

Configuring IP Passthrough with a SonicWall Firewall

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

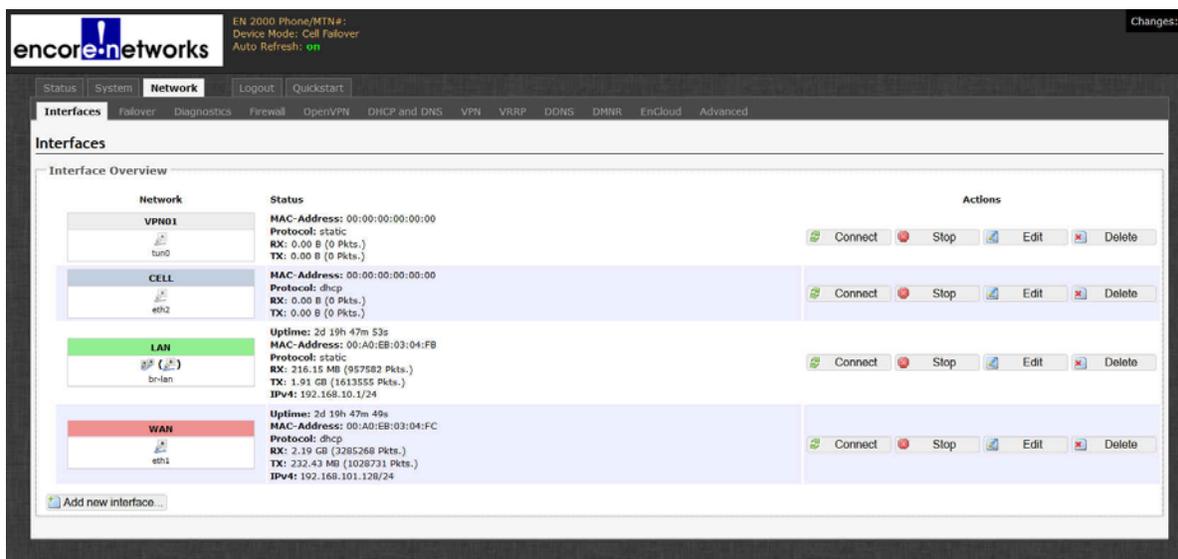
After setting up the EN™ router's standard configuration, perform the procedures in the following sections:

- [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 displays the 'General Settings for LAN Configuration' screen in the Encore Networks web interface. The interface is organized into several sections:

- Common Configuration:**
 - General Setup:** Includes tabs for 'General Setup', 'Advanced Settings', and 'Physical Settings'.
 - Status:** Shows system information such as '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'.
 - Protocol:** Set to 'Static address'.
 - IPv4 address:** Set to '192.168.10.1'.
 - IPv4 netmask:** Set to '255.255.255.0'.
 - IPv4 gateway:** Empty field.
 - IPv4 broadcast:** Empty field.
 - Use custom DNS servers:** Empty field with a help icon.
- DHCP Server:**
 - General Setup:** Includes tabs for 'General Setup' and 'Advanced Settings'.
 - Ignore interface:** Checked checkbox with the label 'Disable DHCP for this interface.'
 - Start:** Set to '100' with the note 'Lowest leased address as offset from the network address.'
 - Limit:** Set to '150' with the note 'Maximum number of leased addresses.'
 - Leasetime:** Set to '12h' with the note 'Expiry time of leased addresses, minimum is 2 Minutes (2m).'
- Static Leases:**
 - Text: 'Static leases are used to assign fixed IP addresses and symbolic hostnames to DHCP clients. They are also required for non-dynamic interface configurations where only hosts with a corresponding lease are served. Use the Add Button to add a new lease entry. The MAC-Address identifies the host, the IPv4-Address specifies to the fixed address to use and the Hostname is assigned as symbolic name to the requesting host.'
 - Table with columns: Hostname, MAC-Address, IPv4-Address.
 - Text: 'This section contains no values yet.'
 - Button: 'Add'.

At the bottom right of the screen, there are three buttons: 'Reset' (red), 'Save' (green), and 'Save & Apply' (green).

- 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.