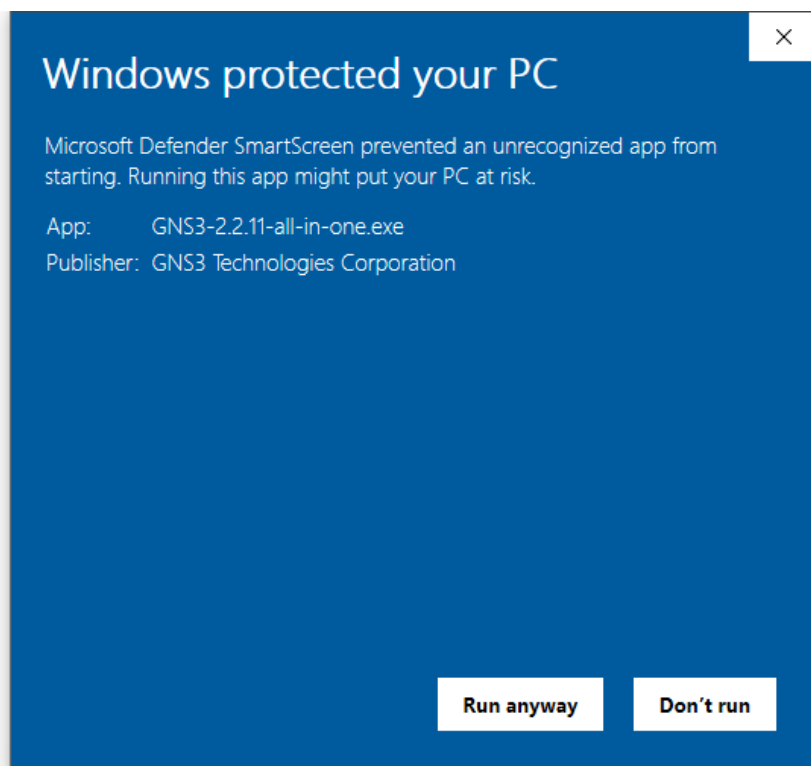> **Chapter 06 Pre-task Install GNS3**

> You **MUST** complete this task as part of 6.1.2.1 before continuing with the rest of the chapter. Installing of GNS3 on Windows PC is straightforward; this section has been separated out from the main book to save workspace.

> This is step-by-step GNS3 installation procedures for GNS3 2.2.11. At the time of writing this book, the latest version was 2.2.11. If you have downloaded the latest GNS3 version, you can use the new version and all features will be supported.

Install GNS3 (Pre-task for 6.1.2.1)

#	Task
01	Once the GNS3 installation file download completes in 6.1.1, open the Downloads folder and **double click the file to start the installation**. If the Windows Defender SmartScreen message appears, click on **More info** and click on the [**Run anyway**] button to begin your GNS3 installation.

[Figure 6-1-Pre] GNS3 Installation – Windows Defender SmartScreen
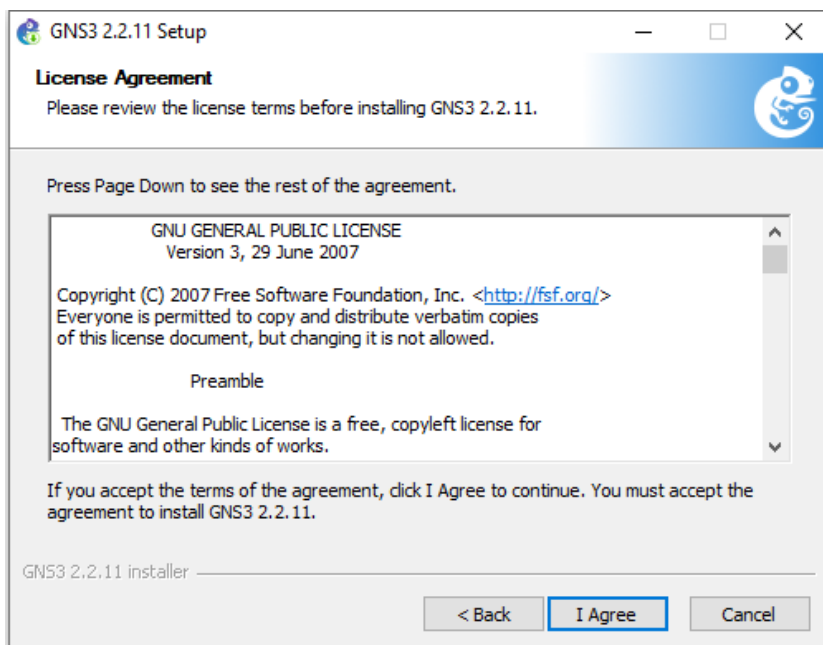
02   The User Account Control will ask you, "**Do you want to allow this app to make changes to your device?**" Go ahead and click the [**Yes**] button.

