**Installation Instruction eNSP from HUAWEI**

Each virtual device on eNSP takes up a certain amount of resources. The number of virtual devices supported by each computer varies according to the configuration. In the table, n is an integer representing the increased memory size. The maximum number of networking devices in the extended configuration can be expanded according to the increase of memory, up to 50.
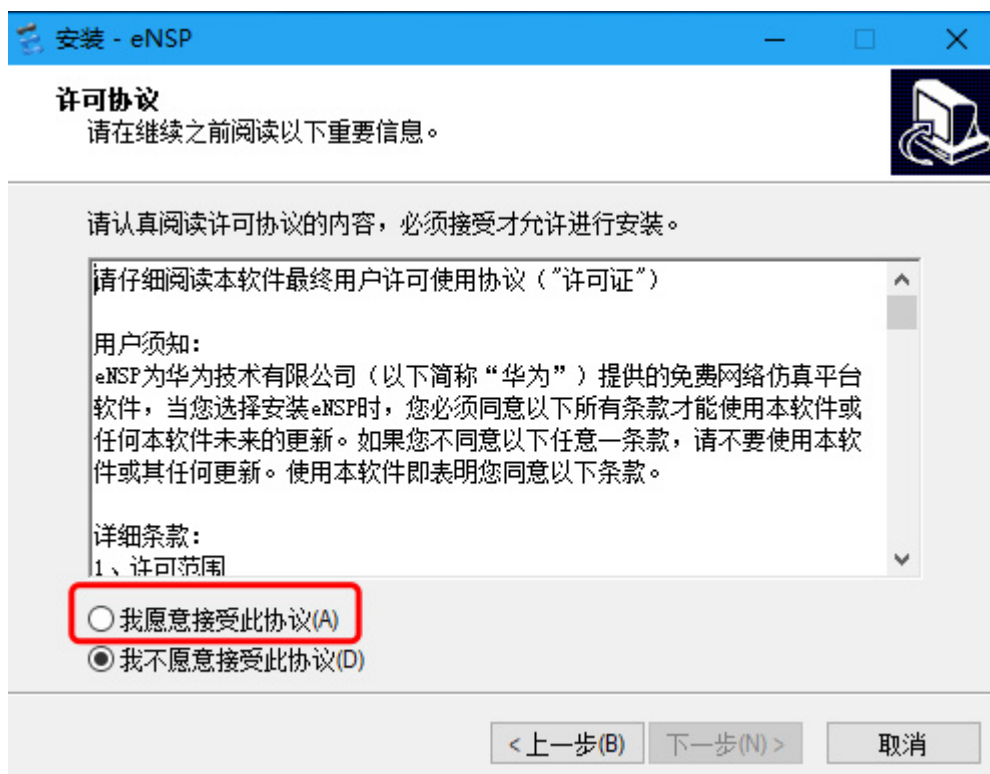
Installation

Unzip the downloaded eNSP V100R002C00B510 Setup.zip file with compression software, double-click to start installation.
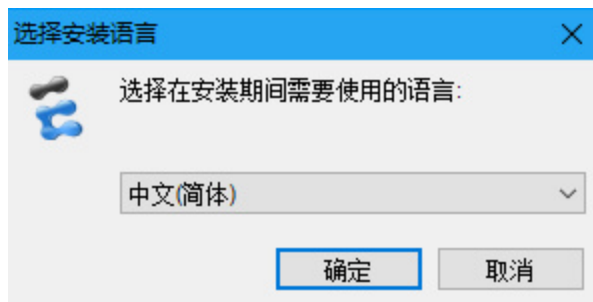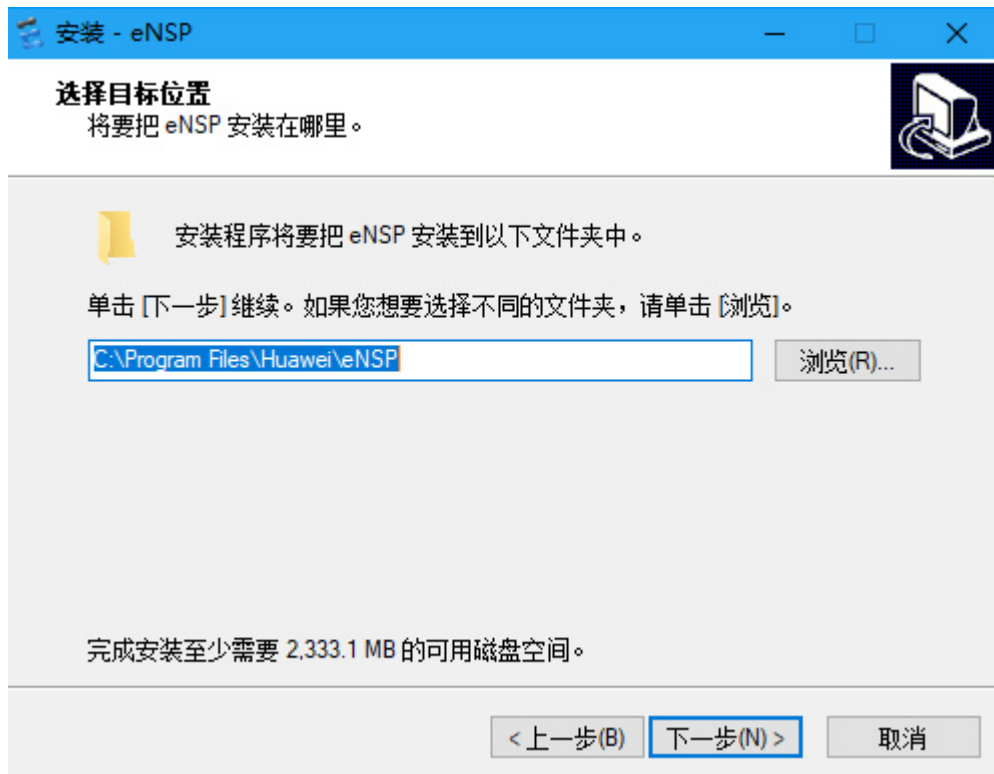

