NMAP

What is Nmap?

Nmap (Network Mapper) is a free and open-source tool for network discovery and security auditing.

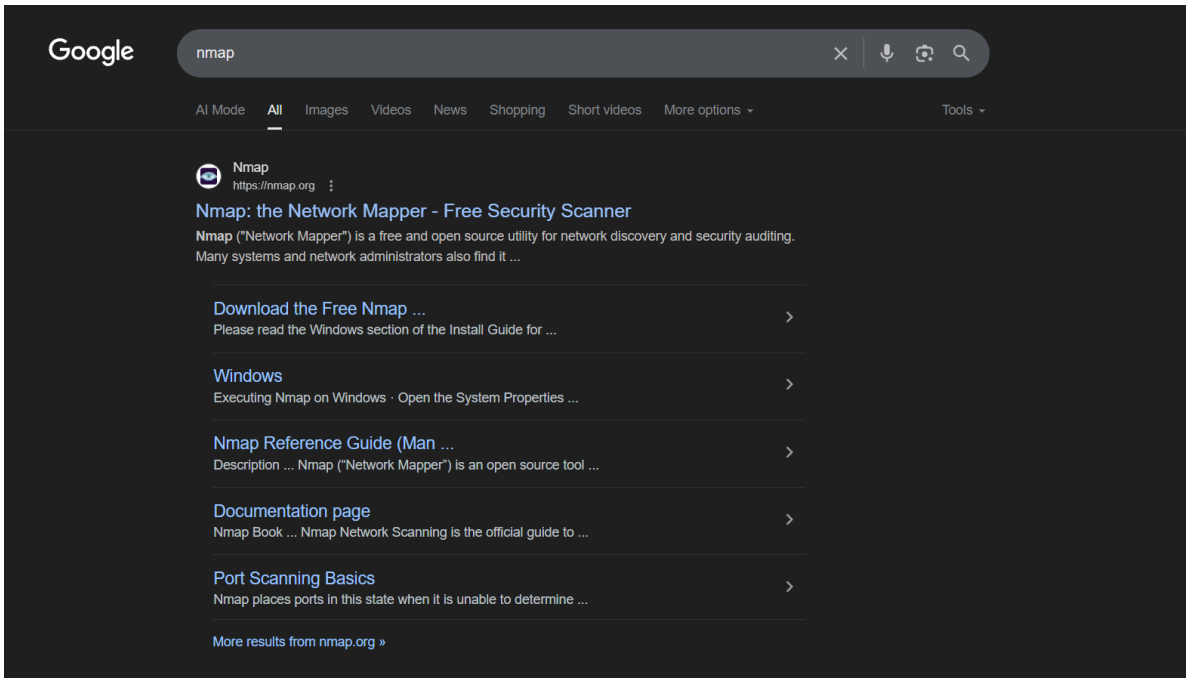
Why install Nmap?

Useful for penetration testing, port scanning, and vulnerability detection.

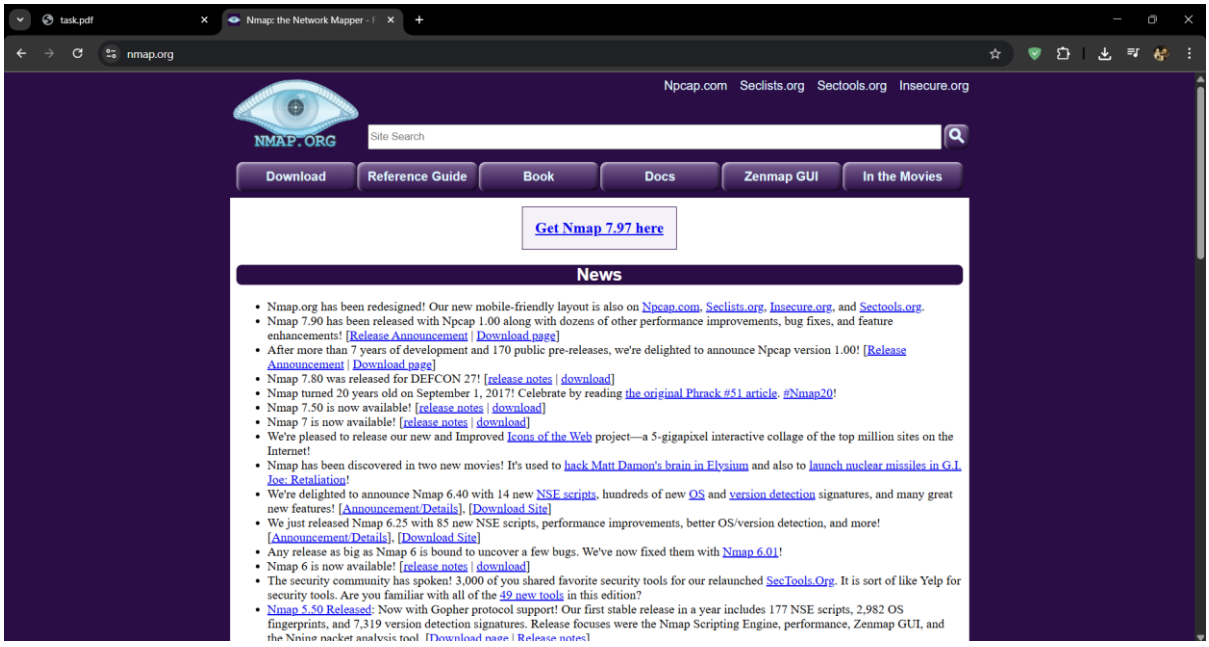
System Requirements

- Supported OS: Linux, Windows, macOS
- Minimum RAM/CPU: 512MB RAM, basic CPU
- Internet connection (for package download)