When GNS3 2.2.11 Setup Welcome wizard pops up, click the [**Next >**] button.
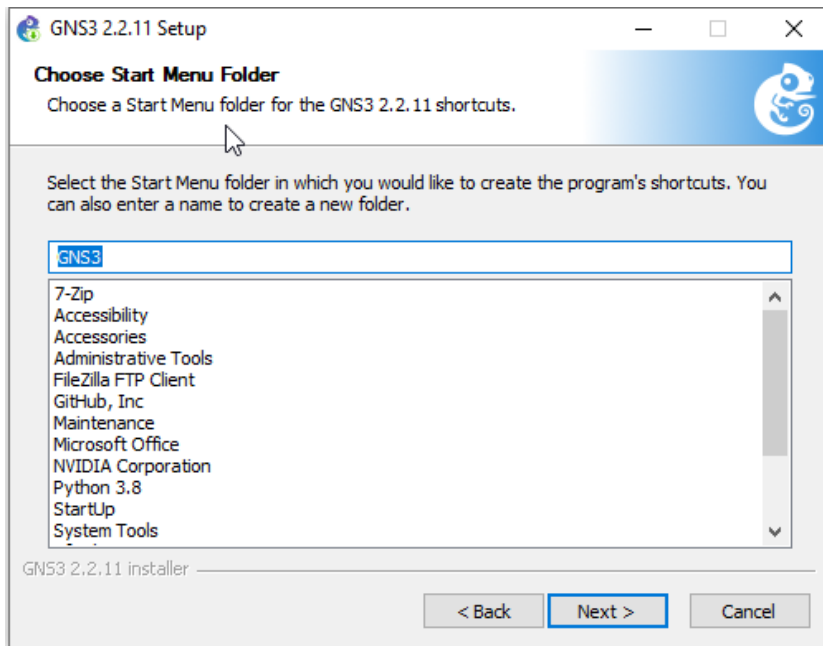

[Figure 6-2-Pre] GNS3 Installation – Installation wizard Welcome screen

03   For the **License Agreement**, click on the [**I Agree**] button to move to the next step.
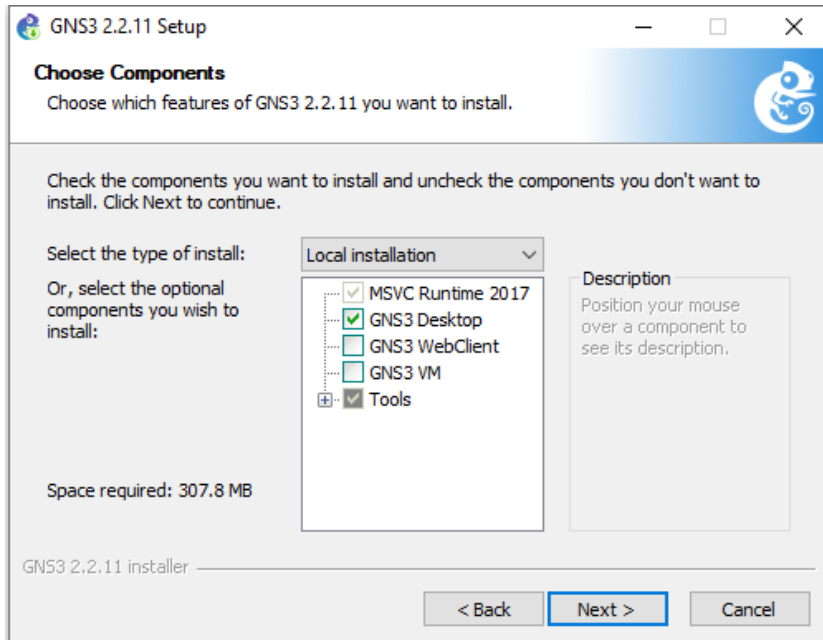

