NDR Installation Guide NUC Hardware
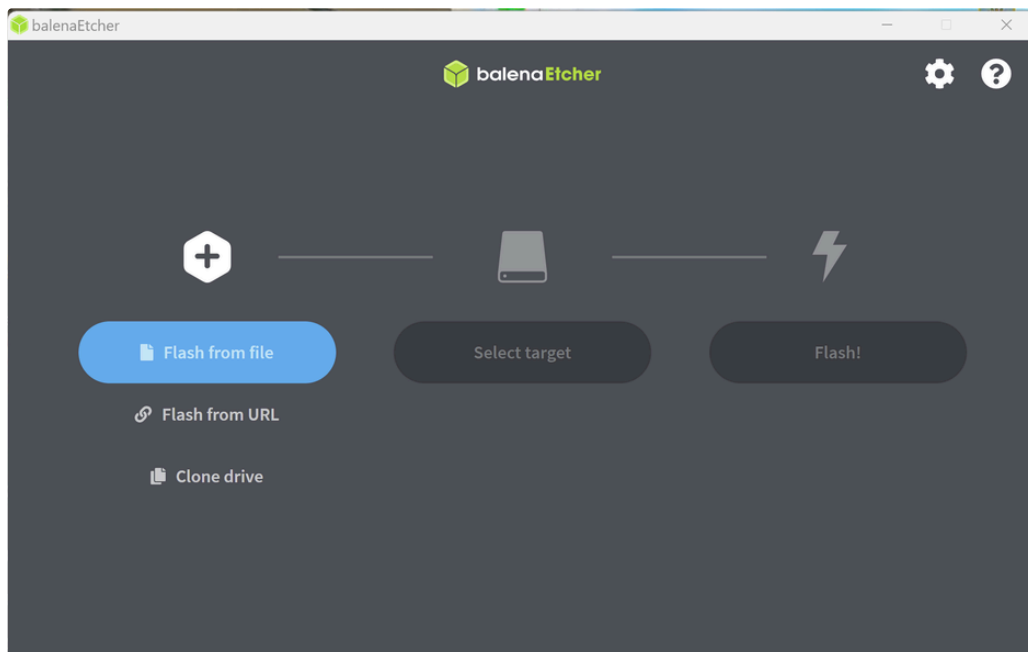
Create USB Installation Media

If you have not already done so, download the NDR Sensor Installation ISO file from Sophos Central.

The ISO image will need to be copied to a USB drive, the instructions below describe how to perform this using a 3rd party tool called balenaEtcher.

Download install balenaEtcher from the website https://etcher.balena.io/ using the installer appropriate to your operating system.

Insert a USB stick to you computer or laptop. Make sure that the USB drive has no data you want to be preserved.
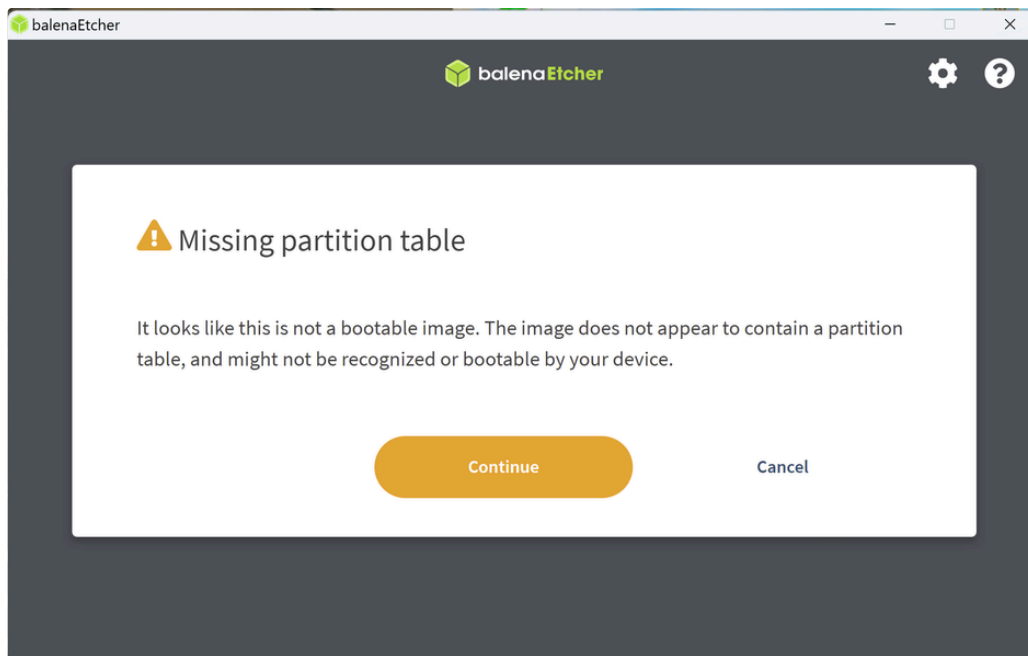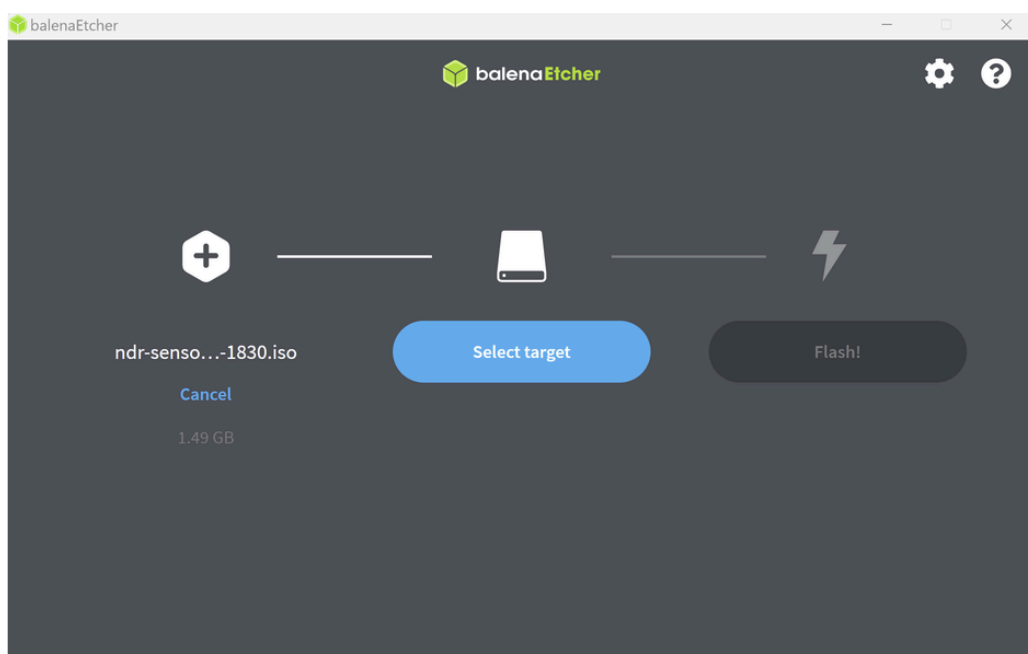
Run balenaEtcher

