

Configuring IP Passthrough with a SonicWall Firewall

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

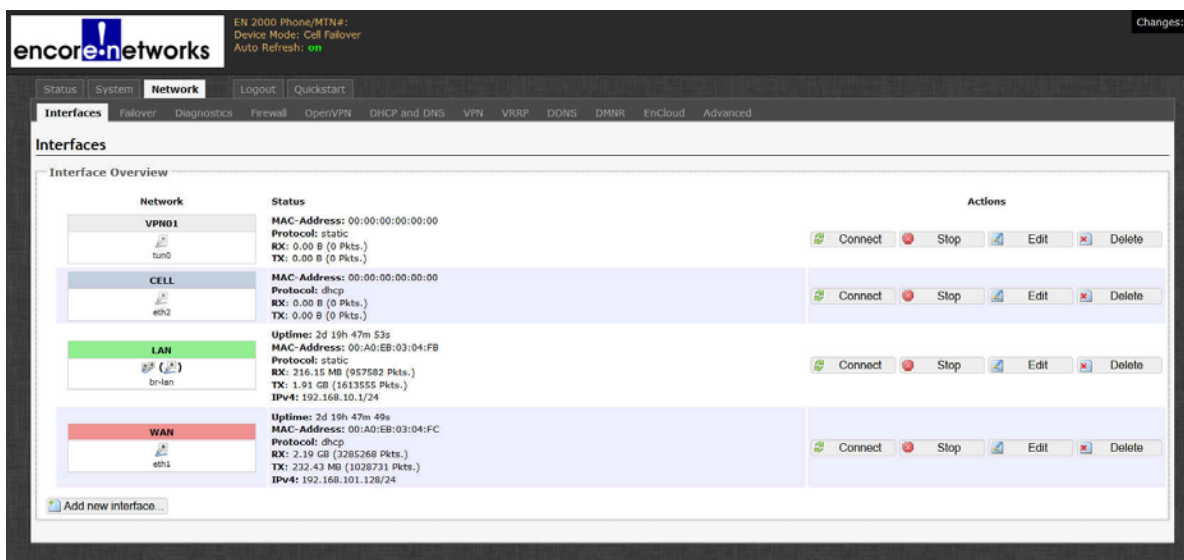
After setting up the EN™ router's standard configuration, perform the procedures in the following sections:

- [Section 11.1, Configuring the EN™ Router's LAN Port](#)
- [Section 11.2, Configuring the SonicWall Device](#)

11.1 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 11-1](#)).

Figure 11-1. 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 11-2).

Figure 11-2. 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, there are tabs for various network services: Interfaces, Failover, Diagnostics, Firewall, OpenVPN, DHCP and DNS, VPN, VRRP, DDNS, DMNR, EncCloud, and Advanced. The main content area is titled "Interfaces - LAN" and contains three sections:

- Common Configuration:** Includes a "General Setup" tab and a "Physical Settings" tab. 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.), and IPv4: 192.168.10.1/24.
- DHCP Server:** Includes a "General Setup" tab and an "Advanced Settings" tab. 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 message: "This section contains no values yet." and an "Add" button.

At the bottom right of the interface, 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.

11.2 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 11.1, 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.