[Figure 6-3-Pre] GNS3 Installation – License Agreement

04   When the **Choose Start Menu Folder** option appears, leave it as default and click on the [**Next >**]
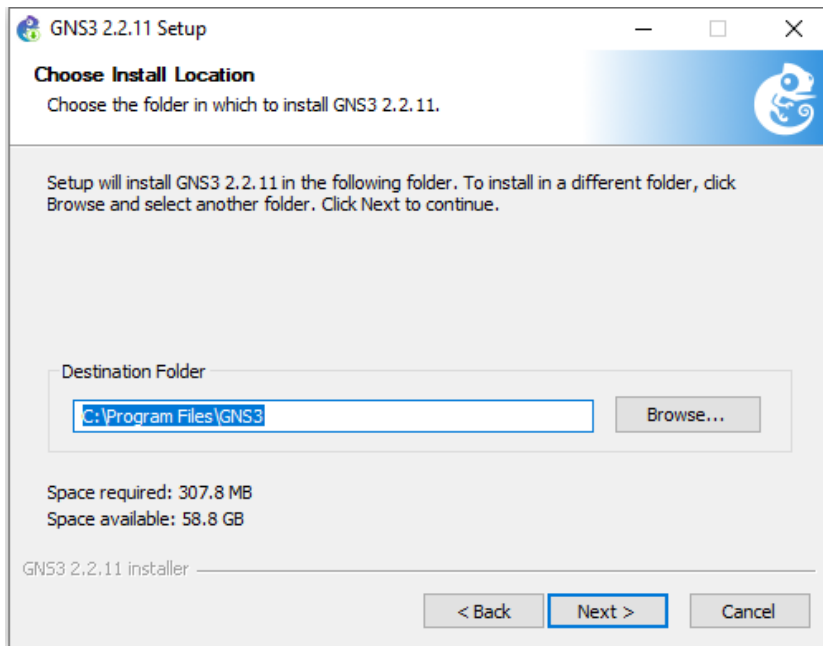button.

[Figure 6-4-Pre] GNS3 Installation – Choose Start Menu Folder

05   Next, you will see the **Choose Components** window appear, leave all settings as default and click
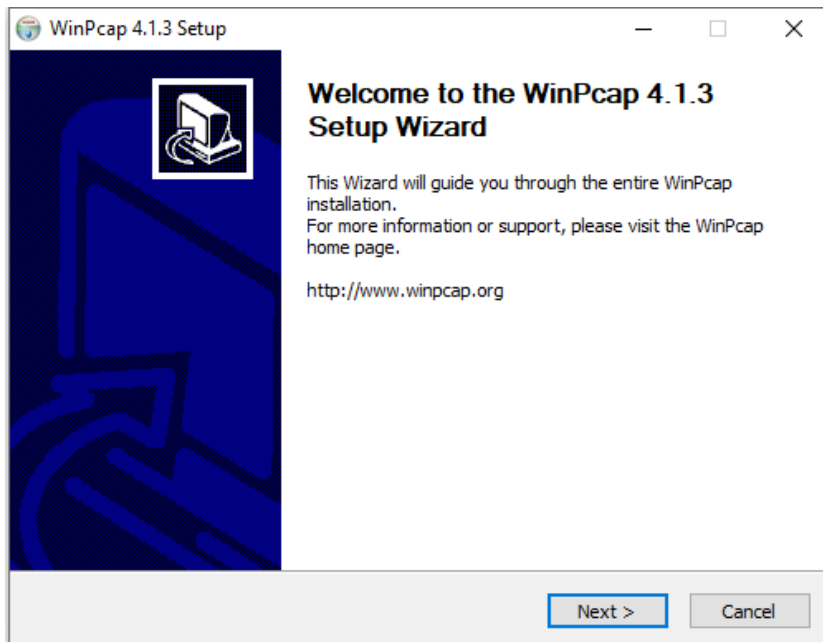on the [**Next >**] button.