Click on Flash from file

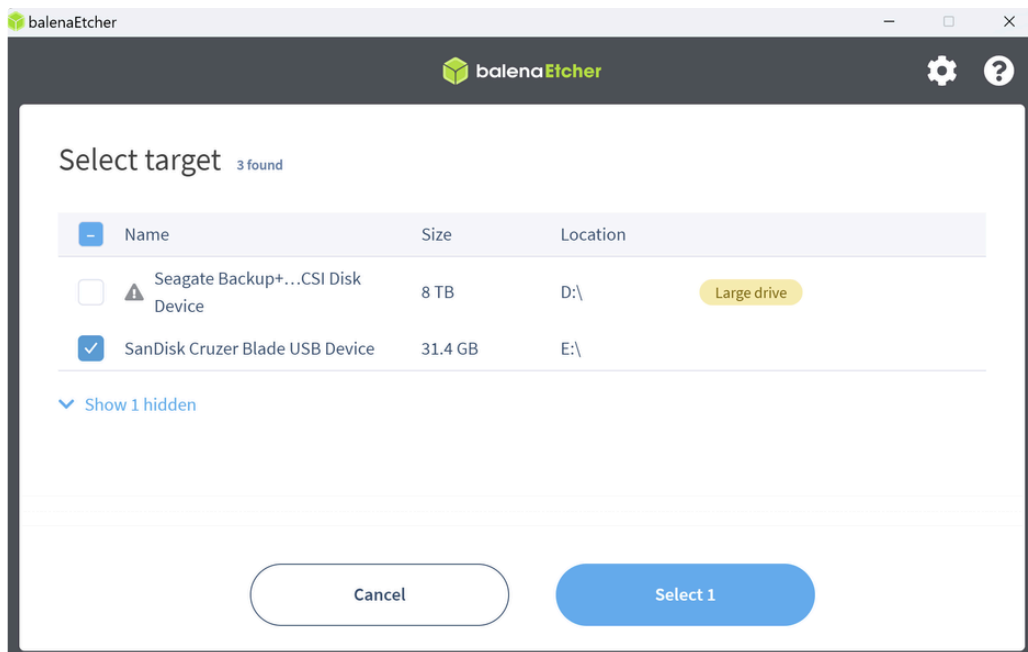Select the downloaded NDR sensor ISO image file from the file selection dialog.

If presented a warning regarding missing partition table, click on Continue
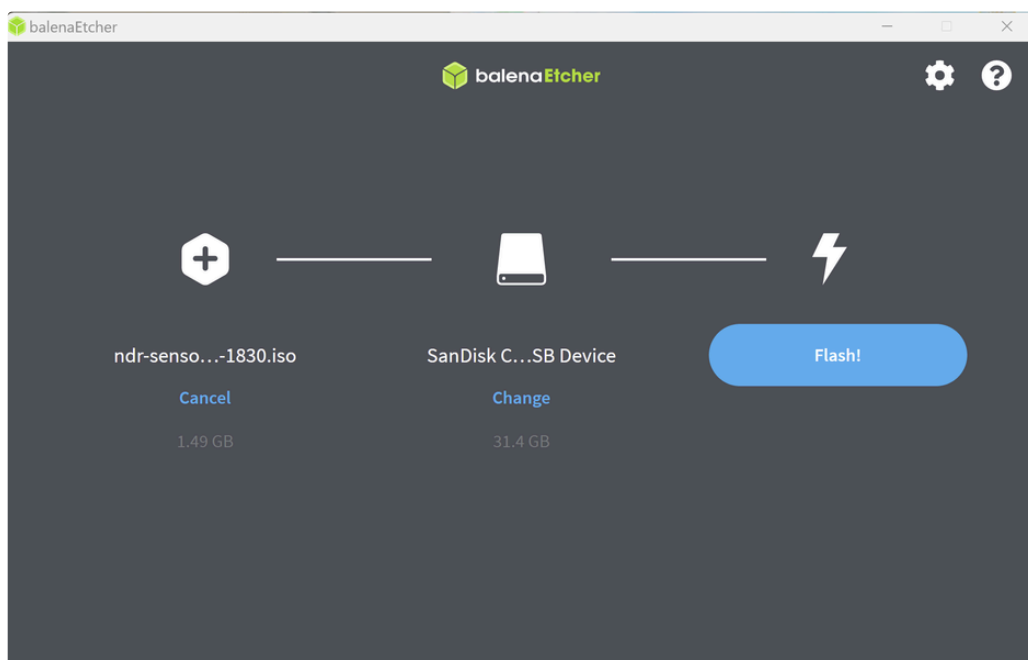
Next Click on Select target

Select the USB drive to install the ISO image on, use caution to select the desired USB device as the ISO installation will erase all data currently on the drive.
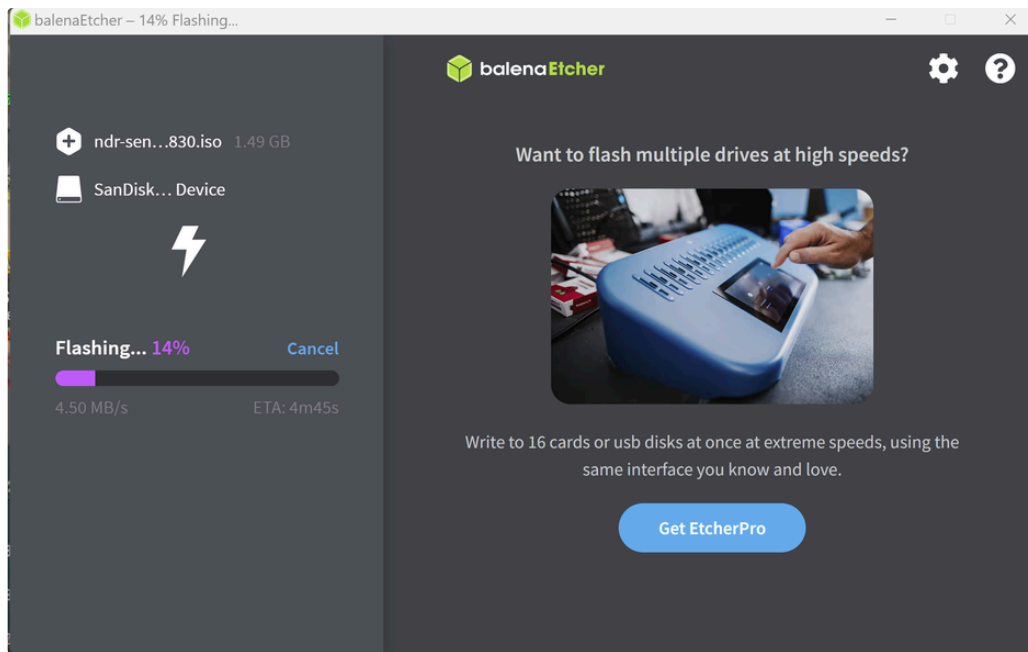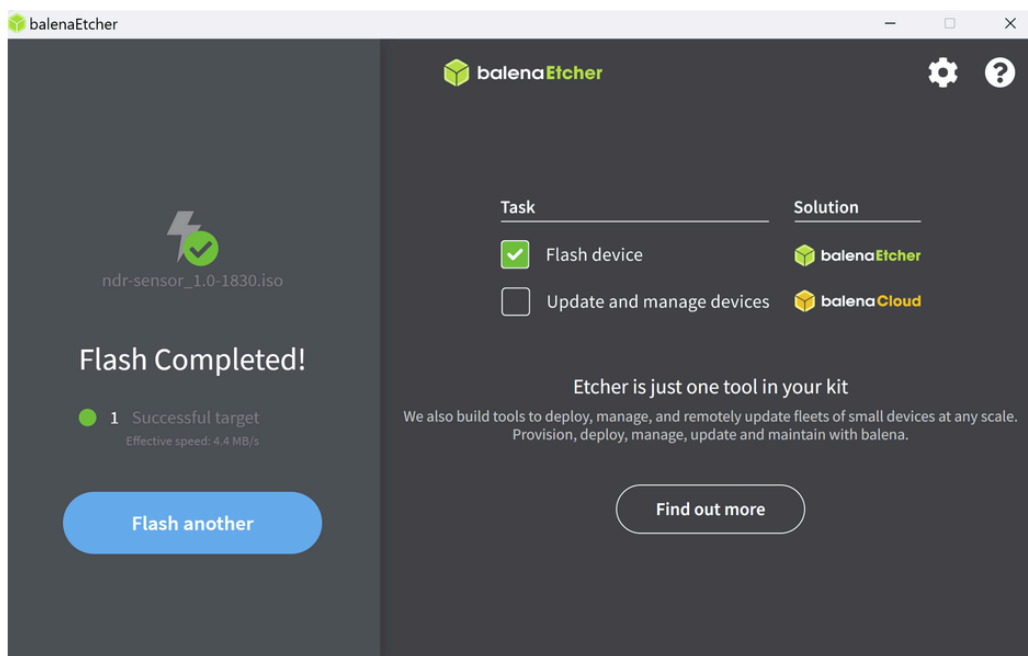
Click Select 1

