

# How To Configure a OPNsense Firewall

Step 1. Go to: <https://opnsense.org/download/> download the correct image for your system and flash it with Balena-Etcher (or Rufus).

Step 2. Make sure all hardware (Especially motherboards) are up to date, run any firmware updates needed.

Step 3. Boot from the Usb boot device. follow the on-screen prompt to install OPNsense to your SSD or HDD. Select the drive that will be imaged and will boot OPNSense.

Step 4. Next it will prompt you to setup you WAN and LAN Interfaces which you will want to have connected at this time. Setup your WAN as your connection from modem. Configure the IP address to be configured with DHCP.

Step 5. For Lan interface, setup the connection that runs from your firewall to a switch or access point (For WiFi setup) setup the interface to have a static IP address in one of the private IP address ranges. Turn on the dhcp server for the LAN interface.

Step 6. Change Root Password to something complex. Click "Finish install" it will reboot, remove your boot usb so that you do not boot back into the install environment.

Step 7. Presto, you should now boot up it will check all hardware and WAN and LAN interfaces and then introduce you to a login screen. Login with your root credentials and you are greeted with a Admin page in console that you can use to do various tasks.

Step 8. plug your computer into the LAN interface of the firewall. Navigate to the static IP address of the LAN interface that you have configured. This will load the Web-GUI. Log into the GUI with the root credentials that you setup during first configuration.

Step 9. To setup Multi-LAN ports on the firewall machine, make another interface assignment that uses another Ethernet port on the firewall. go into devices >Bridge and create a bridge. Only put that new interface port into the Bridge. Now go to interface assignments and at the LAN Interface, select Bridge. This will disconnect you from the firewall, to load back in, disconnect your computer from the LAN port and plug it into the port that you entered into the bridge. Once back in, go to the bridge and add in the original Lan interface into the bridge. Now you can connect multiple Lan connections to the Firewall.

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