[Figure 6-5-Pre] GNS3 Installation - Choose Components

06   Leave the Destination Folder as default on the **Choose Install Location** screen. Click on [**Next >**] button.
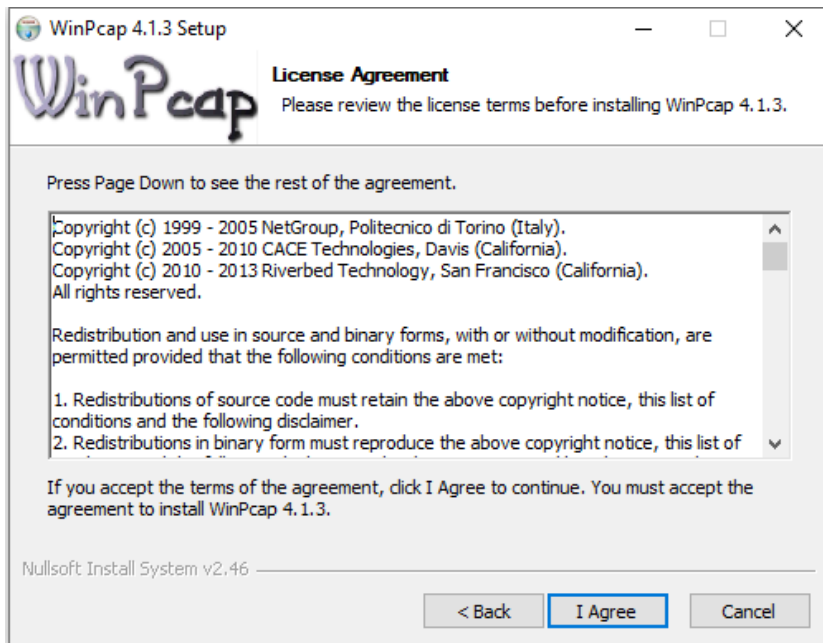

[Figure 6-6-Pre] GNS3 Installation - Choose Install Location

07   Installation begins, and then the wizard will prompt WinPcap 4.1.3 installation as below. We need this for GNS3 to work correctly. So, without a second thought, click on the [**Next >**] button.
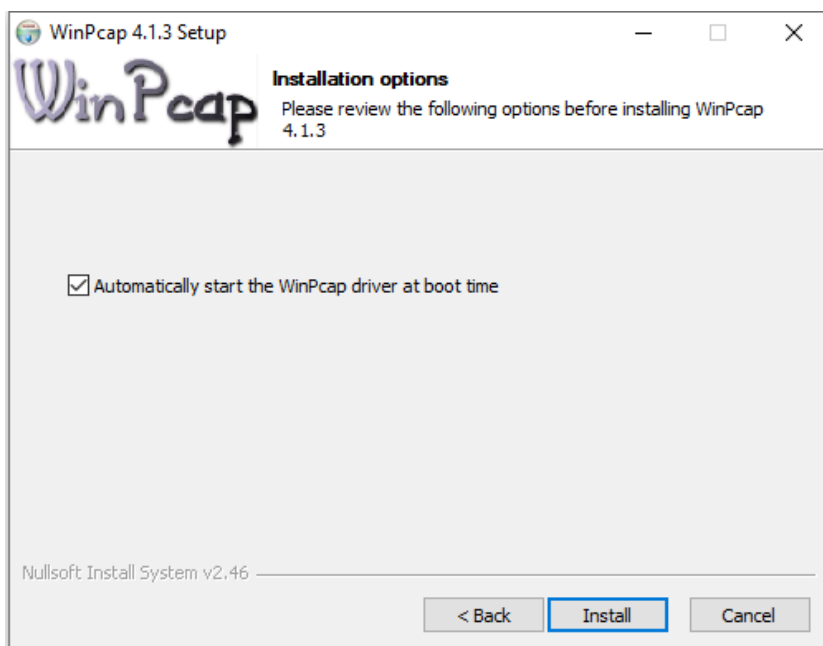

