings". The "General Setup" tab is active, showing a checkbox for "Disable DHCP for this interface." (unchecked), a "Start" field (100), a "Limit" field (150), and a "Leasetime" field (12h).
- Static Leases:** A section for assigning fixed IP addresses and symbolic hostnames to DHCP clients. It includes 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." and an "Add" button.

At the bottom right of the interface, there are buttons for "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.

8.2 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 8.1, 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.