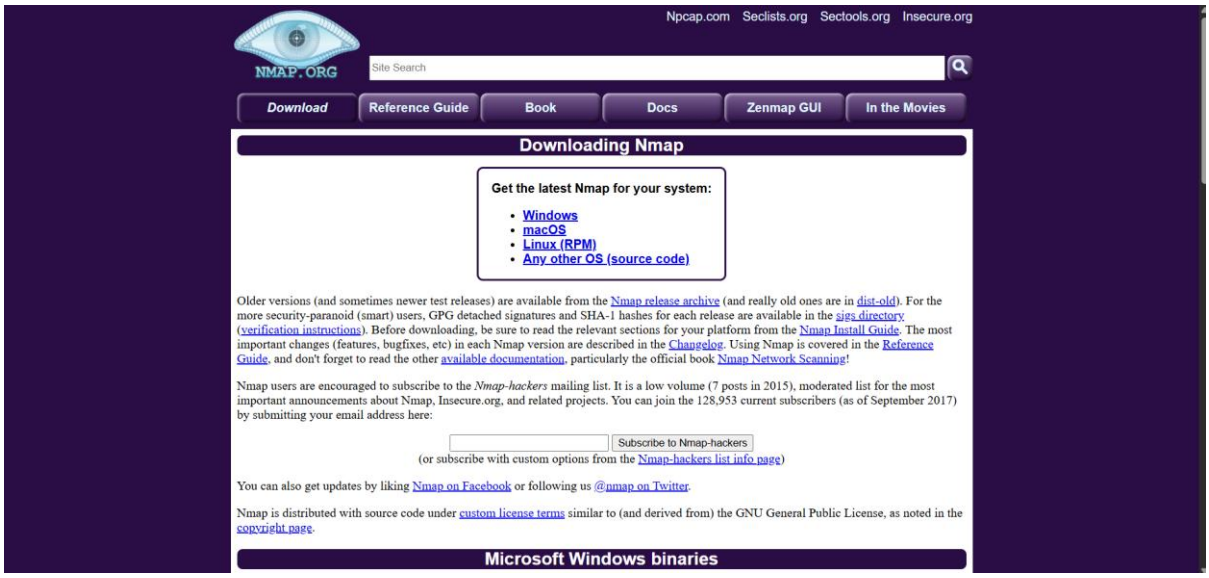
Installing Nmap on Windows



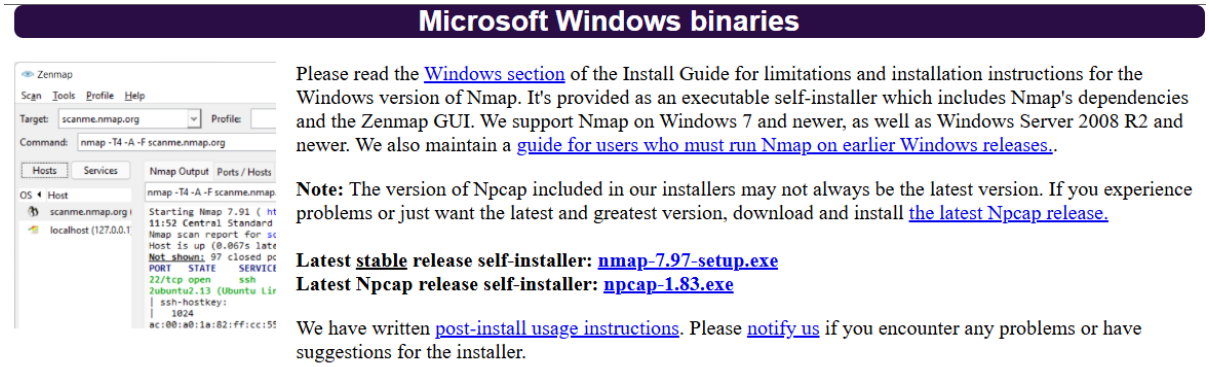
Visit the official Nmap website https://nmap.org/download.html



Click on **Download** section

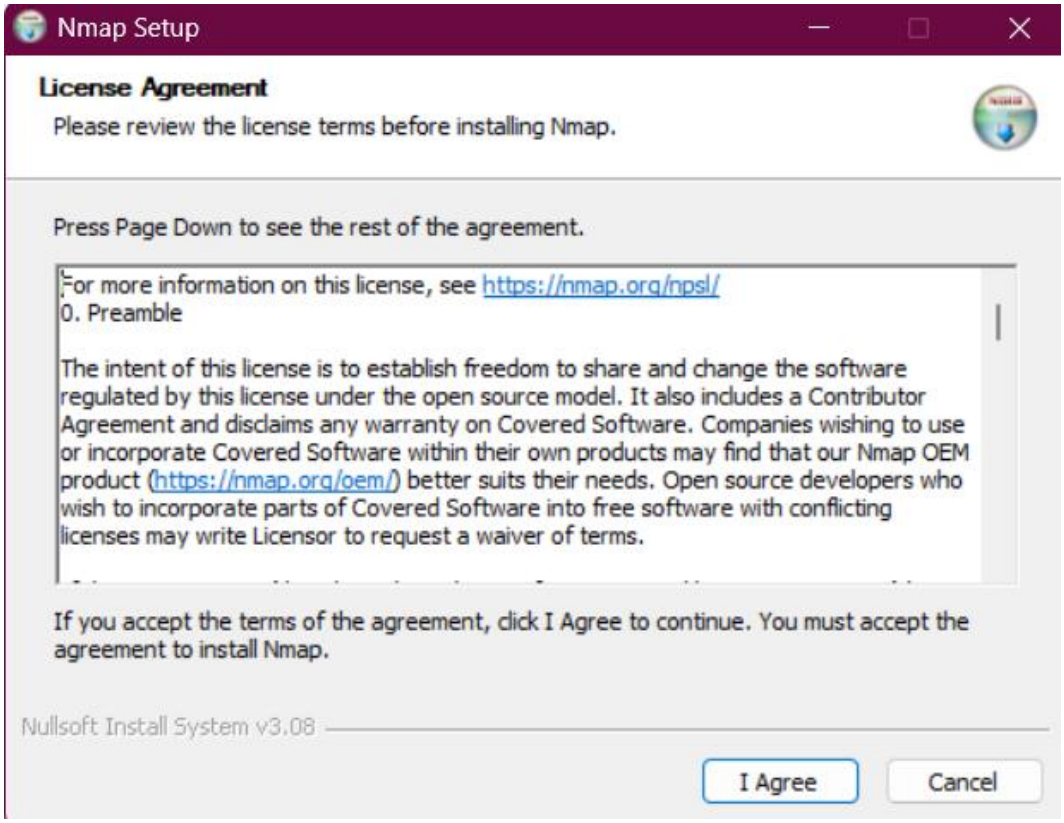


Scroll to the **Microsoft Windows binaries** section.



Locate the downloaded .exe file (e.g., nmap-7.94-setup.exe) in your Downloads folder.