[Figure 6-7-Pre] GNS3 Installation – WinPcap 4.1.3 Setup screen

08   WinPcap is essential software for smooth GNS3 operation, so click on the [**I Agree**] button to install the software.
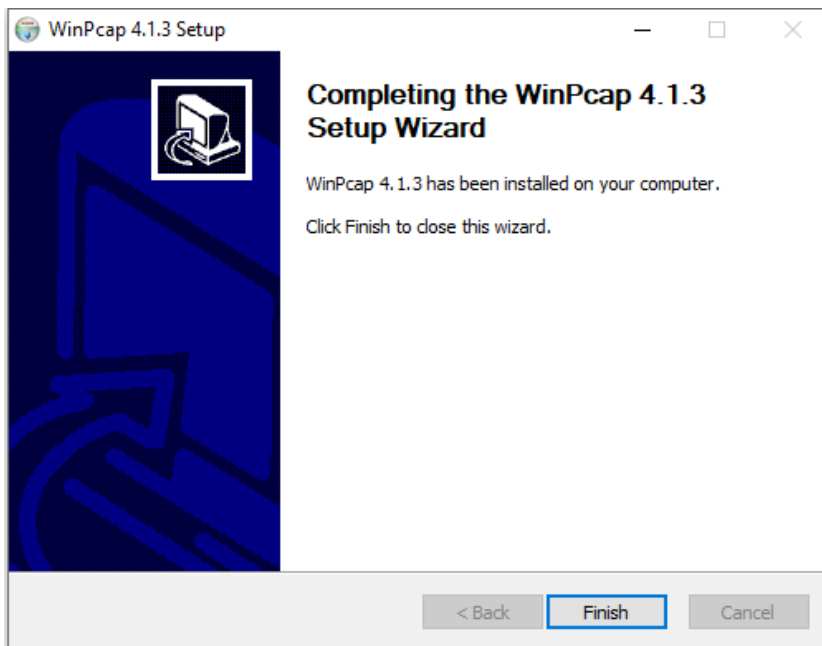

[Figure 6-8-Pre] GNS3 Installation - WinPcap 4.1.3 installation prompt

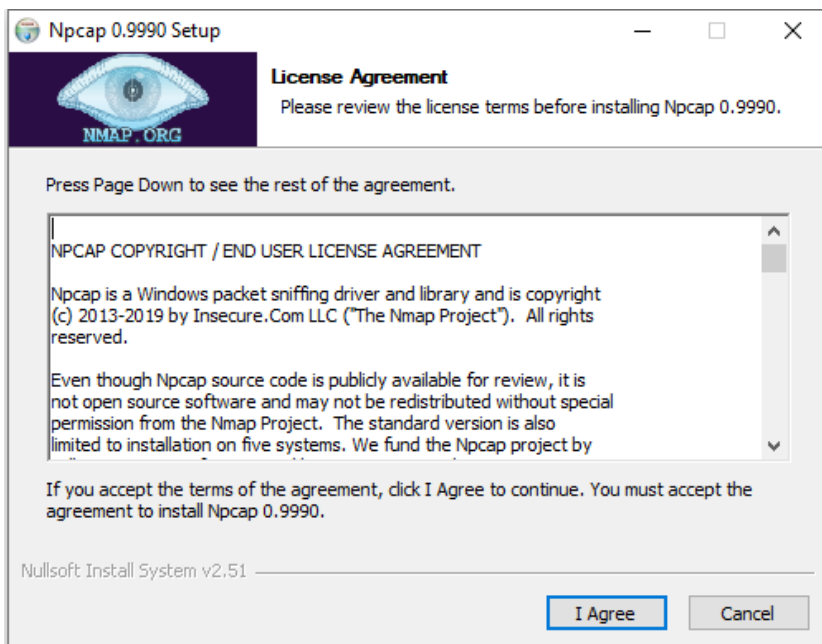**09**   Click the [**Install**] button to install WinPcap.

[Figure 6-9-Pre] GNS3 Installation - WinPcap 4.1.3 installation options

10   As soon as you click the WinPcap Setup [**Finish**] button, the GNS3 installation will continue.
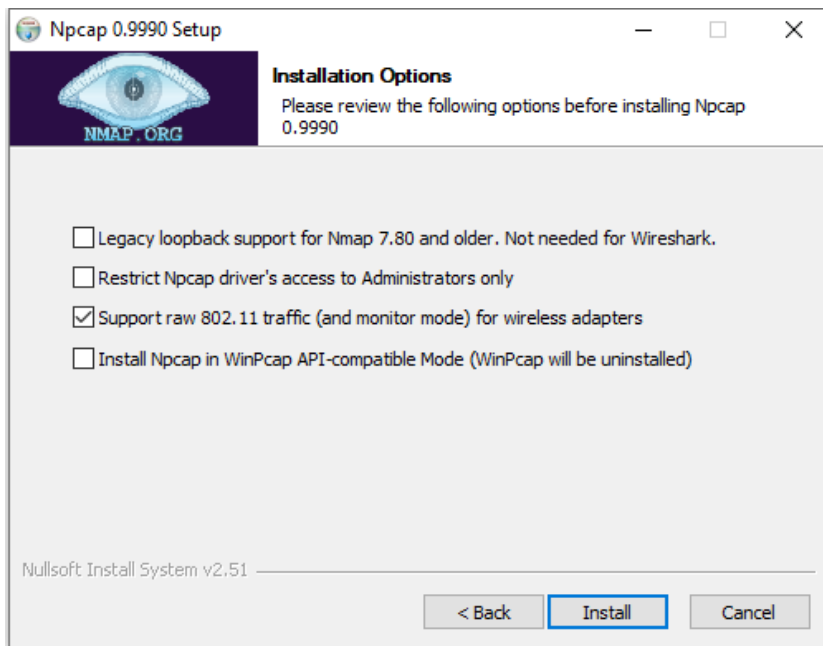