Click Flash

Confirm any User Access Control or user permission dialog that may appear from the operating system.

Flashing progress will be display on the left panel

Upon completion you can exit balenaEtcher.

Remove the USB device from system

Install and Connect System

Unbox Sensor Hardware

For initial configuration connect the following

- Power Supply
- HDMI Monitor
    - VGA connection can be used via USB-C to VGA adapter (not included)
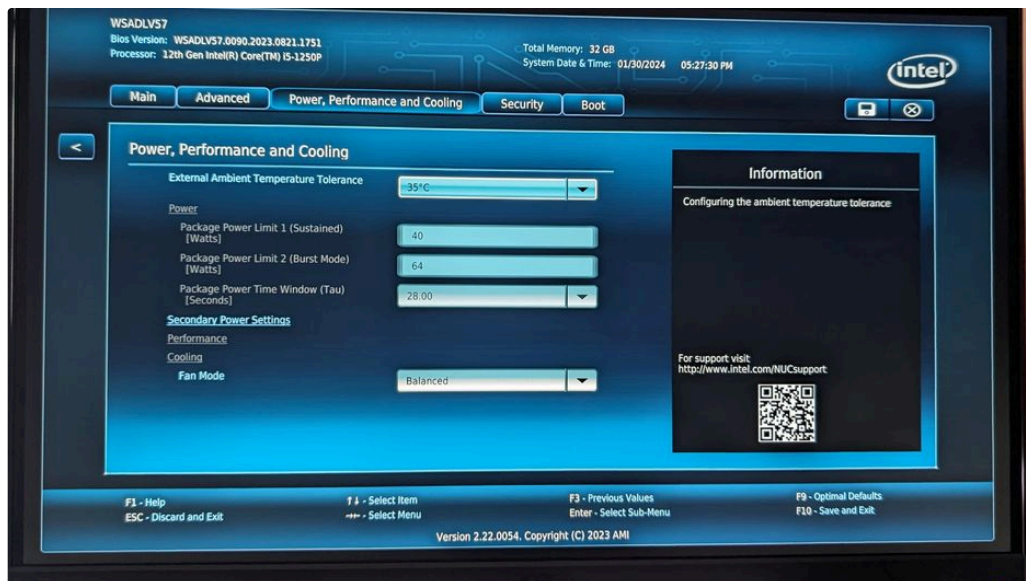- USB Keyboard
- All Network Cables

- Management Network connected to top network interface port
- Capture Network connected to bottom network interface port

Update Bios Settings

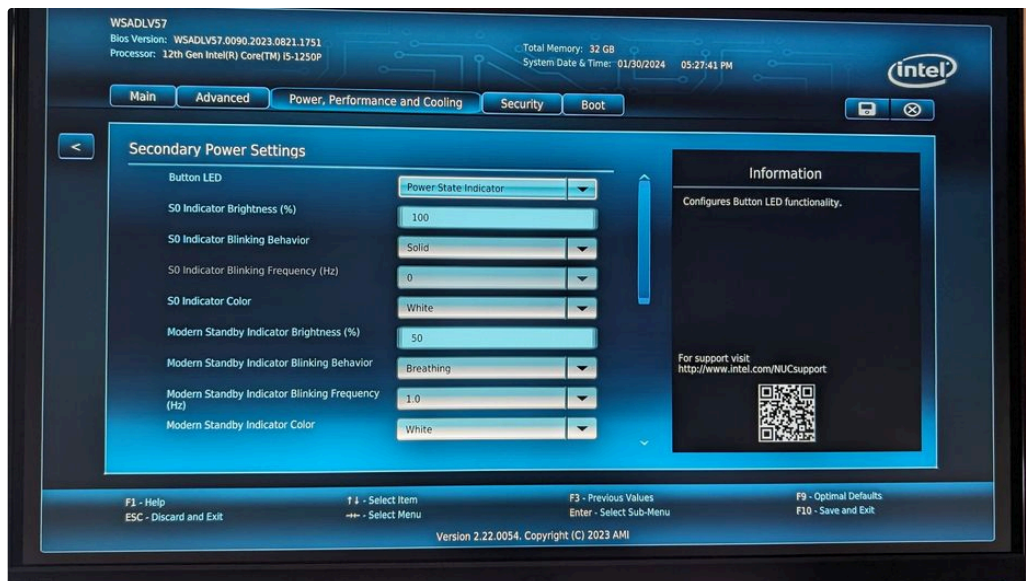Power on system using power button on front of the sensor.

