

# OPNSENSE IN BRIDGE MODE

- [Step by step Guide](#)

# Step by step Guide

## Configuration Steps

- 1. Disable Outbound NAT Rule Generation**

Navigate to **Firewall > NAT > Outbound** and select **Disable Outbound NAT rule generation**. This ensures that the firewall doesn't alter the source IP addresses of packets passing through the bridge.
- 2. Adjust System Tunables**

Go to **System > Settings > Tunables** and modify the following parameters:

  - Set `net.link.bridge.pfil_bridge` to `1` to enable filtering on the bridge.
  - Set `net.link.bridge.pfil_member` to `0` to disable filtering on the individual interfaces.
- 3. Create the Bridge Interface**

Navigate to **Interfaces > Other Types > Bridge** and add a new bridge. Select the interfaces you wish to include in the bridge (e.g., LAN and WAN).
- 4. Assign a Management IP**

Go to **Interfaces > Assignments**, select the newly created bridge interface, and assign it an IP address for management purposes.
- 5. Disable Block Private Networks & Bogons**

In **Interfaces > [Bridge]**, uncheck the options for **Block private networks** and **Block bogon networks** to allow all IP addresses to pass through the bridge.
- 6. Disable DHCP Server on LAN**

Ensure that the DHCP server is disabled on the LAN interface to prevent it from assigning IP addresses to devices connected to the bridge.
- 7. Add Allow Rules**

Navigate to **Firewall > Rules > [Bridge]** and add rules to allow traffic as needed. For a basic setup, you can allow all traffic to pass through.
- 8. Disable Default Anti-Lockout Rule**

In **Firewall > Rules > [Bridge]**, disable the default anti-lockout rule to prevent being locked out of the management interface.
- 9. Set Interface Types to 'None'**

Go to **Interfaces > [LAN]** and **Interfaces > [WAN]**, and set the interface types to **None**. This ensures that these interfaces are part of the bridge and not assigned IP addresses.
- 10. Apply Changes**

After completing the above steps, apply the changes to activate the transparent filtering bridge.

## ?? Important Notes

- During the configuration process, you will be prompted to apply changes multiple times. It's crucial to save all changes before applying them to avoid losing access to the

management interface.

- Ensure that the firewall rules are correctly configured to allow necessary traffic; otherwise, you may inadvertently block legitimate connections.

You can also find Opnsense documentation [Here](#)