[Figure 6-10-Pre] GNS3 Installation – WinPcap 4.1.3 installation completed

11   This time, the Npcap installation wizard will be prompted. Npcap is also a handy tool if you are into packet sniffing, so, to continue, I recommend you to click on the [**I Agree**] button.
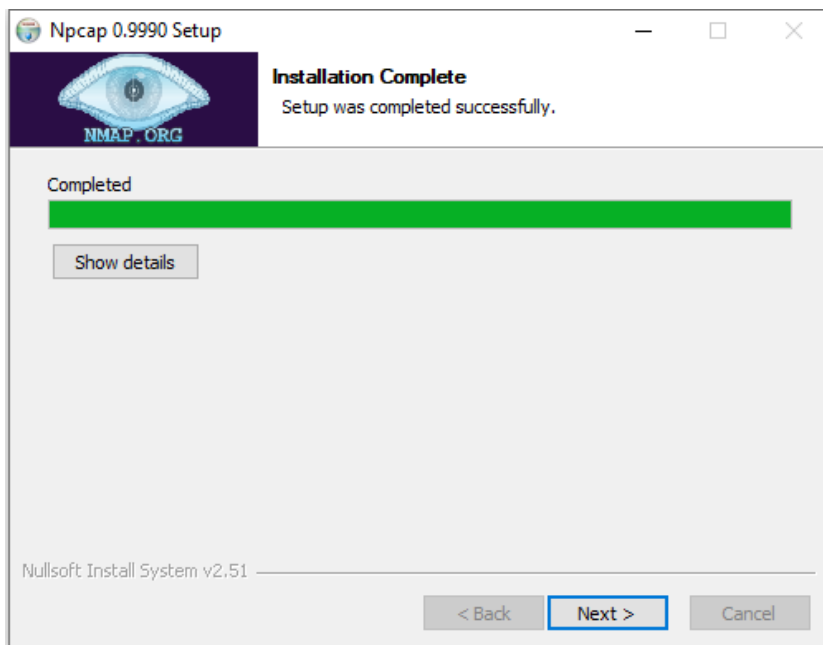