As the sensor powers immediately start pressing the F2 button to enter the Bios Setup screen.
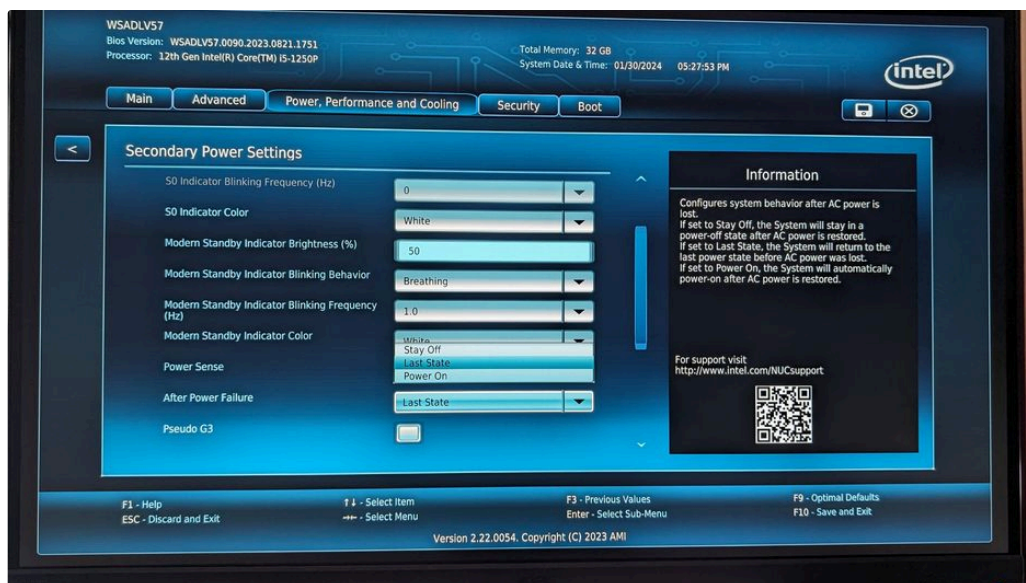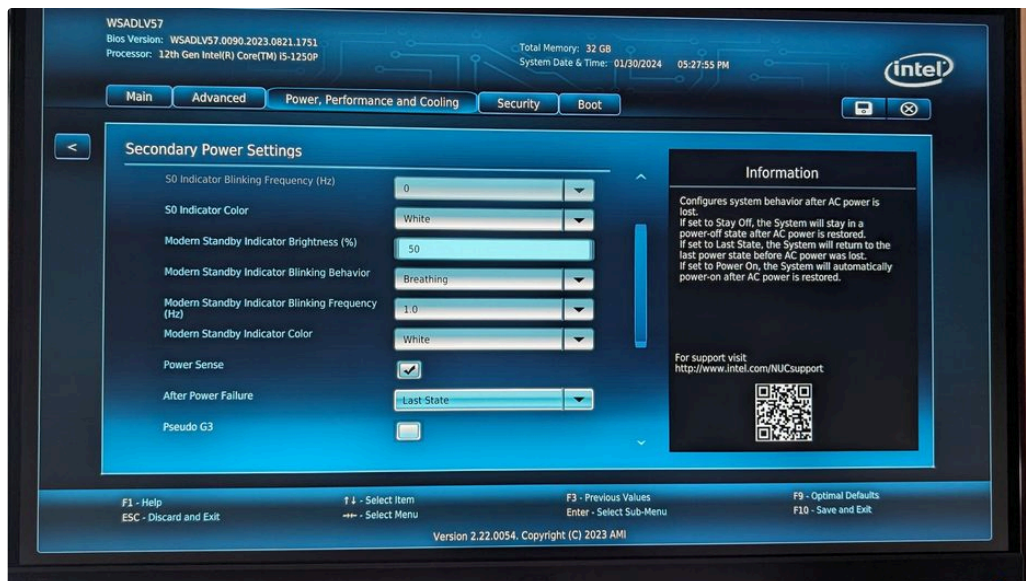

Using the arrow keys press the right arrow button to highlight the Power, Performance and Cooling button and press enter

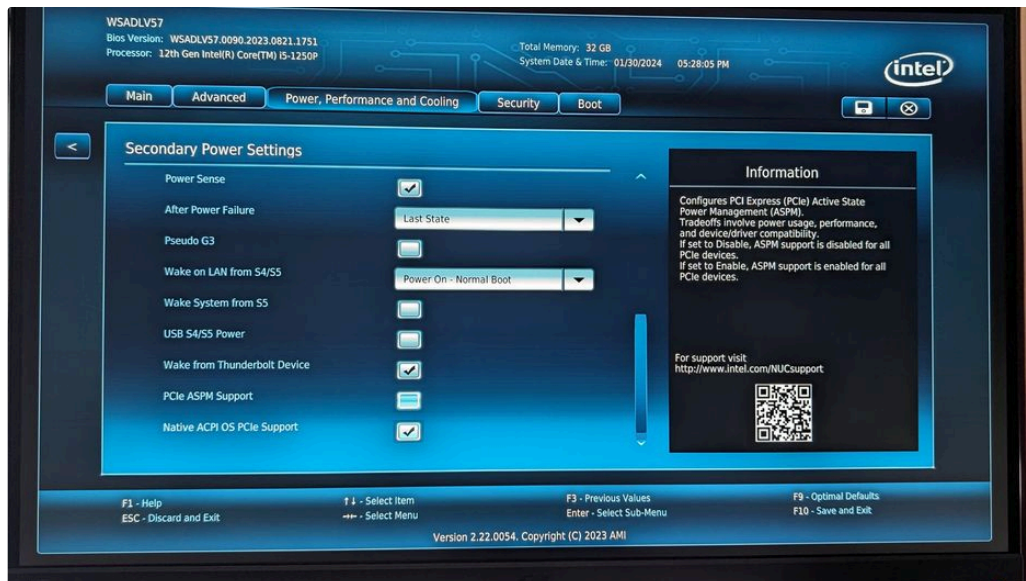Arrow down to Secondary Power Settings and press enter

Using the arrow keys arrow down to the Power state drop down menu and press enter, change the setting from Power Off to Last State and press enter
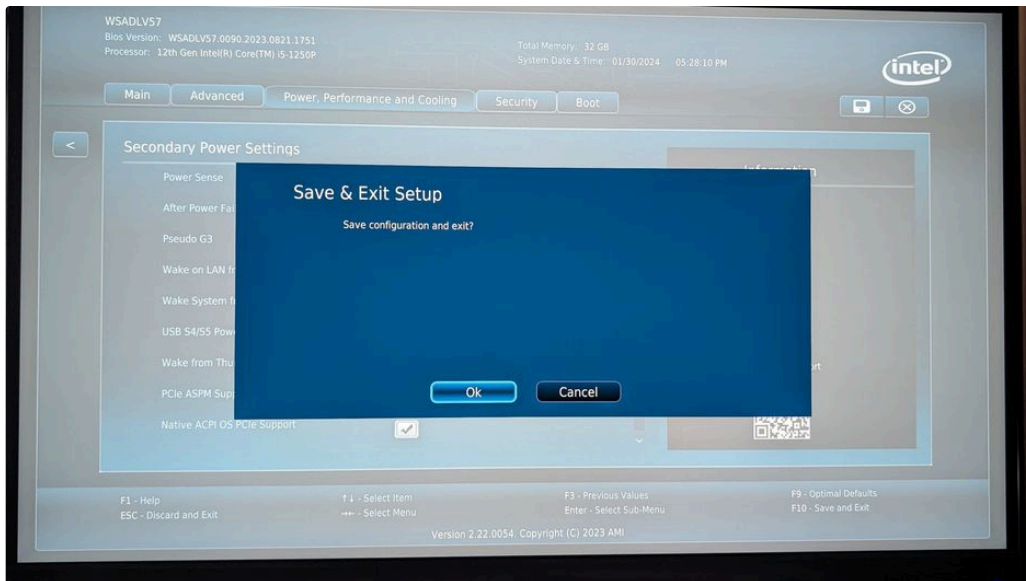
Continue to arrow down to find the setting PCIE ASPM Support, hit enter to uncheck the setting.