Select the installation language, default English, direct point determination
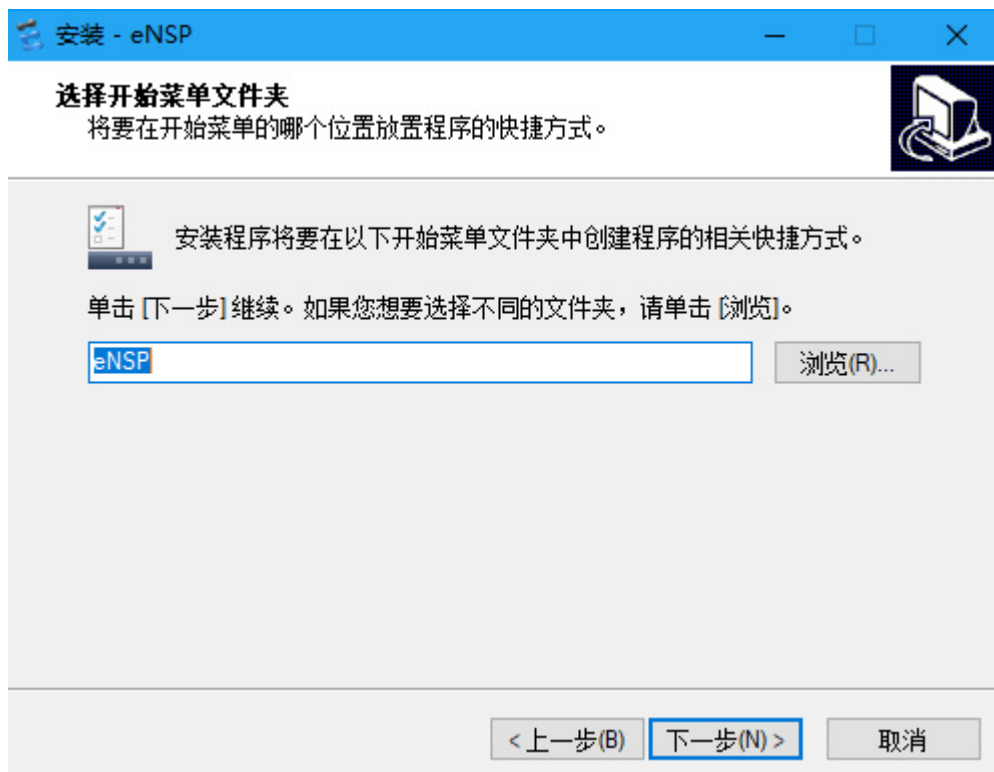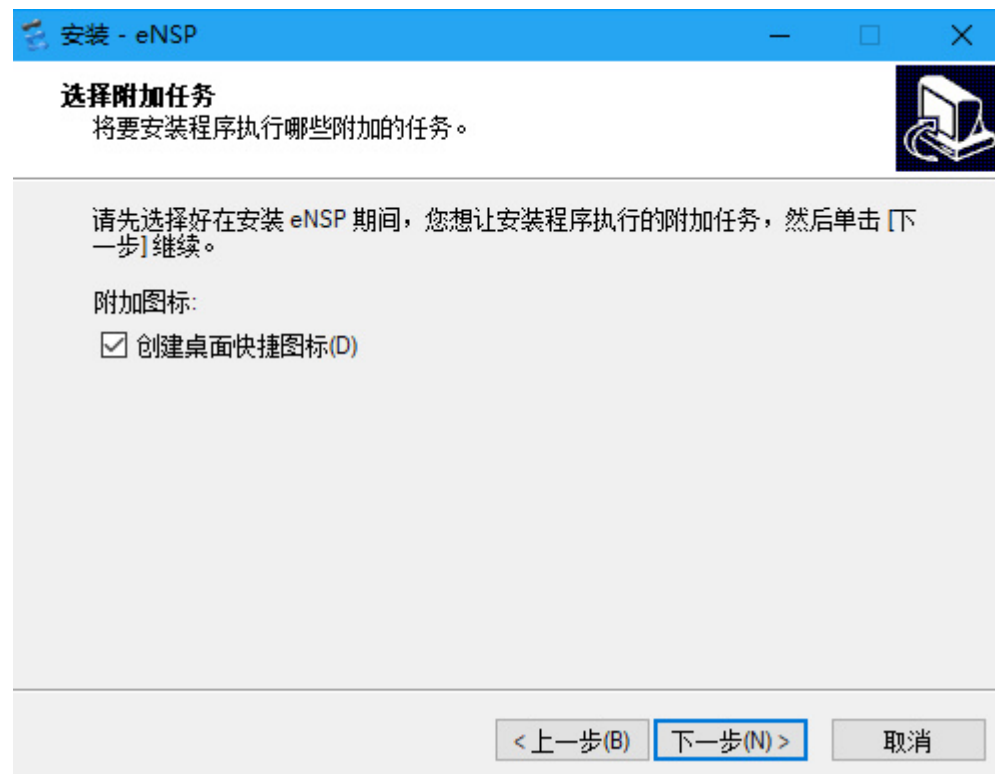
Enter eNSP installation boot and click Next