[Figure 6-11-Pre] GNS3 Installation - Npcap installation prompt

12 Next, leave all settings as default and click on the [**Install**] button.
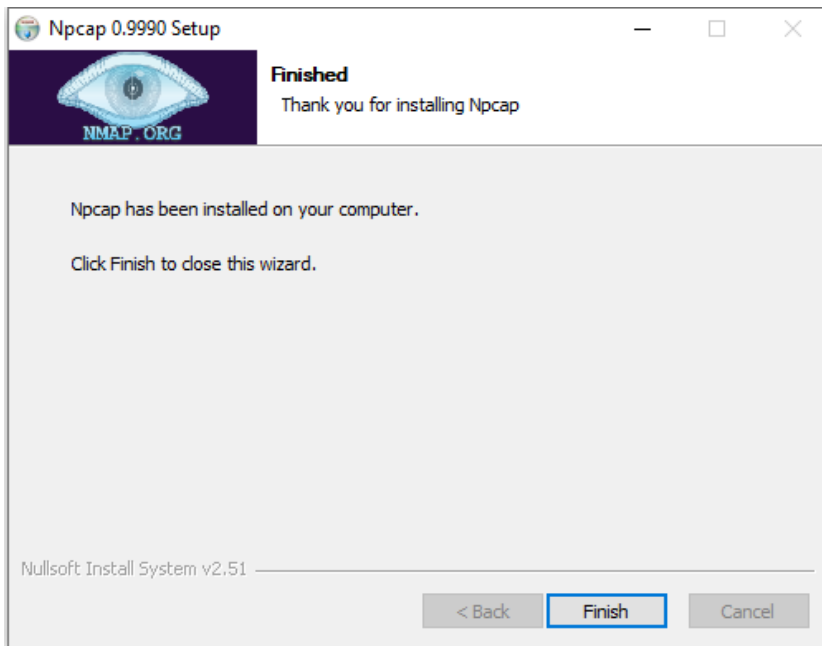

[Figure 6-12-Pre] GNS3 Installation – Npcap installation Options

13 Once the Npcap installation finishes, click on the [**Next >**] button to go back to GNS3 installation.
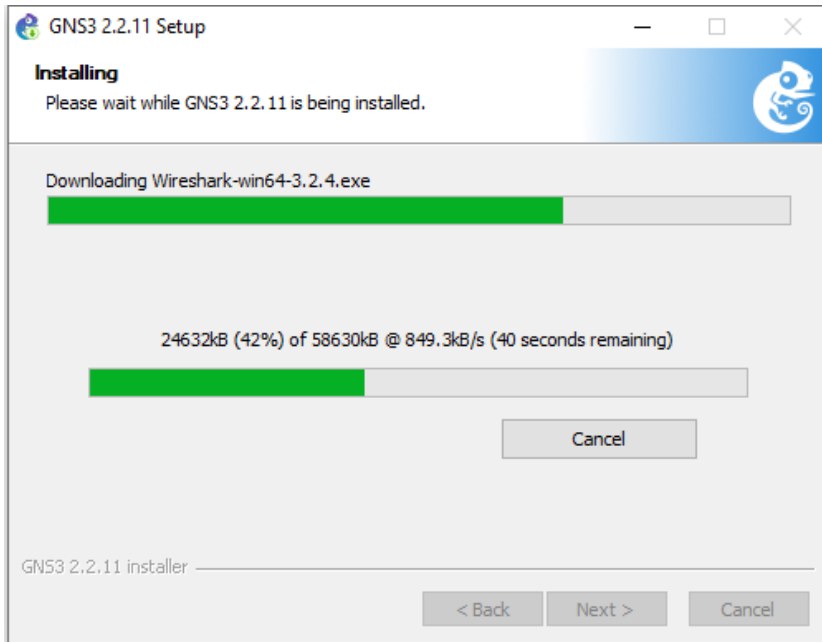

[Figure 6-13-Pre] GNS3 Installation - Npcap installation complete screen

14   At Npcap Finished screen, click on the [**Finish**] button to complete the Npcap installation. This will allow GNS3 installation to continue.
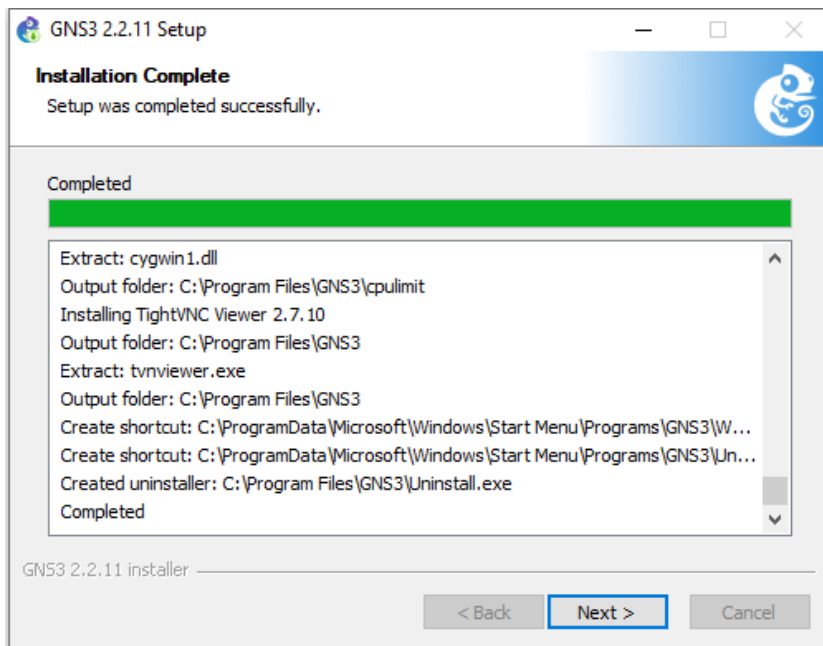
[Figure 6-14-Pre] GNS3 Installation - Npcap installation Finish screen