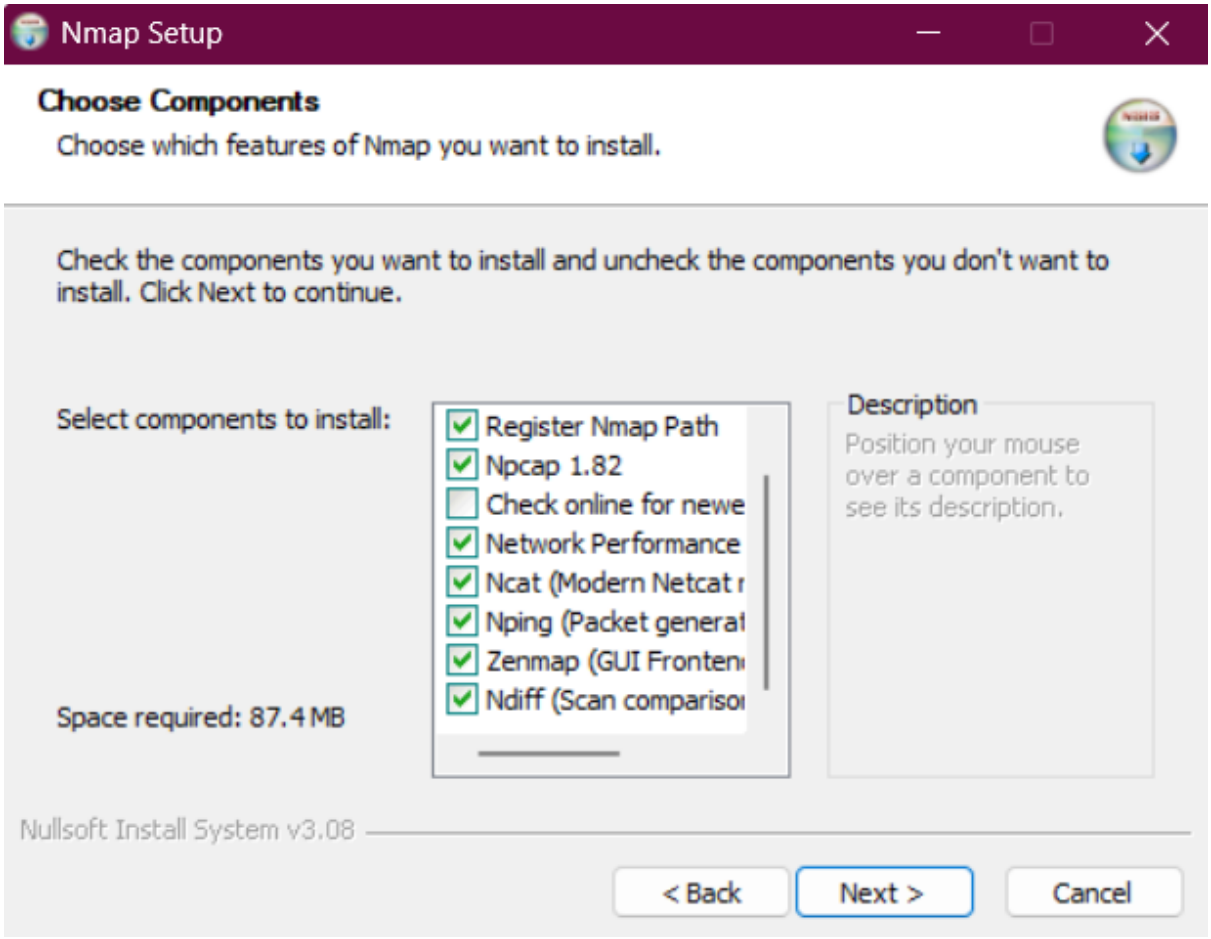
Double-click the installer to launch the setup wizard.



Click **"Next"** on the welcome screen to begin the installation process.

Read the license terms.

Select **"I Agree"** to continue.



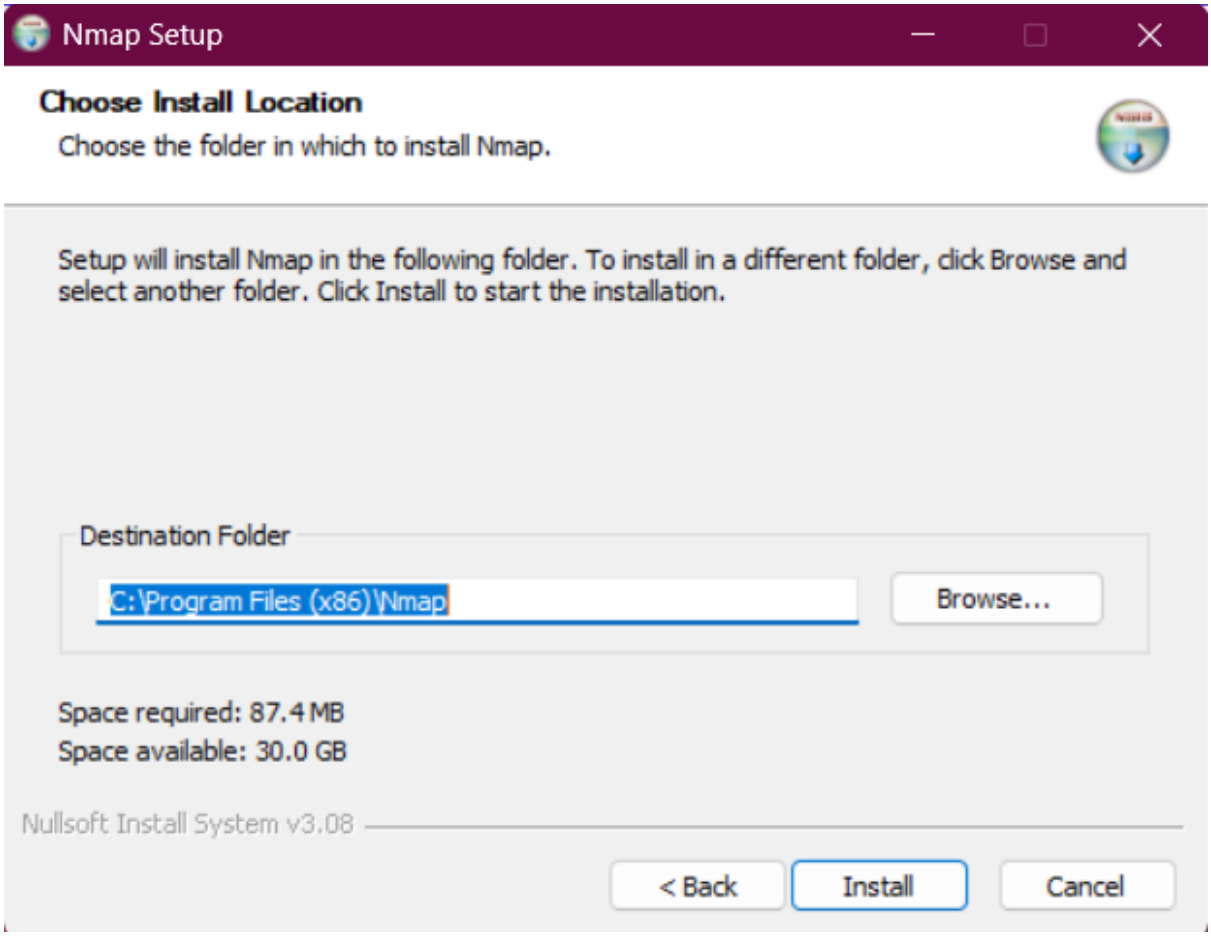
Choose Components

You can install:

- Nmap
- Zenmap (GUI frontend)
- Npcap (required for packet capturing)

Leave all options selected unless you have a specific reason to exclude any.