License Agreement, select "I am willing to accept this agreement" and click
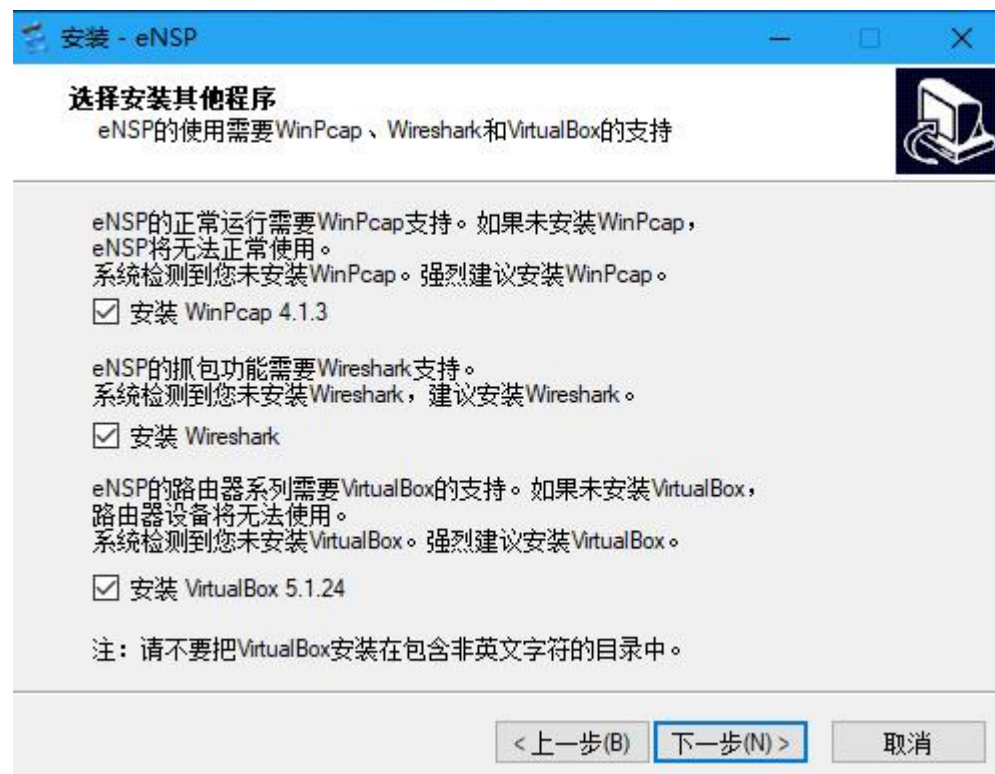
Next

Choose the installation location. It is recommended to keep the default. Click

Next

Select the location of eNSP in the Start Menu and keep it by default. Click

Next

Select whether to create a desktop icon. By default, click Next.

Select additional components, eNSP will automatically check whether the system has installed the following components, not installed will automatically check, installed will not check, click next step directly

Important! The following components need to be installed during eNSP installation：

WinPcap

WinPcap is an open source library based on Win32 platform for capturing and analyzing network data packets. Most network applications access the network through widely used operating system components, such as sockets. This is a simple implementation, because the operating system has properly handled the underlying implementation details (such as protocol processing, packet encapsulation, etc.) and provides a familiar interface similar to reading and writing files. Sometimes, however, this "simple way" does not meet the requirements of the task, because some applications need direct access to the data packets in the network. That is to say, those applications need to access the original data packets, which are not processed by the operating system using network protocols.

WinPcap was created to provide this access for Win32 applications; WinPcap provides the following functions：

• Capture raw data packets, whether they are sent to a machine or exchanged on other devices (shared media)

• Filter packets according to user-specified rules before sending them to an

application

- Send the original packet over the network

- Collect and Statistics Network Traffic Information

These functions can only be realized by using the network device driver installed in the Win32 kernel, together with several DLLs of dynamic link libraries.

WireShark

Wireshark (formerly Ethereal) is a network packet analysis software. The function of network packet analysis software is to retrieve network packets and display the most detailed network packet data as far as possible. Wireshark uses WinPCAP as its interface to exchange data messages directly with network cards.

