Setting a Static IP Address on macOS

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Instructions

Step 1: Open Network Preferences

1. Access System Settings:
    a. Click on the Apple menu (Apple icon at the top-left corner of the screen).
    b. Select System Settings.
2. Navigate to Network Settings:
    a. In the System Settings window, click on Network.

Step 2: Select Network Interface

1. Choose the Ethernet Interface:
    a. In the Network settings, select the Ethernet interface you are using.
2. For USB Ethernet Adapters:
    a. If using a USB Ethernet adapter, ensure it's connected.
    b. It might be listed under various names such as USB Ethernet, Thunderbolt Ethernet, USB 10/100/1000 LAN, or another similar name.
    Please note, if you have the same adapter listed twice, but with different numbers at the end of the name (e.g. USB 10/100/1000 LAN and USB 10/100/1000 LAN 2) please select the one with the green dot beneath it from the list, the green dot indicates this adapter is the one in use.

Step 3: Set a Static IP

1. Open Details:
    a. Click on Details next to the selected Ethernet interface.
2. Configure IPv4 Manually:
    a. Go to the TCP/IP tab.
    b. From the Configure IPv4 dropdown menu, select Manually.
3. Enter IP Details:

    IP Address: Enter 172.31.255.123.

    Subnet Mask: Enter 255.255.0.0.

    Router: Leave this field blank (not needed).

4. Save Changes:
    a. Click OK to apply the new settings.