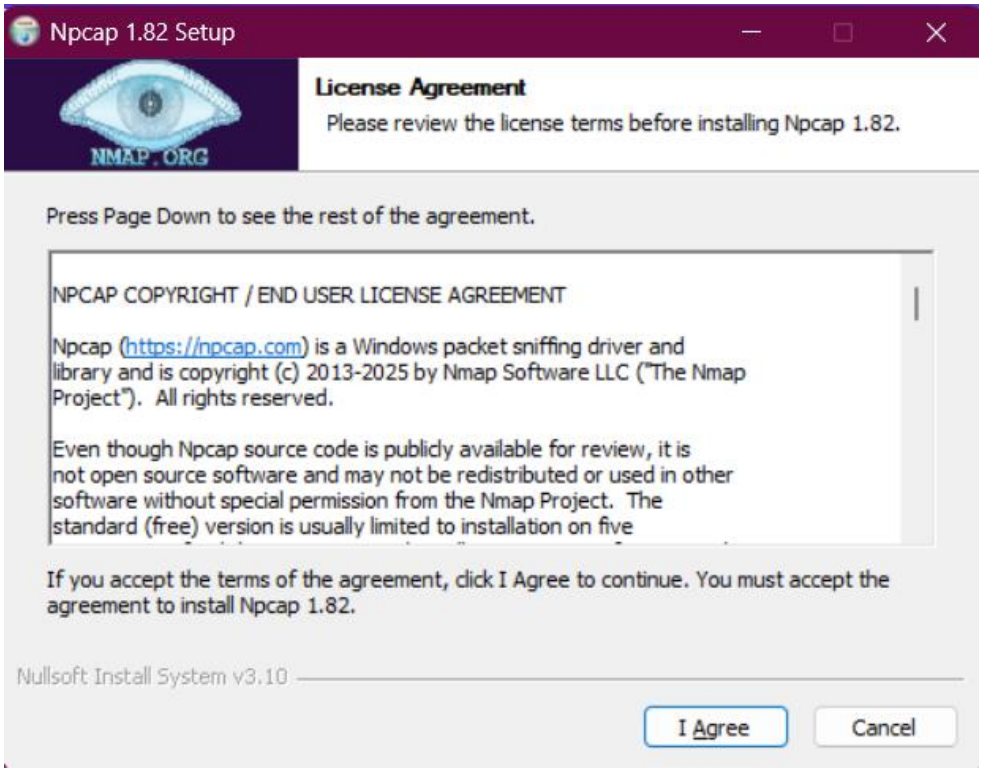
Click **"Next"**.

