

To install Wireshark

To Download on Windows go to <https://www.wireshark.org>

Press Download wireshark stable release:4.4.0

Windows x64 Installer

Choose your operating system:

- Windows
- macOS
- Linux

For Windows:

- Run the downloaded .exe file
- Follow the installation wizard, accepting default options unless you have specific preferences

For Linux:

- Most distributions have Wireshark in their package repositories
- Use your package manager to install, e.g.:
 - Ubuntu/Debian: `sudo apt-get install wireshark`
 - Fedora: `sudo dnf install wireshark`
 - Arch Linux: `sudo pacman -S wireshark-qt`

To Install NMAP

To download and install Nmap (Network Mapper), follow these steps:

1. Go to the official Nmap website:
<https://nmap.org/download.html>
2. Choose your operating system: For Windows:

- Scroll down to the "Microsoft Windows" section
- Download the latest stable release installer (e.g., "nmap-X.XX-setup.exe")
- Run the downloaded executable and follow the installation wizard

For Linux:

- Most distributions have Nmap in their package repositories
- Use your package manager to install, e.g.:
 - Ubuntu/Debian: `sudo apt-get install nmap`
 - Fedora: `sudo dnf install nmap`
 - Arch Linux: `sudo pacman -S nmap`

3. After installation:

- On Windows, you can run Nmap from the command line or use the Zenmap GUI if installed
- On Linux, you can run Nmap directly from the terminal

4. Verify the installation by opening a terminal or command prompt and typing: `nmap --version`

This should display the Nmap version information if it's installed correctly.