

Installing Nmap on Mac OS

The easiest way to install Nmap and Zenmap on Mac OS X is to use the proper installer:

<https://nmap.org/download.html#macosx>

The Mac OS X section of the Nmap download page provides a file named `nmap-<version>.dmg`, where `<version>` is the version number of the most recent release. The `.dmg` file is known as a “disk image”. Installation instructions follow:

- Download the file `nmap-<version>.dmg`. Double-click the icon to open it. (Depending on how you downloaded the file, it may be opened automatically.)
- The contents of the disk image will be displayed. One of the files will be a Mac meta-package file named `nmap-<version>.mpkg`. Open it to start the installer.

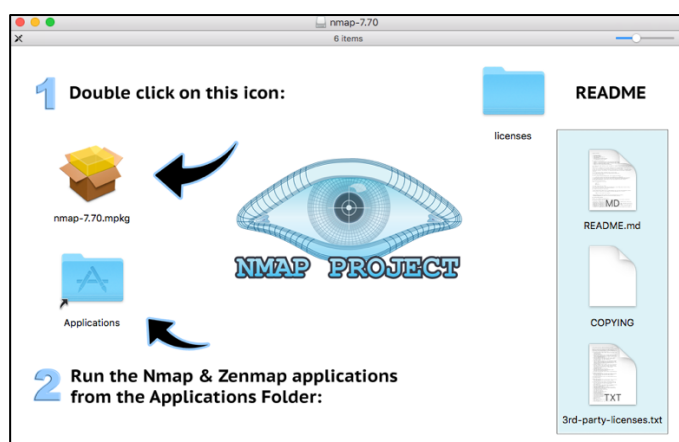


Figure 1. Nmap installation

You may see a dialog like present in Figure 2. If this happens, it is necessary to authorize to run the software as present in the second screen.

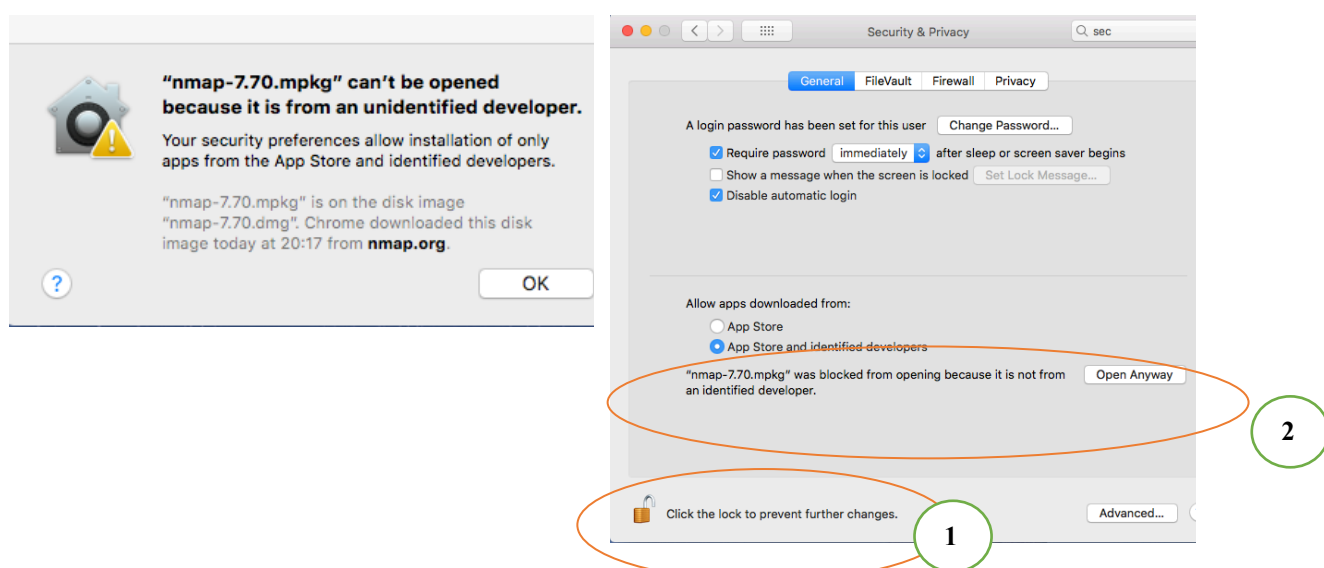


Figure 2. Gatekeeper permission

Follow the instructions in the installer. You will be asked for your password since Nmap installs in a system directory.