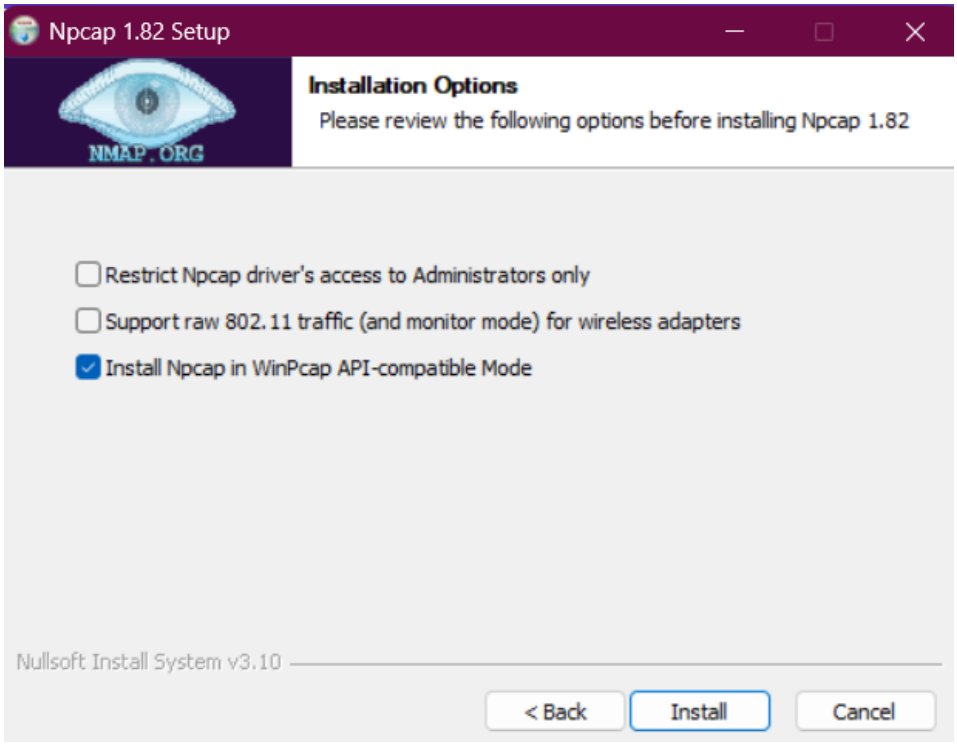


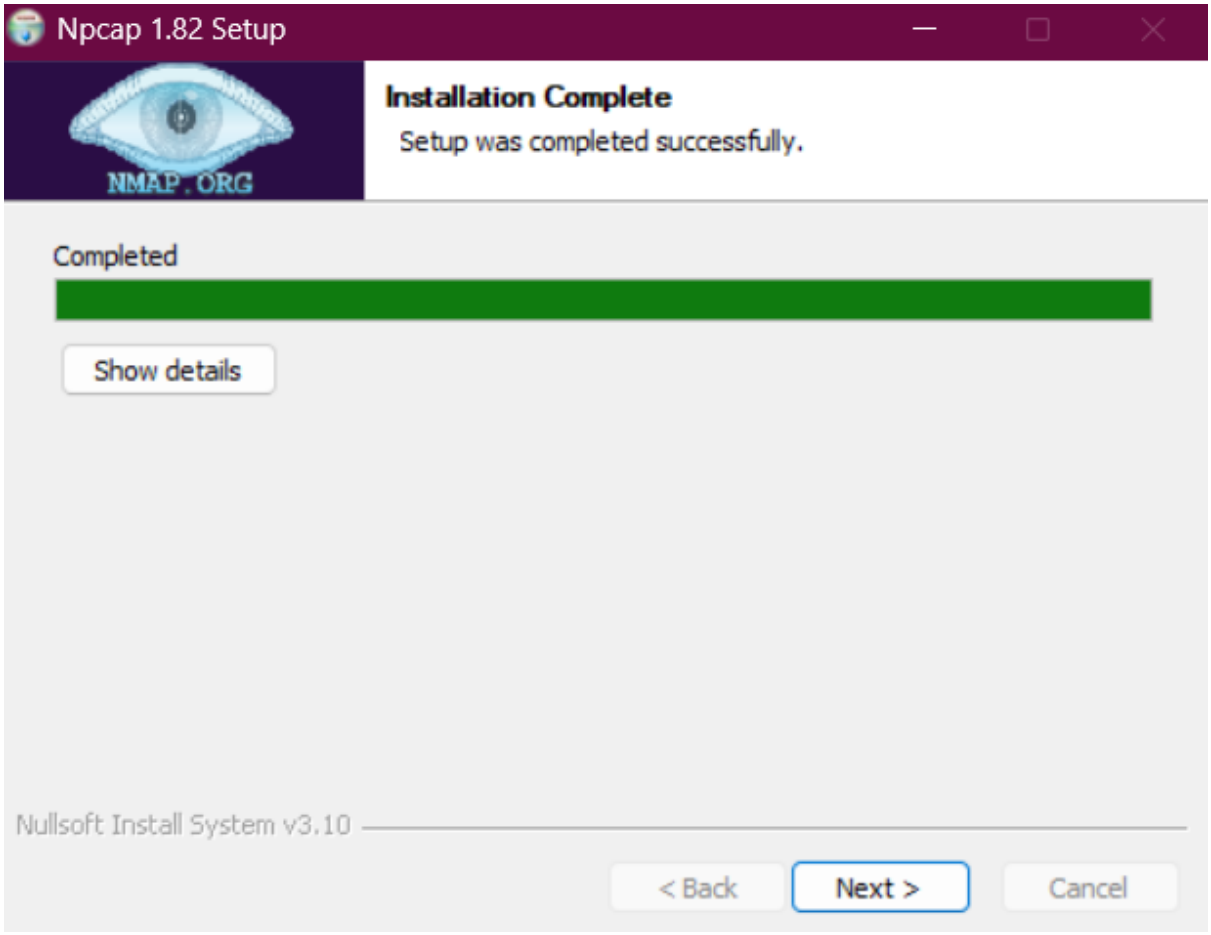
Choose Install Location

Choose the installation directory (default is usually fine).

Click **"Install"** to begin the installation.


Npcap 1.82 Setup
NMAP.ORG
License Agreement
Please review the license terms before installing Npcap 1.82.
Press Page Down to see the rest of the agreement.
NPCAP COPYRIGHT / END USER LICENSE AGREEMENT
Npcap (https://npcap.com) is a Windows packet sniffing driver and library and is copyright (c) 2013-2025 by Nmap Software LLC ("The Nmap Project"). All rights reserved.
Even though Npcap source code is publicly available for review, it is not open source software and may not be redistributed or used in other software without special permission from the Nmap Project. The standard (free) version is usually limited to installation on five
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install Npcap 1.82.
Nullsoft Install System v3.10
I Agree
Cancel

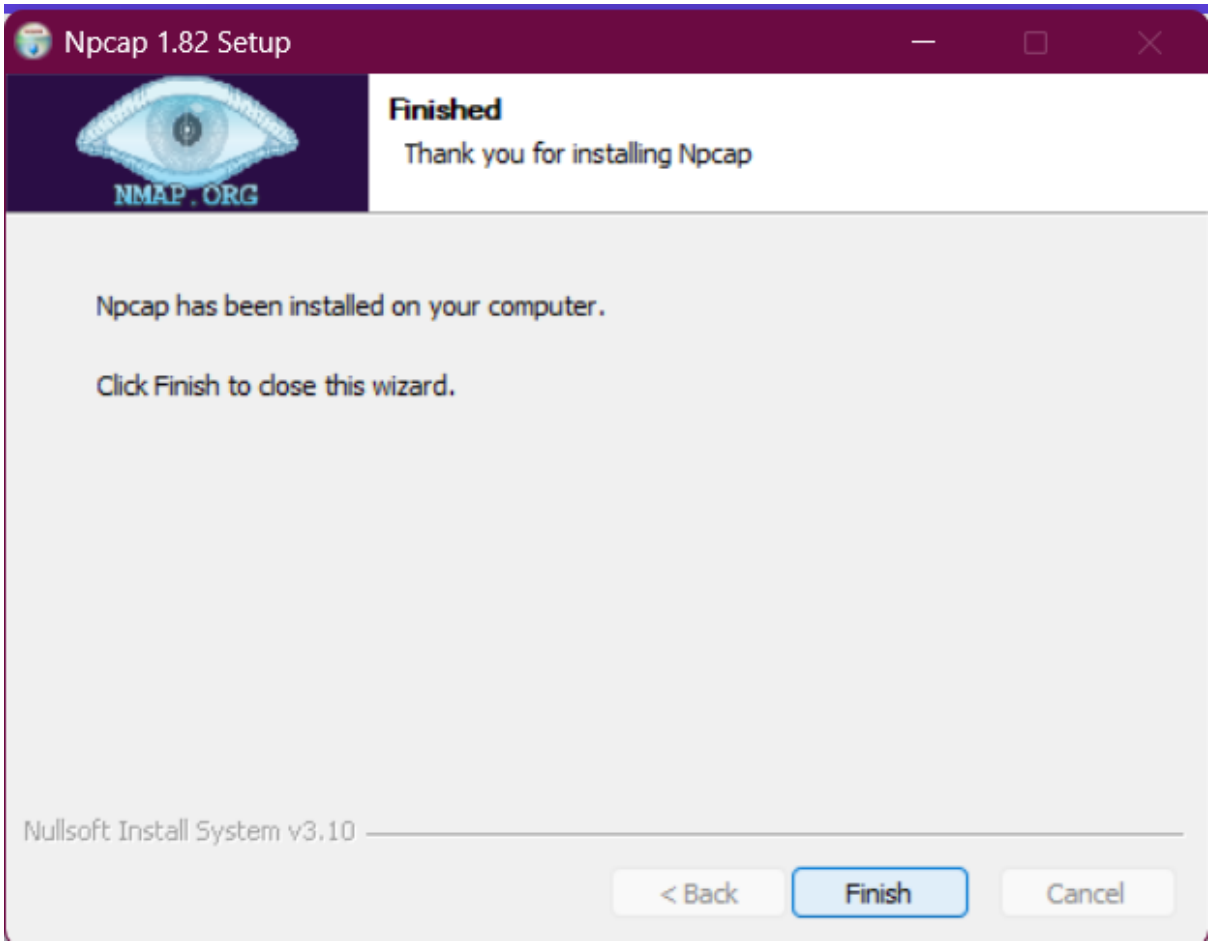

Npcap 1.82 Setup
NMAP.ORG
Installation Options
Please review the following options before installing Npcap 1.82
Restrict Npcap driver's access to Administrators only
Support raw 802.11 traffic (and monitor mode) for wireless adapters
Install Npcap in WinPcap API-compatible Mode
Nullsoft Install System v3.10
< Back
Install
Cancel