VirtualBox

VirtualBox is an open source virtual machine software. VirtualBox is a software developed by Innotek, Germany, and produced by Sun Microsystems. It is written in Qt and formally renamed Oracle VM VirtualBox after Sun was acquired by Oracle. Innotek releases VirtualBox with GNU General Public License (GPL) and provides binary and OSE versions of the code. Users can install and execute Solaris, Windows, DOS, Linux, OS/2 Warp, BSD and other systems as client operating systems on VirtualBox. Now it is developed by Oracle, which is part of Oracle's xVM virtualization platform technology.。
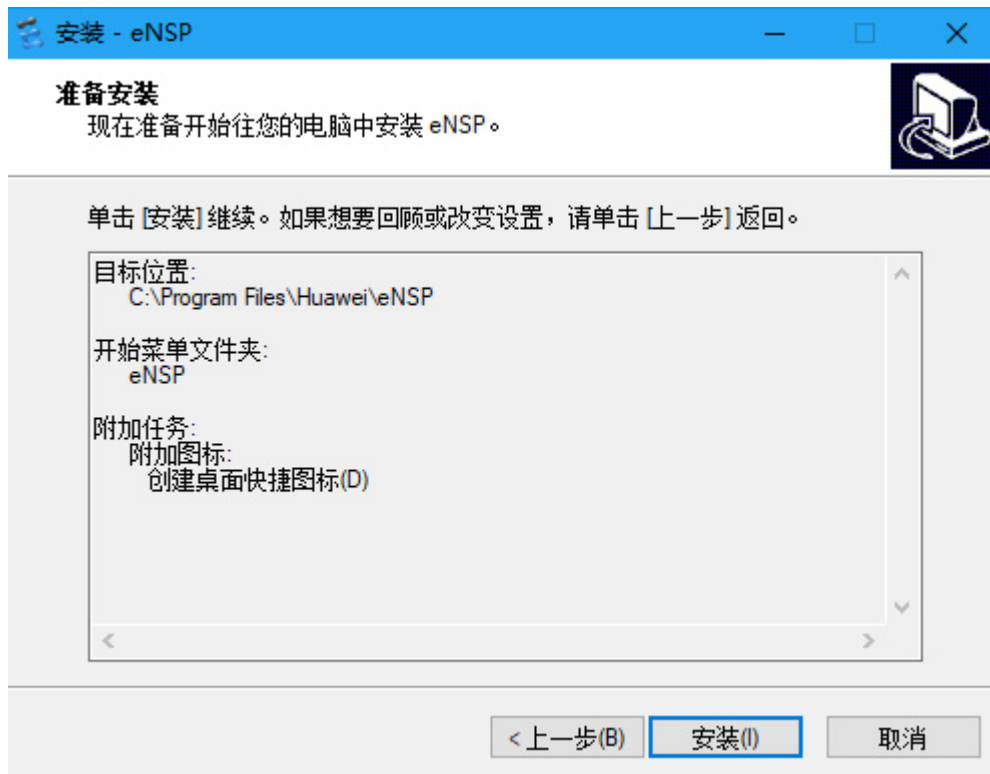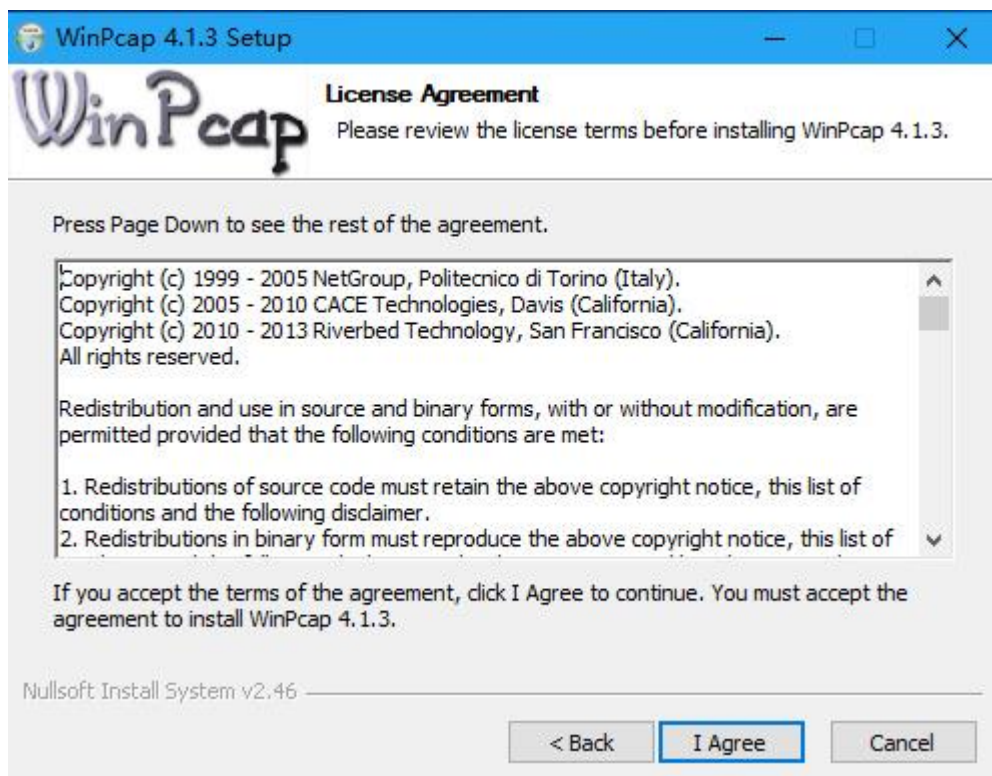
Final confirmation of the information, no problem, click the installation button to start installation
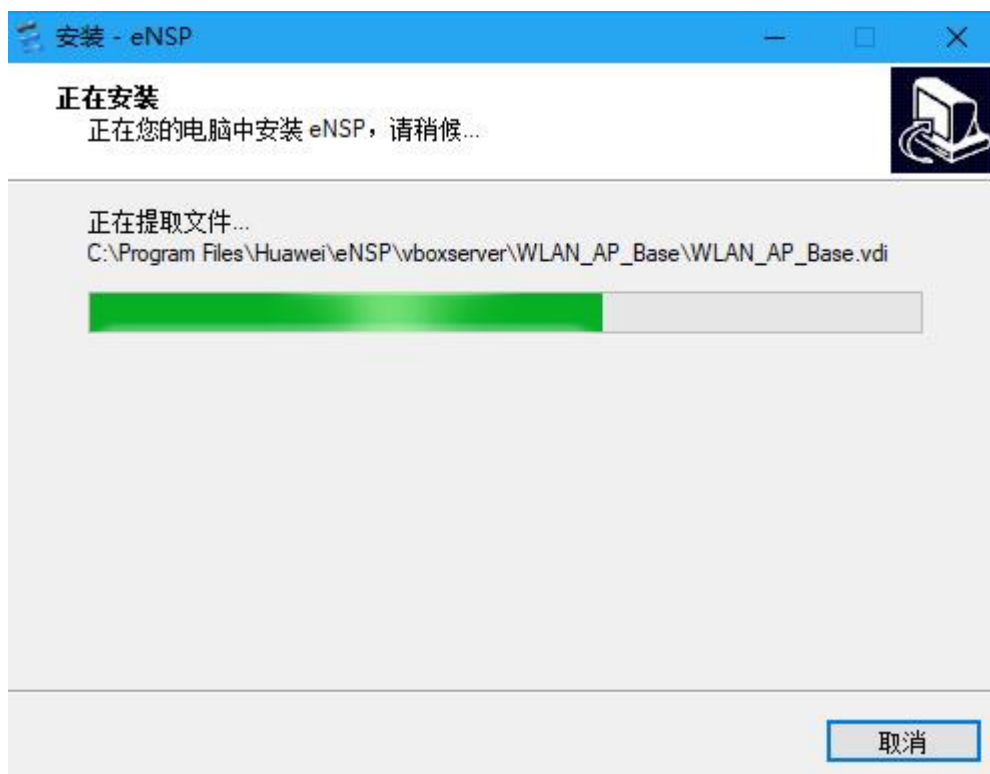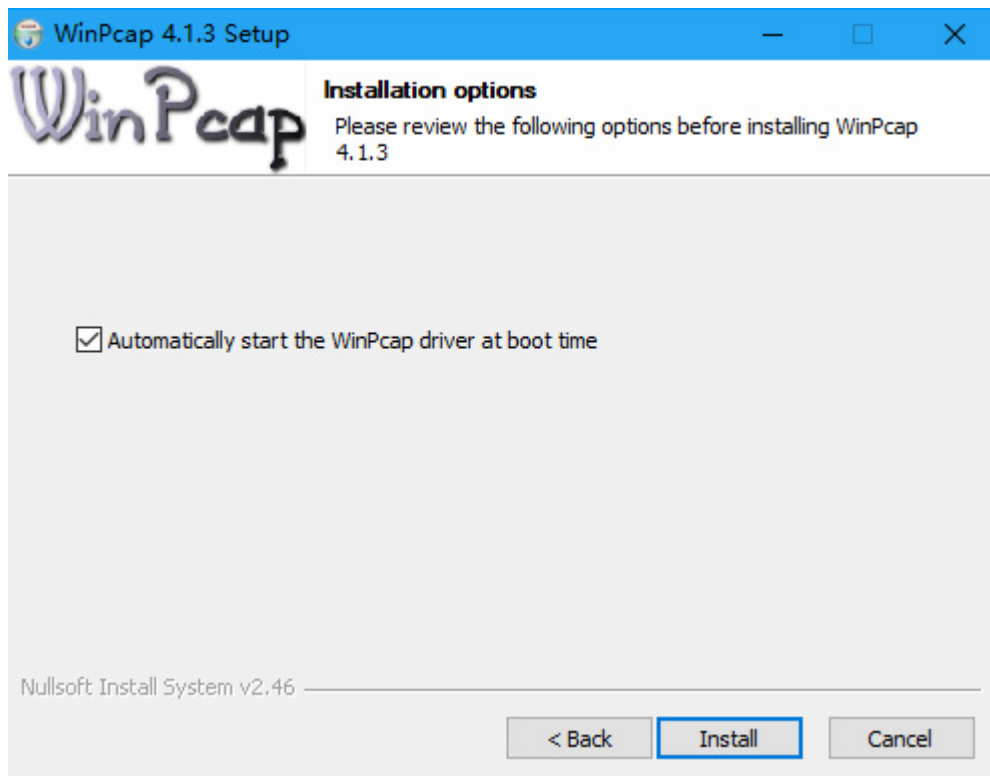