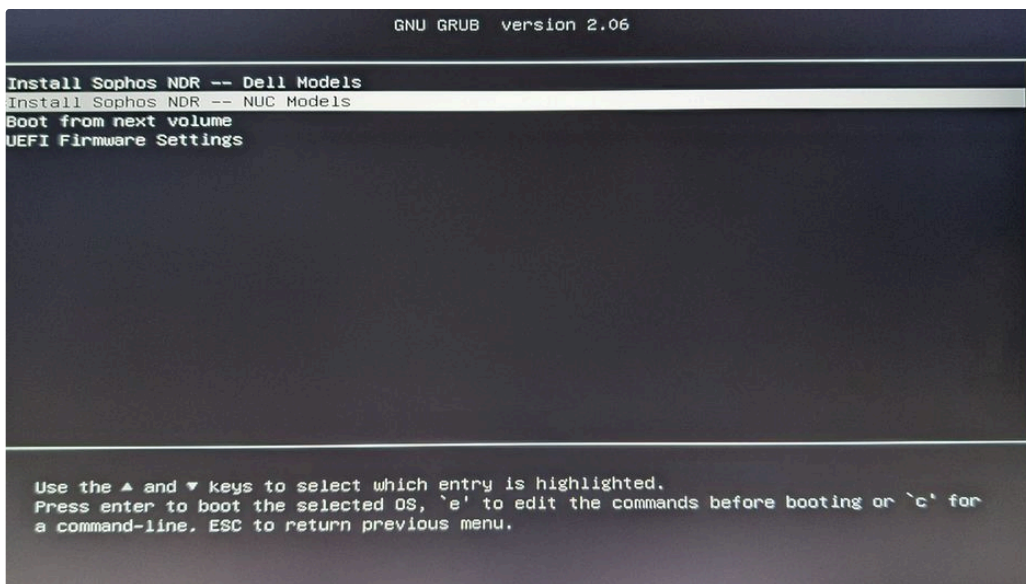
Press F10 to save settings and exit.

Hit enter on OK to confirm save and exit.
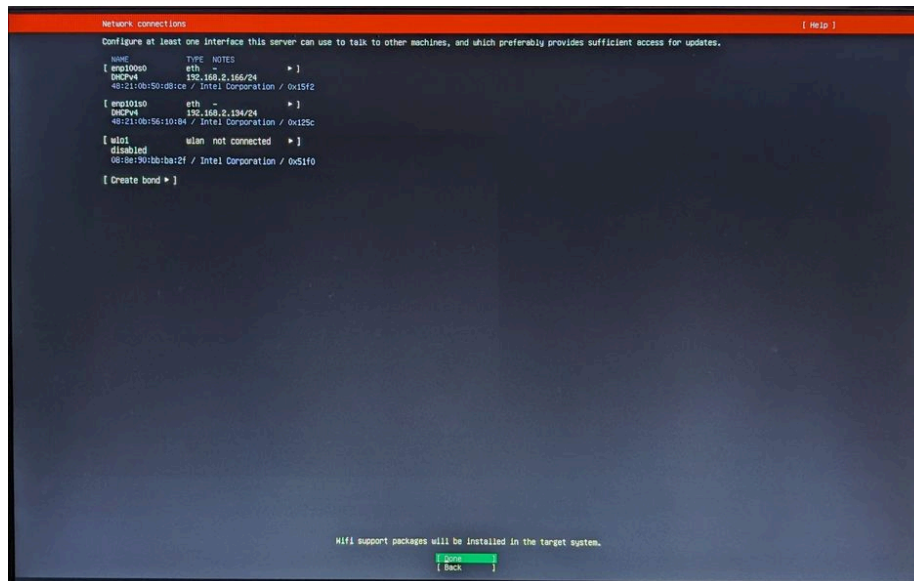
Begin Installation

Insert the installation USB drive created above into any available USB port of the NDR sensor.

Power the NDR sensor on, or press Ctrl+Alt+Delete to reboot the NDR sensor.

In the boot menu arrow down to the entry Install Sophos NDR – NUC Models and press enter

The system will take some time to boot, please wait for the Installation program to fully load. The installation program is ready when the following screen appears
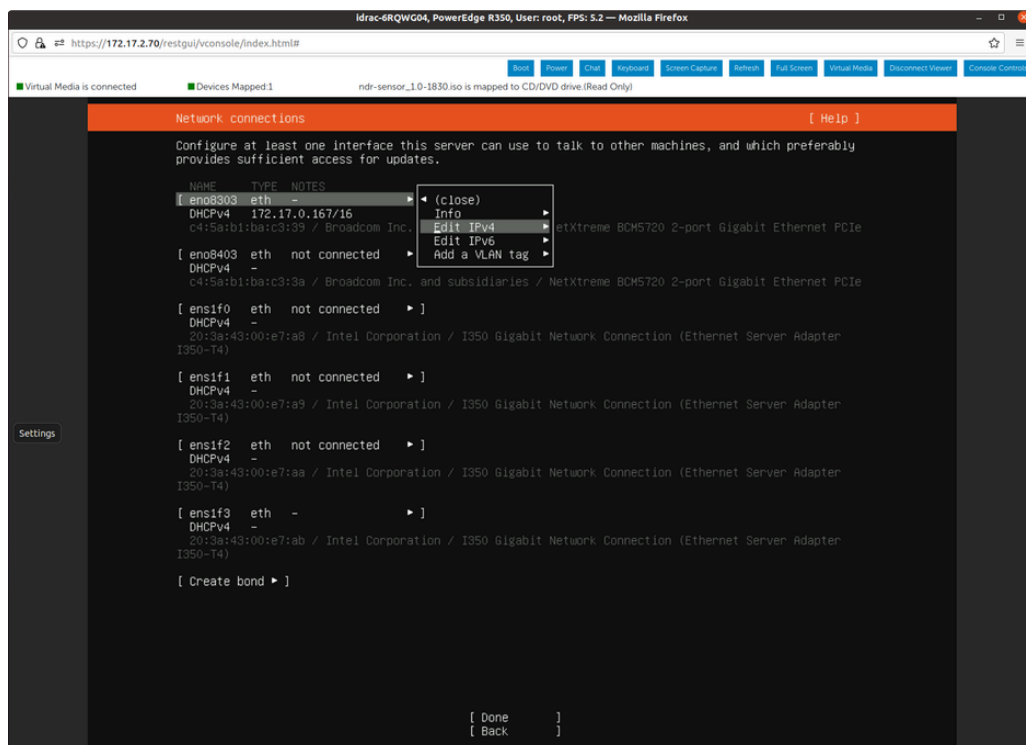
Configure Network Interfaces