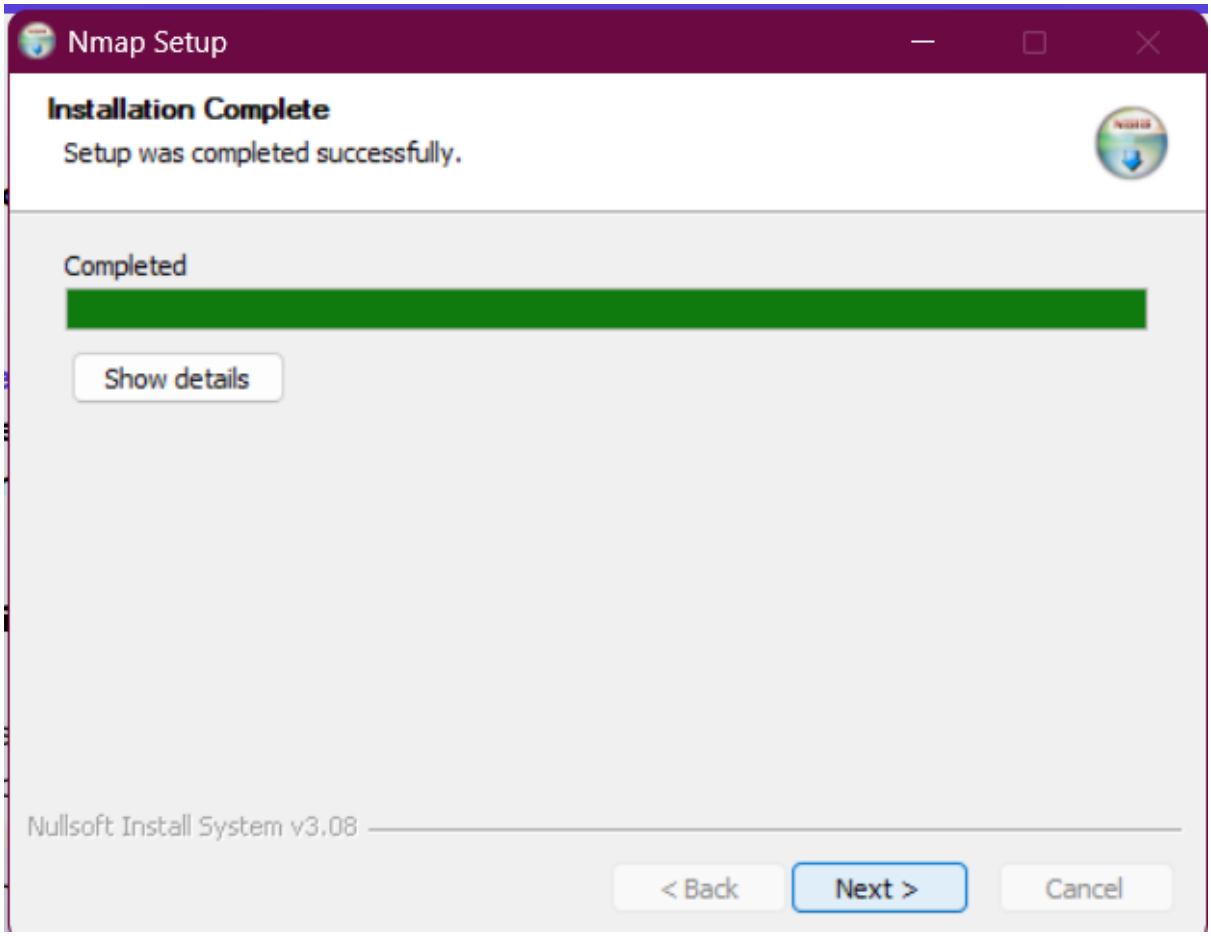


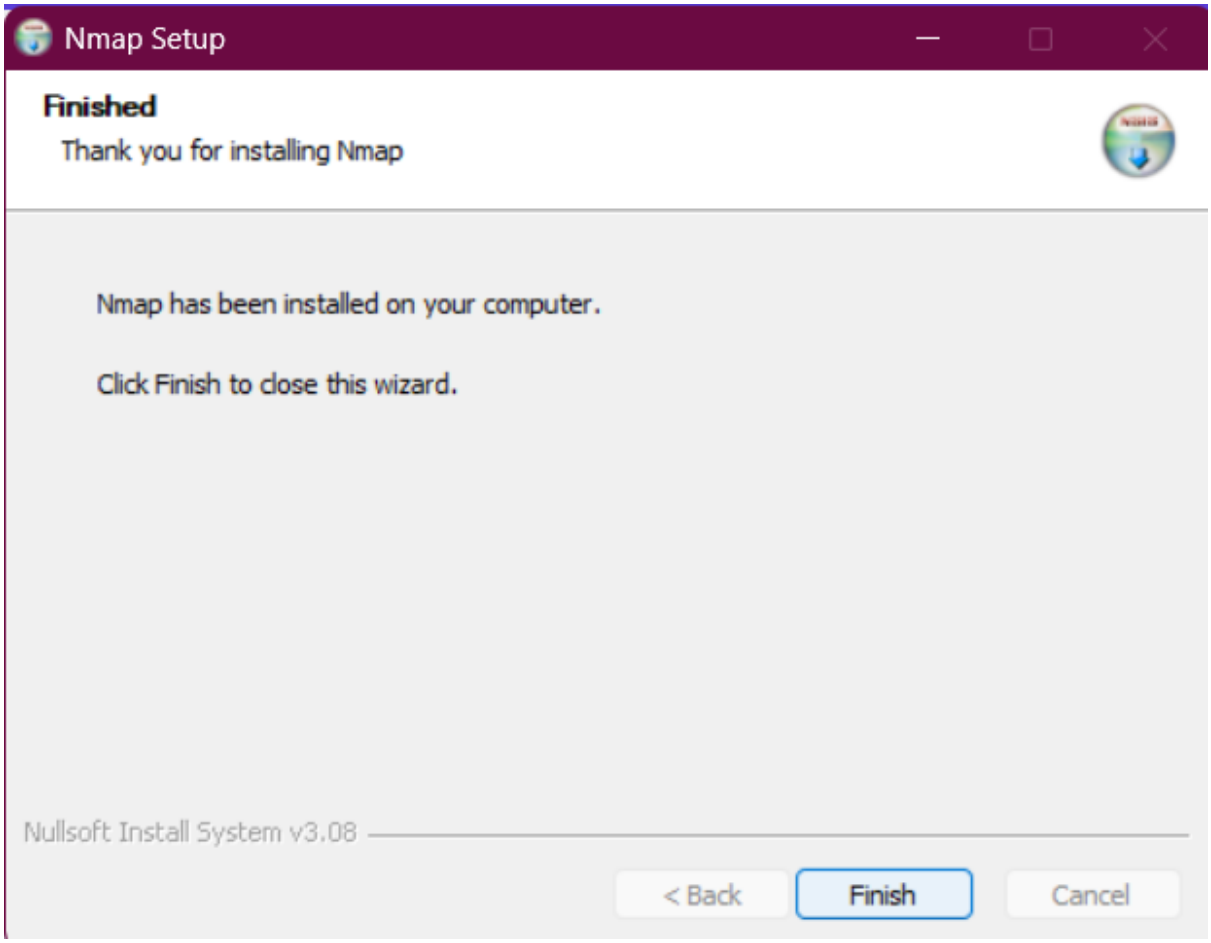
Wait for Installation to Complete

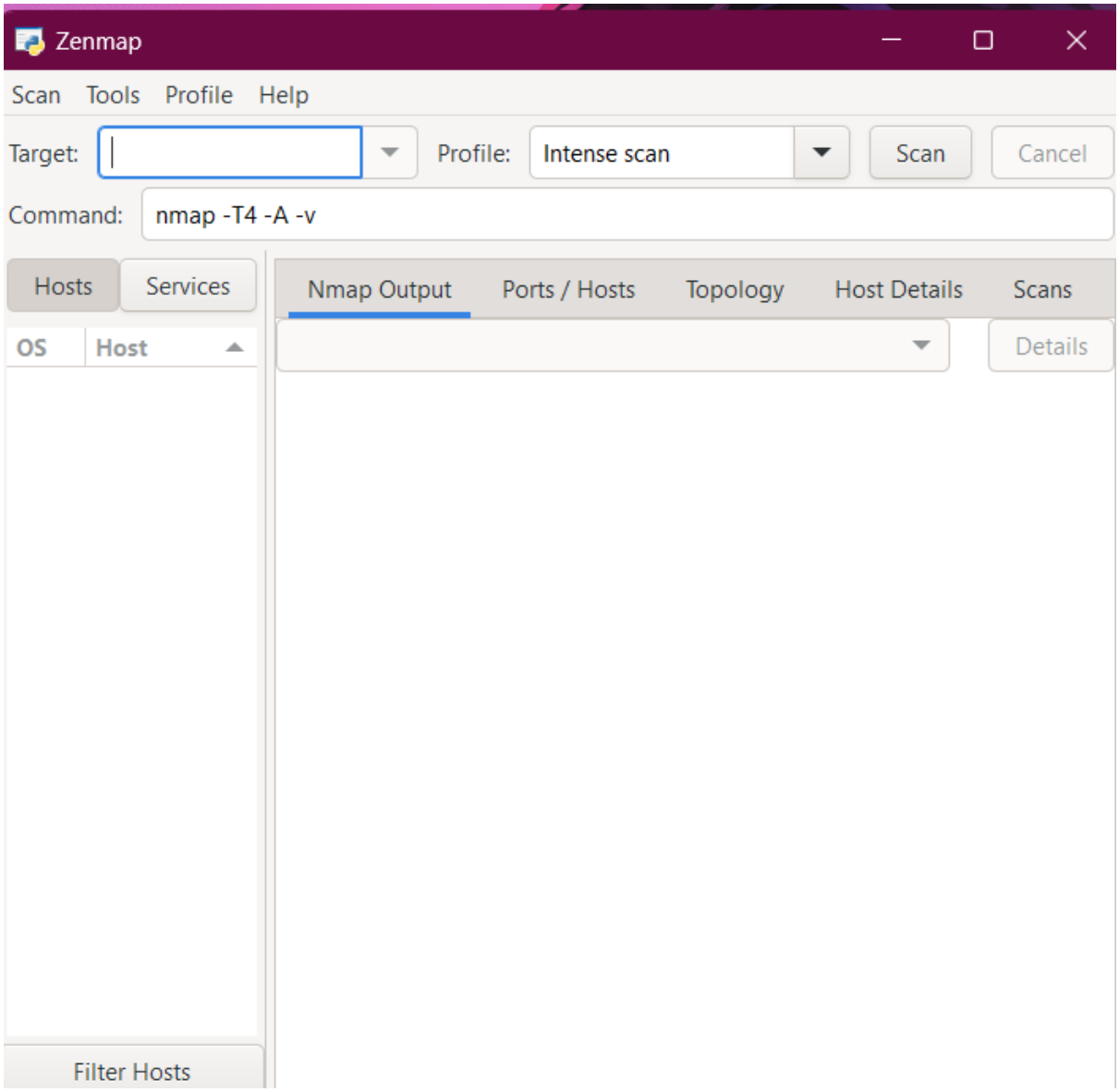
The setup will extract and install all necessary files.

This may take a minute or two.