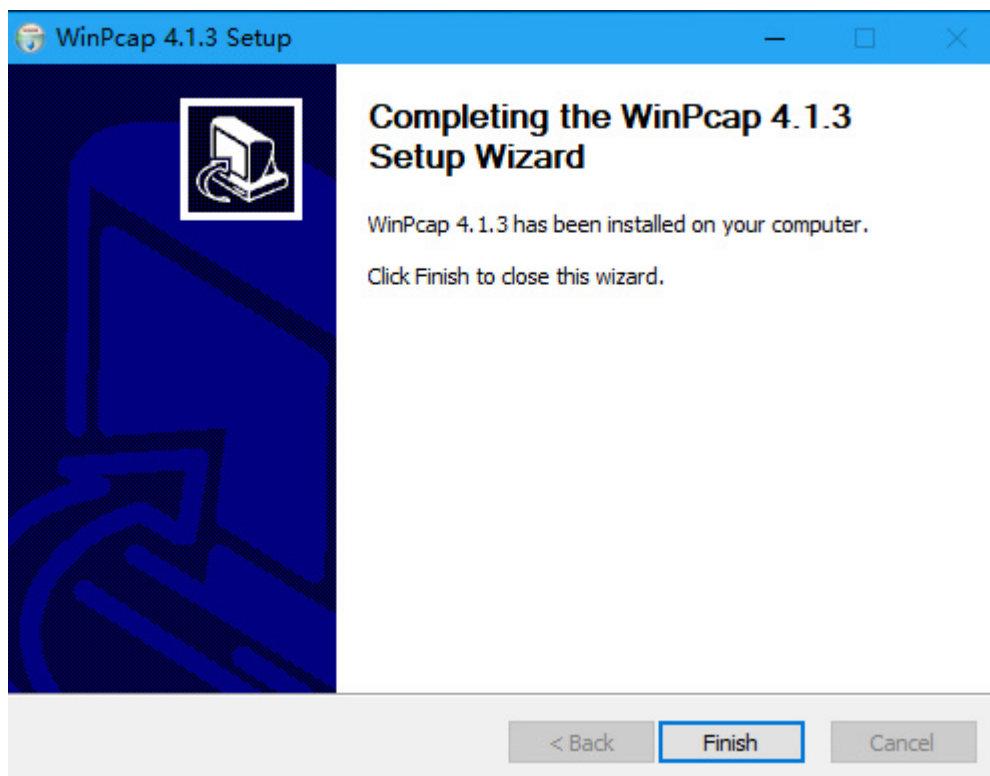Waiting for the progress bar to finish, add-ons will be installed automatically
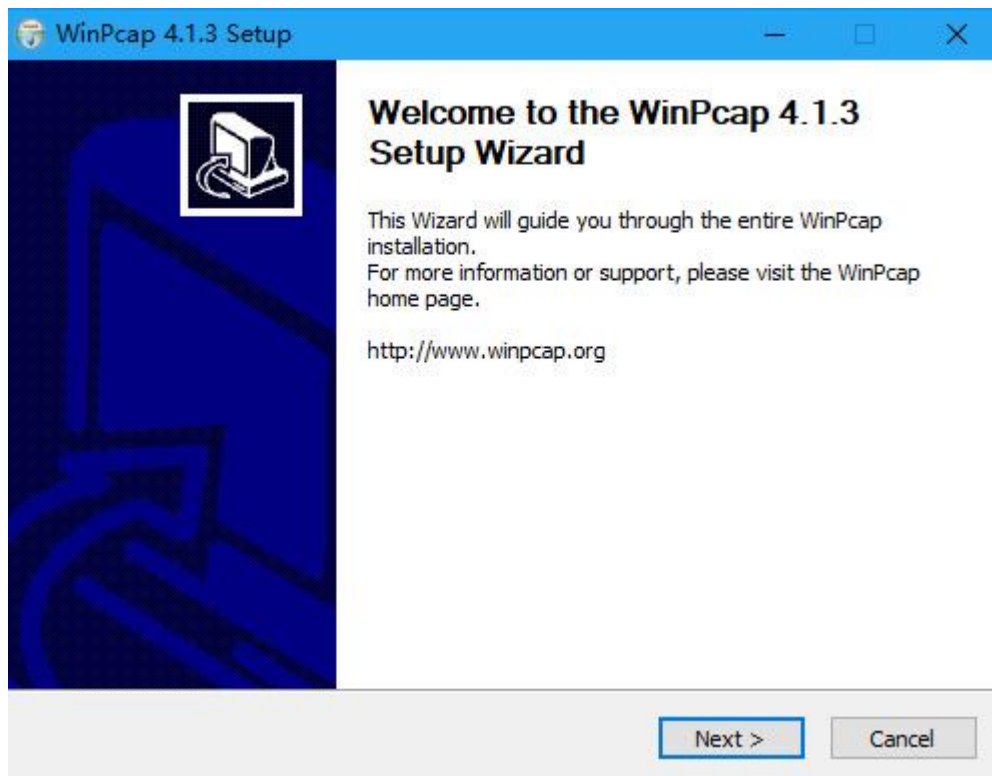
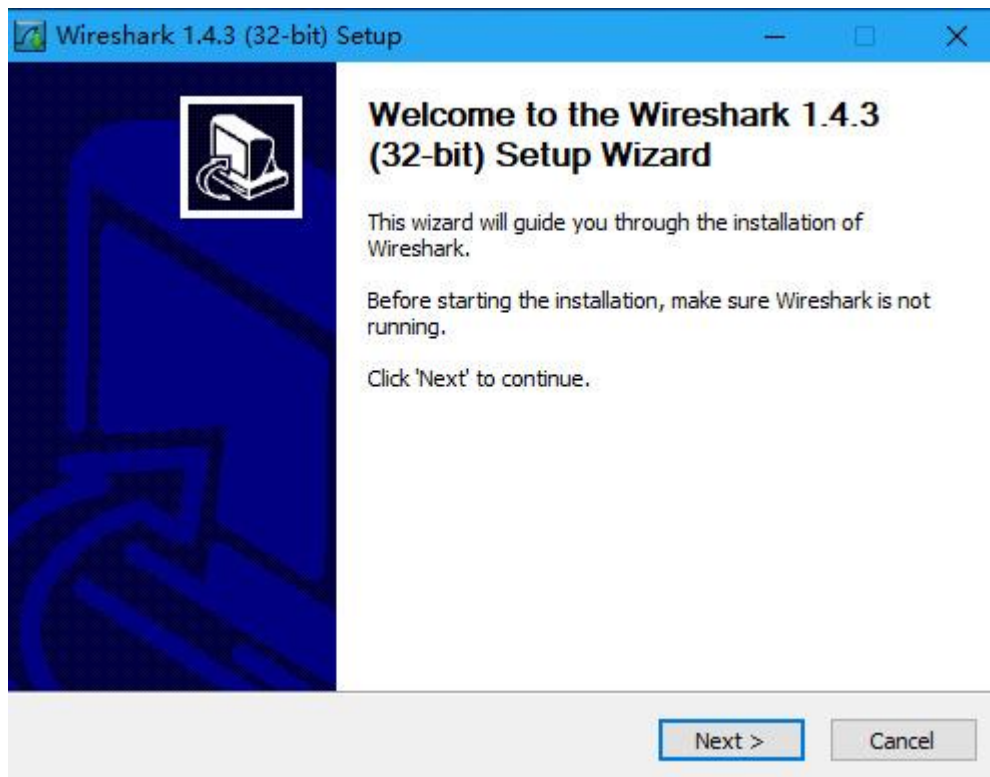Install WinPcap and click Next to proceed
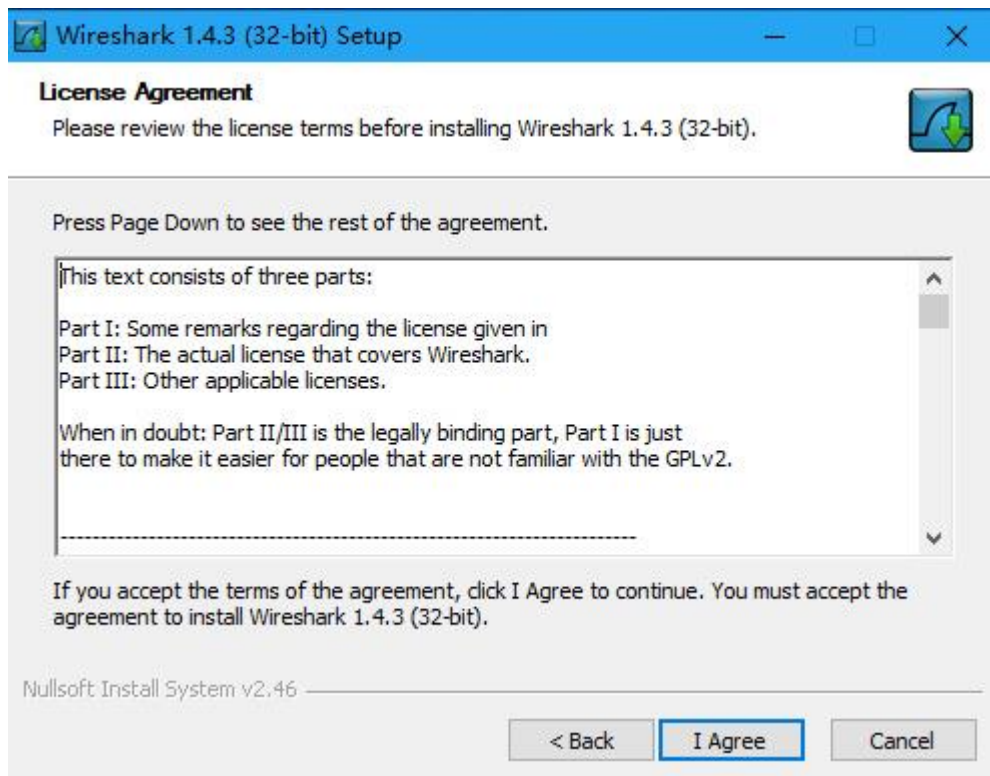