Configure Management IP Address

Using the arrow Keys arrow up to the top network interface entry and press enter

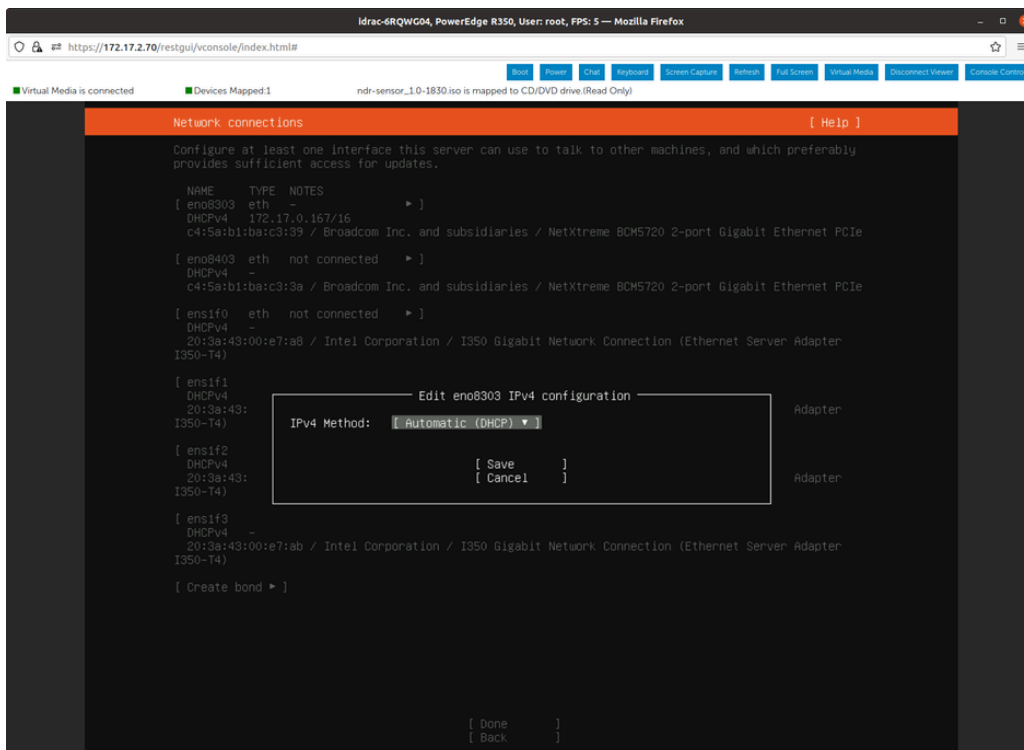Configure this interface with an IP address, default gateway and DNS address.

DHCP configuration is possible but not recommended as the IP address of the sensor may change during a future reboot.

Using the arrow keys up arrow to the management interface and press enter.
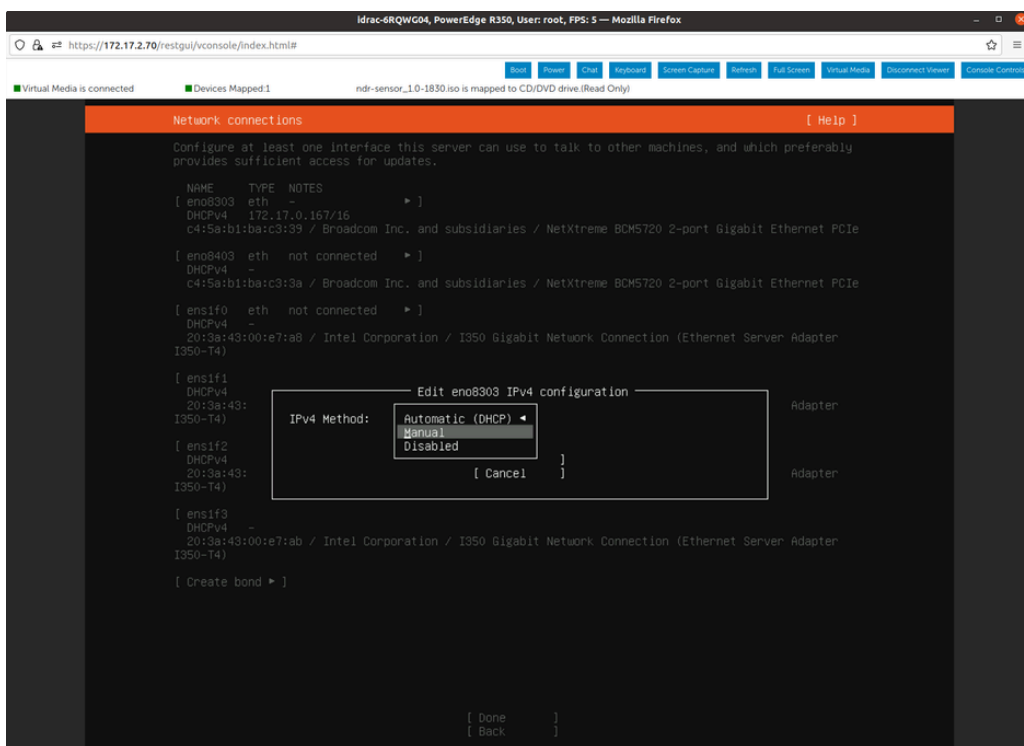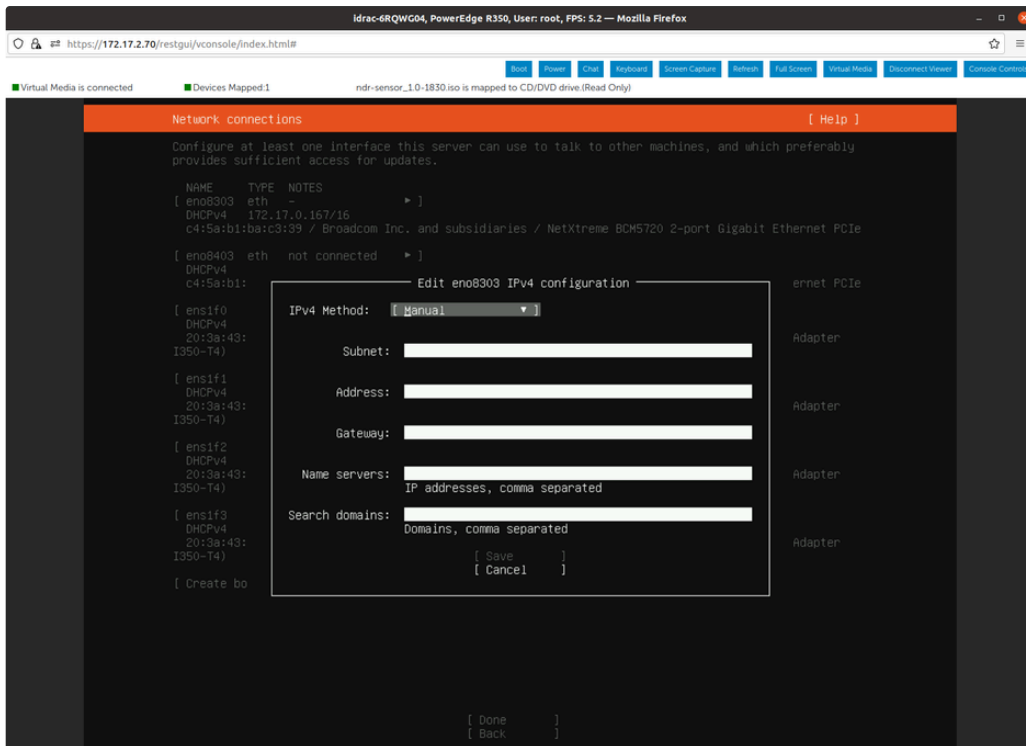

Arrow down to Edit IPv4 and press enter

Select Edit IPv4 and Press Enter.