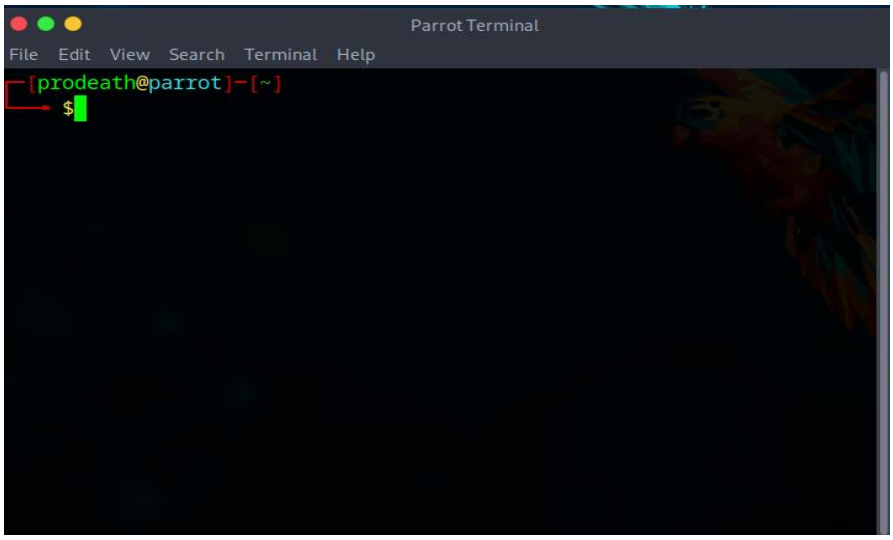

Npcap 1.82 Setup
NMAP.ORG
Finished
Thank you for installing Npcap
Npcap has been installed on your computer.
Click Finish to close this wizard.
Nullsoft Install System v3.10
< Back
Finish
Cancel