Click "I Agree" to agree to the agreement

To confirm the boot-up self-start, it is recommended to retain and cancel the boot-up self-start, which may cause some unexpected situations. Click "Install" to start the installation.
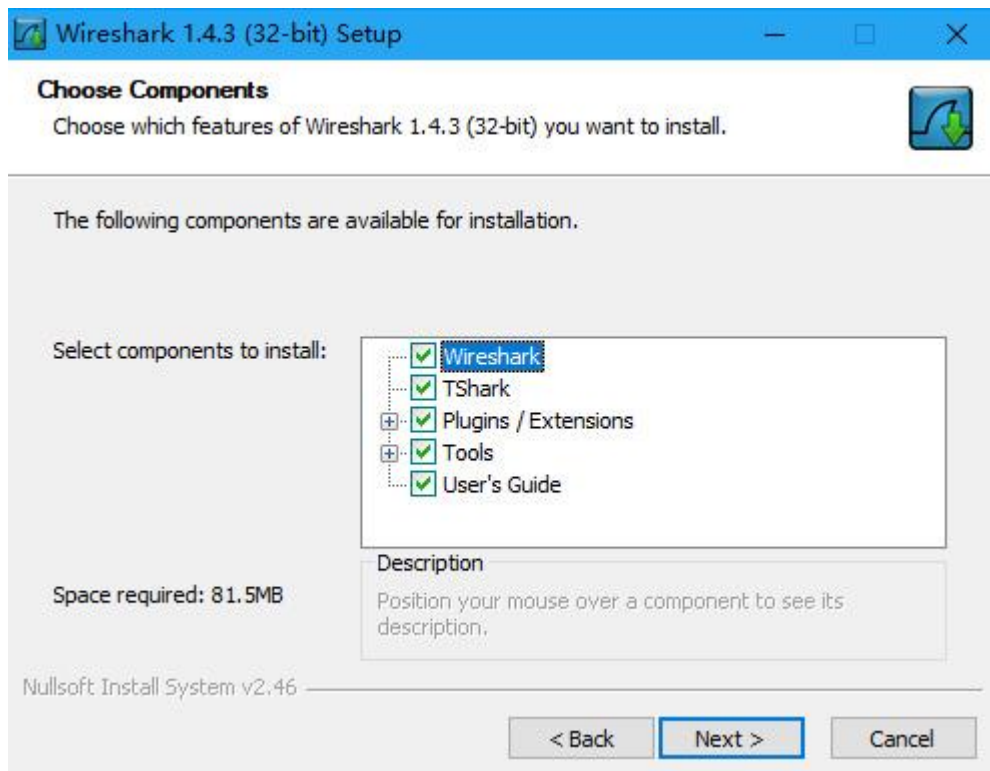
After the progress bar is finished, click "Finish" to complete the installation
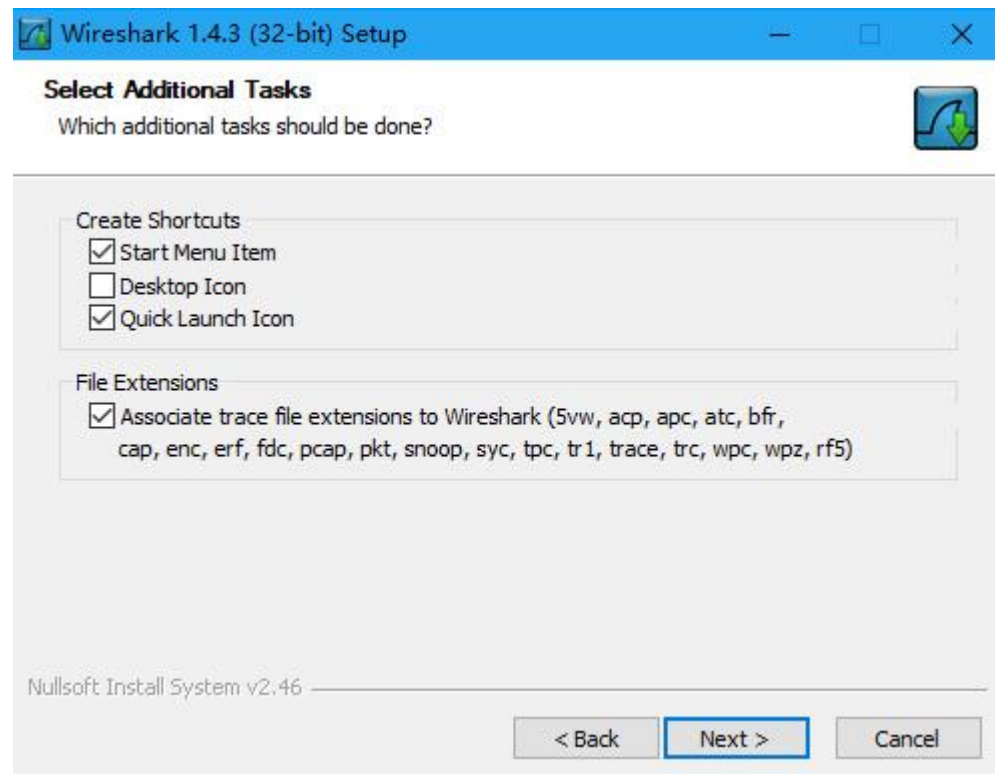
of WinPcap components