15   Now, GNS3 installation will continue, and **Wireshark-win64-3.2.4.exe** will be installed on your host automatically.
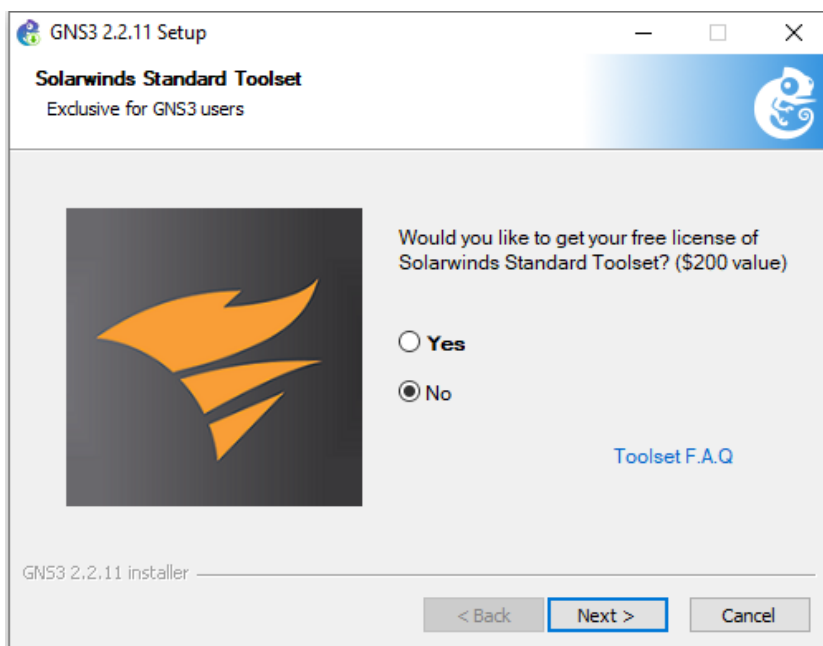
[Figure 6-15-Pre] GNS3 Installation – GNS3 installation continues

16   When GNS3 installation completes, you will see the following windows. Click the [**Next >**] button.
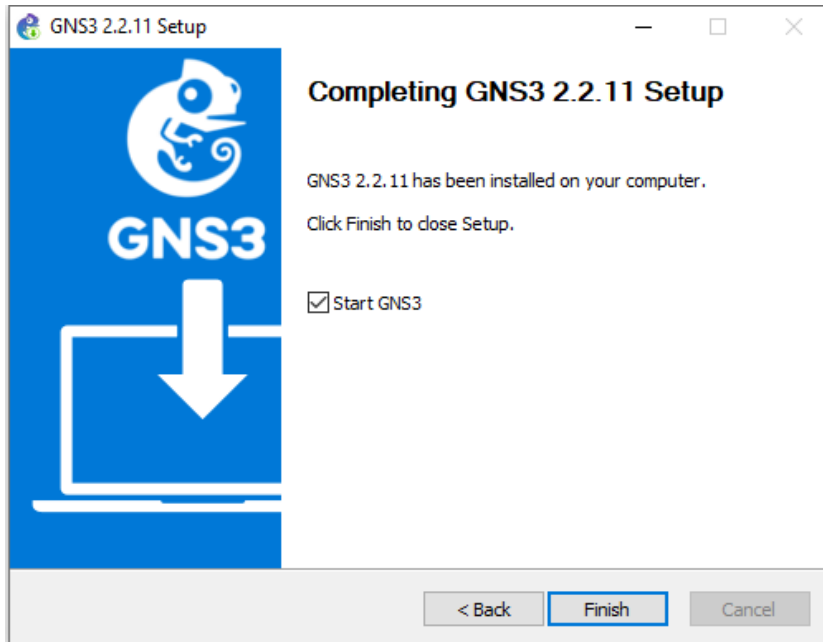

[Figure 6-16-Pre] GNS3 Installation – Installation Complete

17   When you see the following offer from Solarwinds, choose **No** and click the [**Next >**] button. Do not bother wasting your time with this tool.

[Figure 6-17-Pre] GNS3 Installation – Solarwinds Standard Toolset offer

18 Finally, when you see the following message, you have completed the GNS3 installation. Click the [**Finish**] button to move to the next window. Leave Start GNS3 checkbox ticked and let GNS3 run for the first time.

[Figure 6-18-Pre] GNS3 Installation – Completing GNS3 Setup

> *You have completed GNS3 installation. Now, continue your reading from "6.1.2.2 GNS3 Setup procedures".*