Executing Nmap on Mac OS X

The terminal emulator in Mac OS X is called Terminal, and is located in the directory /Applications/Utilities. Open it and a terminal window appears. This is where you will type the following commands presented in Figure 3.



```
MacOS — -bash — 80x21
/Applications/Zenmap.app/Contents/MacOS — -bash
student@localhost:~$ cd /Applications/Zenmap.app/Contents/MacOS/
student@localhost:/Applications/Zenmap.app/Contents/MacOS$ ./Zenmap
```

Figure 3. Nmap execution

Zenmap requires the X11 application to be installed. If it was not installed by default it may be available as an optional install on the Mac OS X installation discs.

When Zenmap is started, a dialog is displayed requesting that you type your password. Users with administrator privileges may enter their password to allow Zenmap to run as the root user and run more advanced scans. To run Zenmap in unprivileged mode, select the “Cancel” button on this authentication dialog.

Installing Nmap on Windows

The easiest way to install Nmap and Zenmap on Windows is to use the installer. The installation process will install the graphical interface and all the requirements to use the network mapper. After the process, you would be able to run the graphical interface Zenmap. Follow the instructions:

1. Browse to <https://nmap.org/download.html> and download the latest self-installer:

<https://nmap.org/dist/nmap-7.70-setup.exe>

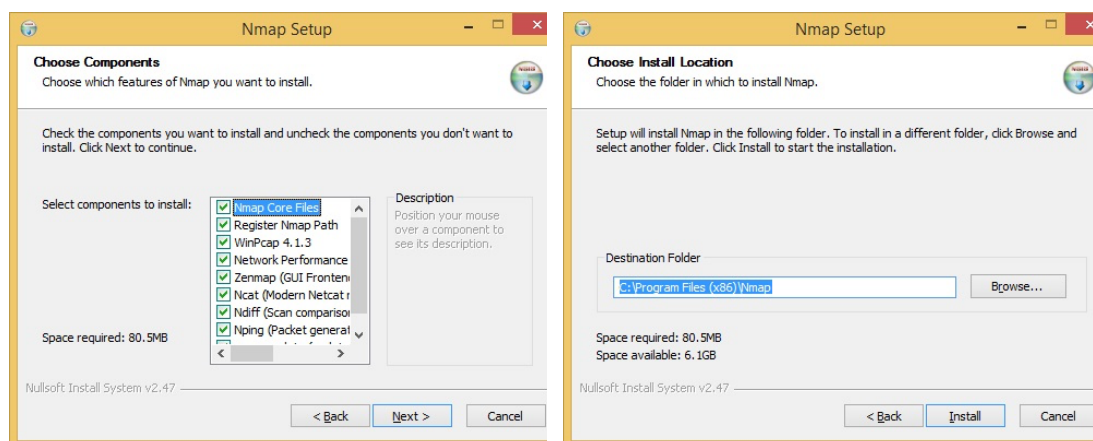


Figure 4. Windows Installer

2. You can execute the program by using the Windows menu and query for **Zenmap**, such as depicted in the Figure 5.

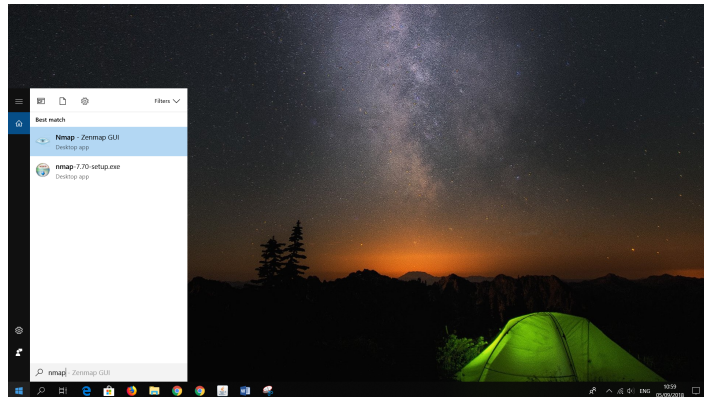


Figure 5. Executing Nmap on Windows