Nmap Setup
Installation Complete
Setup was completed successfully.
Completed
Show details
Nullsoft Install System v3.08
< Back
Next >
Cancel


Nmap Setup
Finished
Thank you for installing Nmap
Nmap has been installed on your computer.
Click Finish to close this wizard.
Nullsoft Install System v3.08
< Back
Finish
Cancel

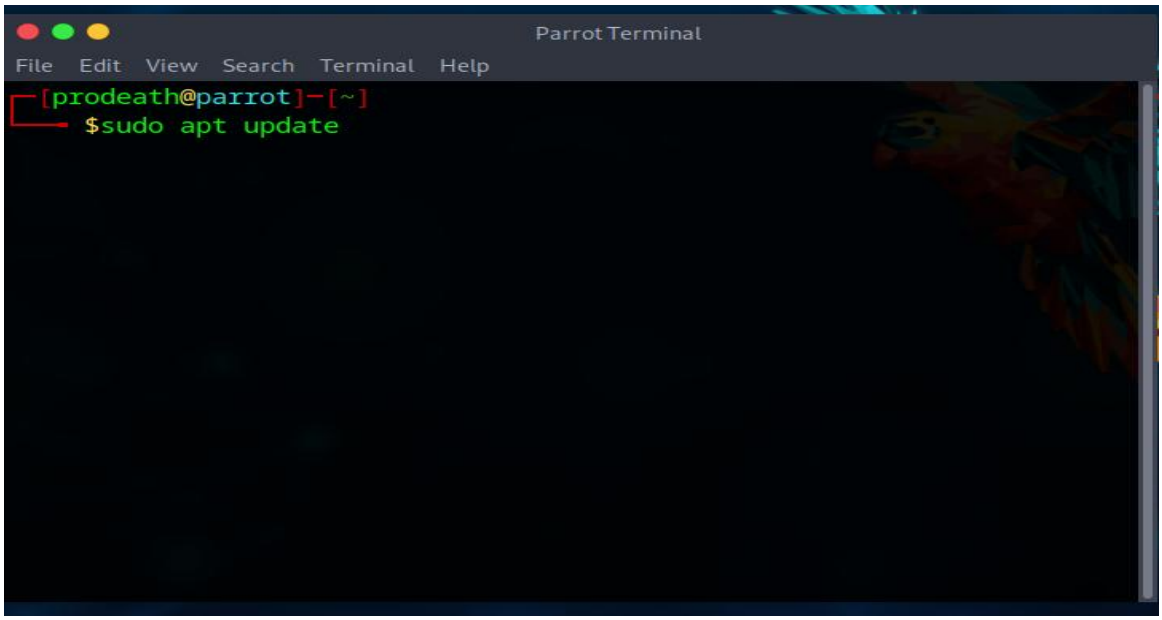

Zenmap
Scan
Tools
Profile
Help
Target:
Profile:
Intense scan
Scan
Cancel
Command:
nmap -T4 -A -v
Hosts
Services
OS
Host
Nmap Output
Ports / Hosts
Topology
Host Details
Scans
Details
Filter Hosts

Installing Nmap on Linux



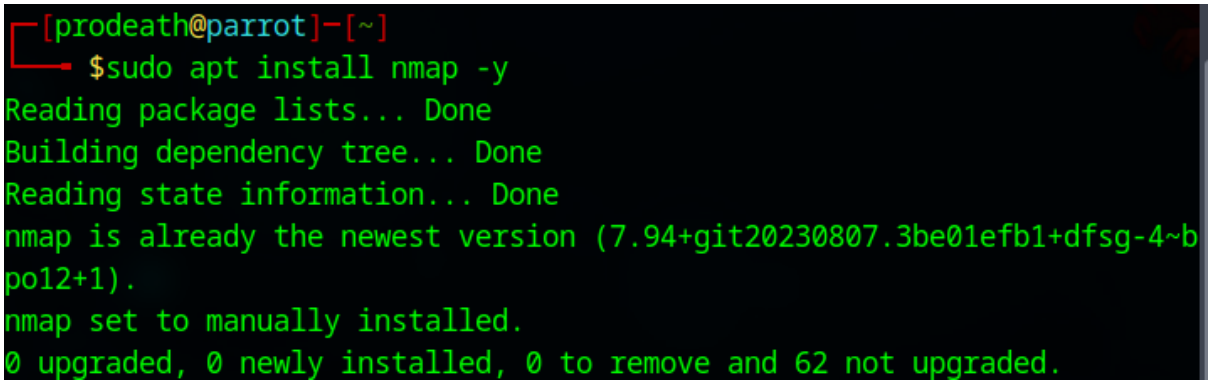
Open the Terminal

Use **Ctrl + Alt + T** to open the terminal on your Linux system.



Before installing, update your local package index to ensure you get the latest version:

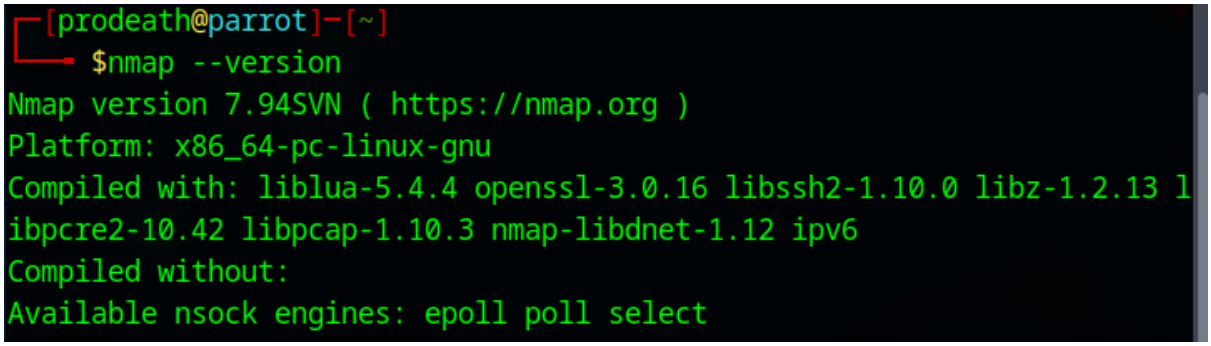
sudo apt update



Install Nmap

Run the following command to install Nmap:

sudo apt install nmap -y



Verify the Installation

Check if Nmap was successfully installed by checking its version:

nmap --version