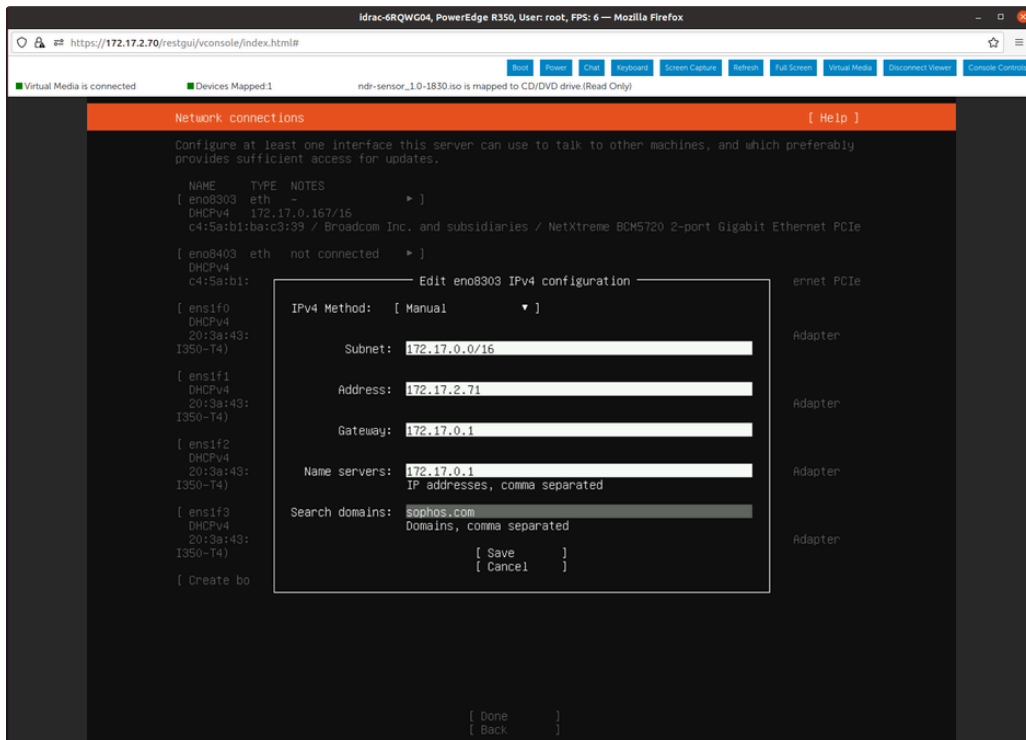Press Enter on the IPv4 Method and select Manual

Enter the Subnet for the interface. This should be in CIDR notation.

Enter the Address for the the interface.

Enter the default gateway in the Gateway field

Enter the DNS server(s) in the Name Servers field.

Optional, Enter the domain for this host.

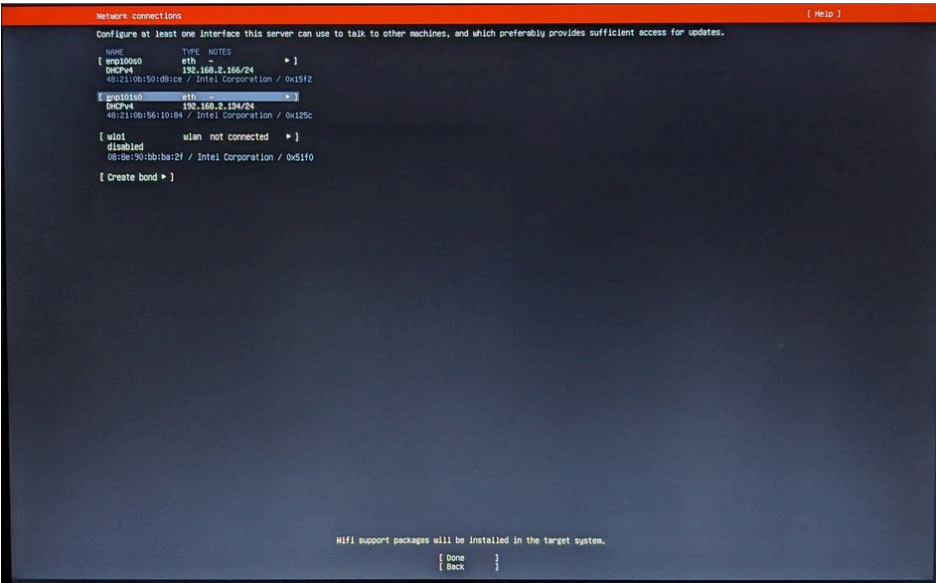Above is an example of the IP address information entered.

Arrow to Save and press enter to save Settings.

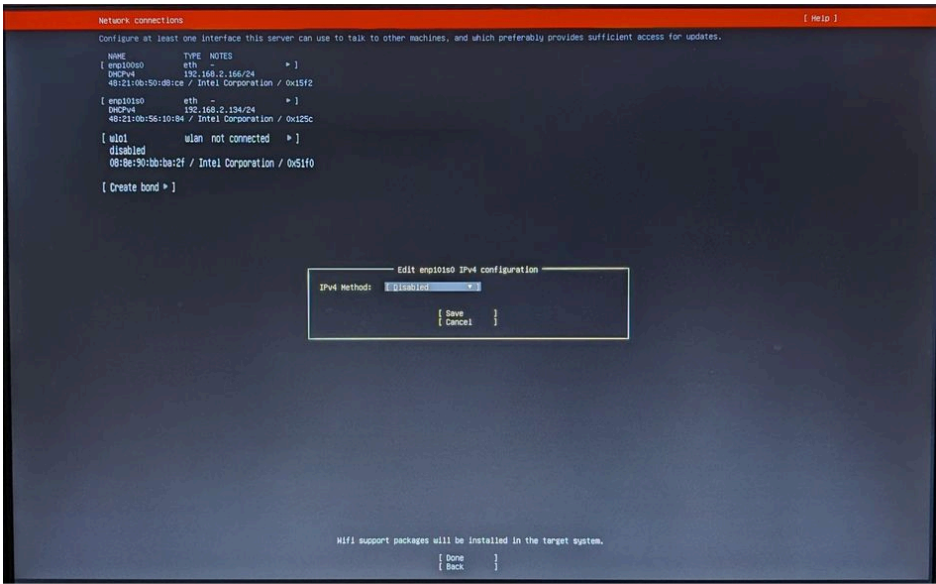## Configure Capture Interface

Arrow to the second interface in the list and press enter, arrow down to Edit IPv4 and press enter again.

This interface needs to be marked as disabled in the installation program. Configuration of the Capture interface will occur in the NDR configuration web page, which can be accessed after installation is completed.

Using the arrow keys arrow to the capture interface and press Enter, highlight Edit IPv4 and press enter again.

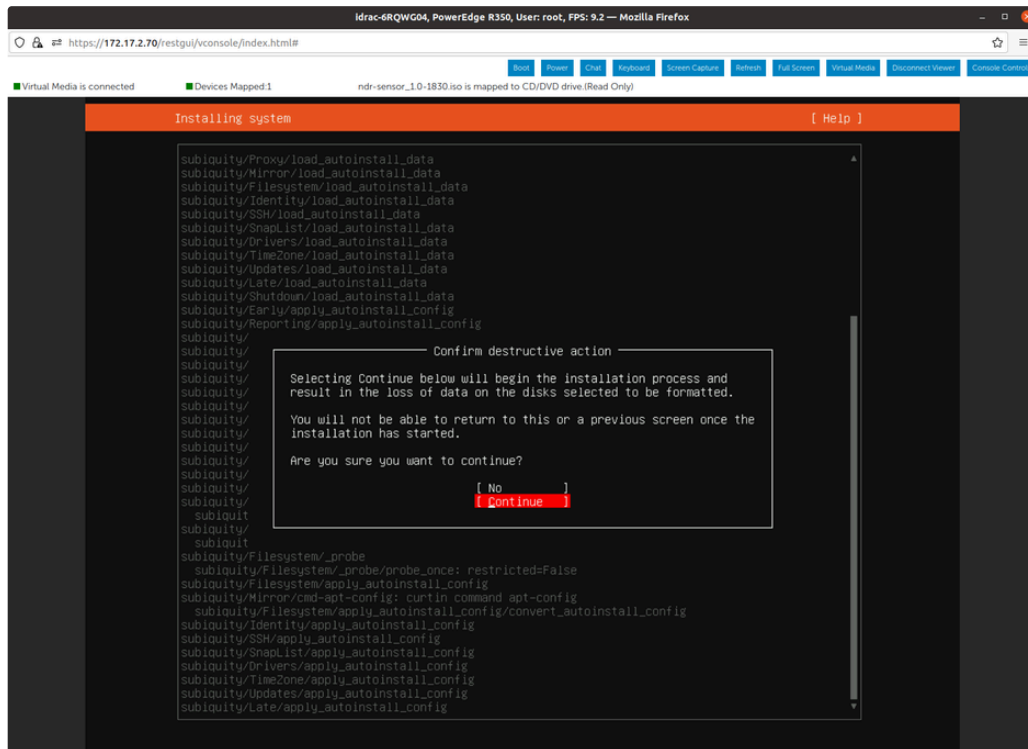On IPv4 Method press enter, arrow down to Disabled and press Enter.

Arrow down to Save and press enter

The NUC system inclues a wifi interface names wlo1. The NDR software make no use of this interface for any purpose, this interface should be left marked as disabled.
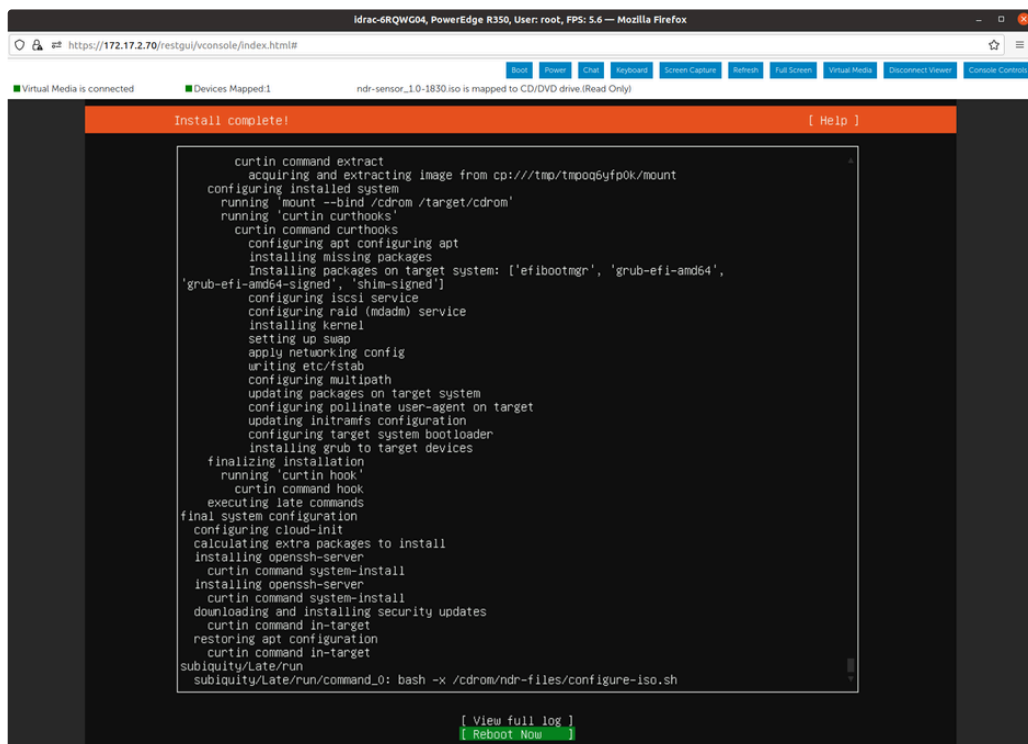
Begin Installation Process

The system is now ready to partitiion disks and begin the installation process. Confirm the distructive action of disk partitioning and installtion by using the arrow keys to select continue and press enter.
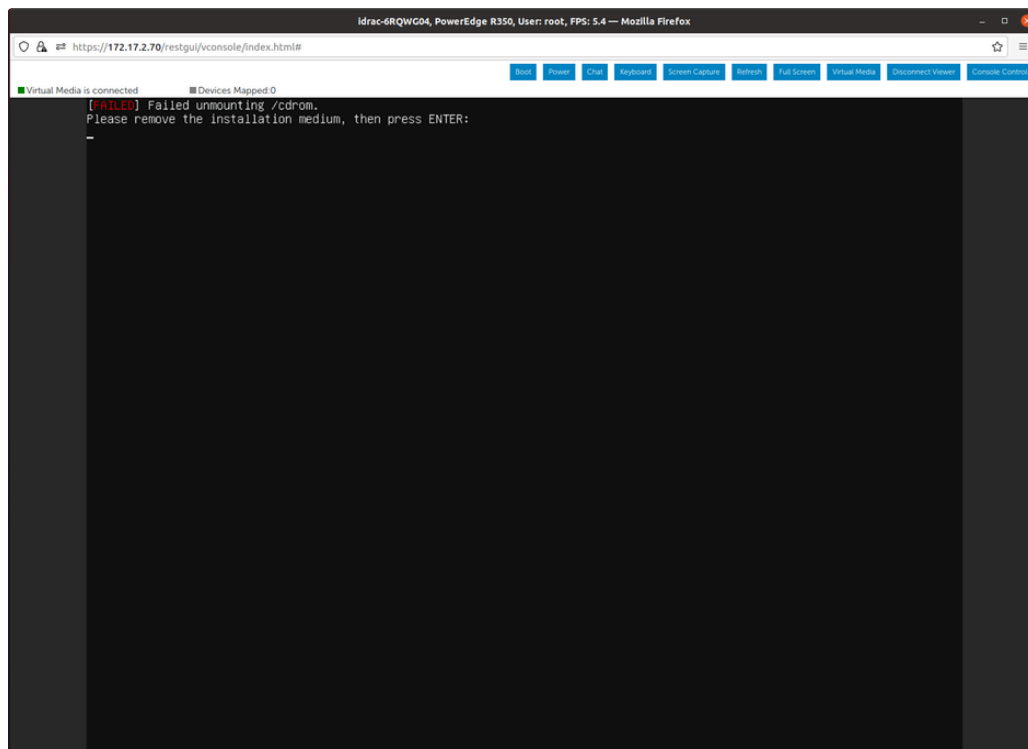

Software Installation will take some time. Installation is complete when the screen appears like the following screen.

Complete Installation

Use the arrow keys to arrow down to Reboot Now and press enter.

After pressing enter the exit process will wait at the following screen

At this point remove the USB drive from the system and press enter