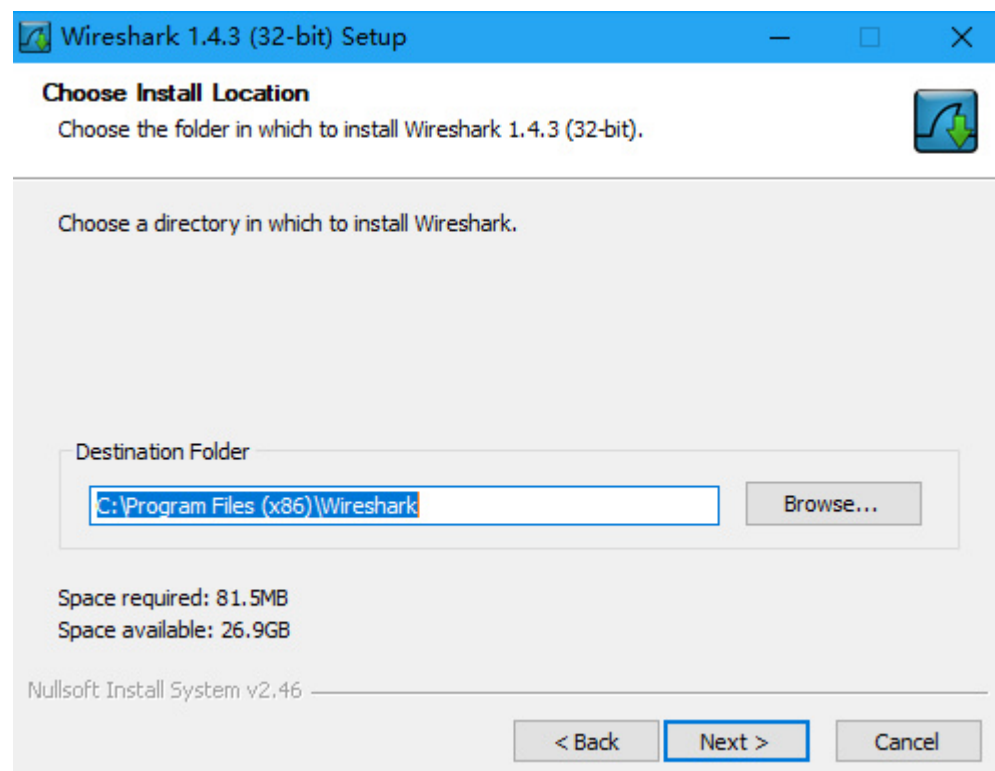Automatically pop up the add-on "Wireshark" and click "Next" for the next

step

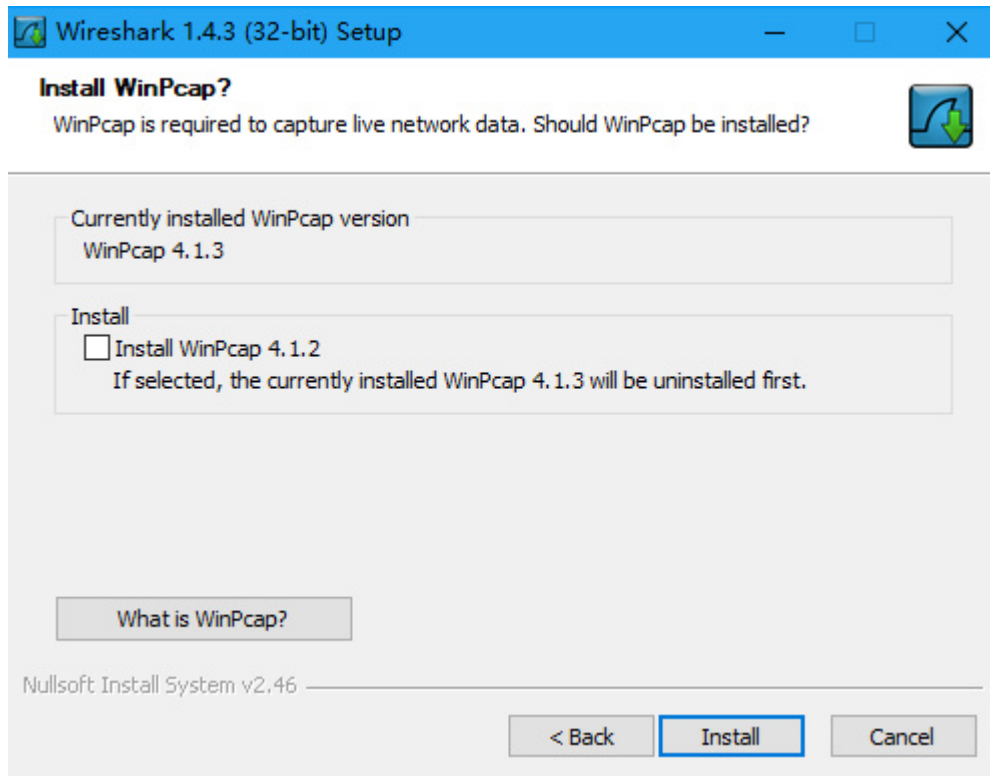Click "I Agree" to agree to the agreement

Select the Wireshark module, recommend default, click Next
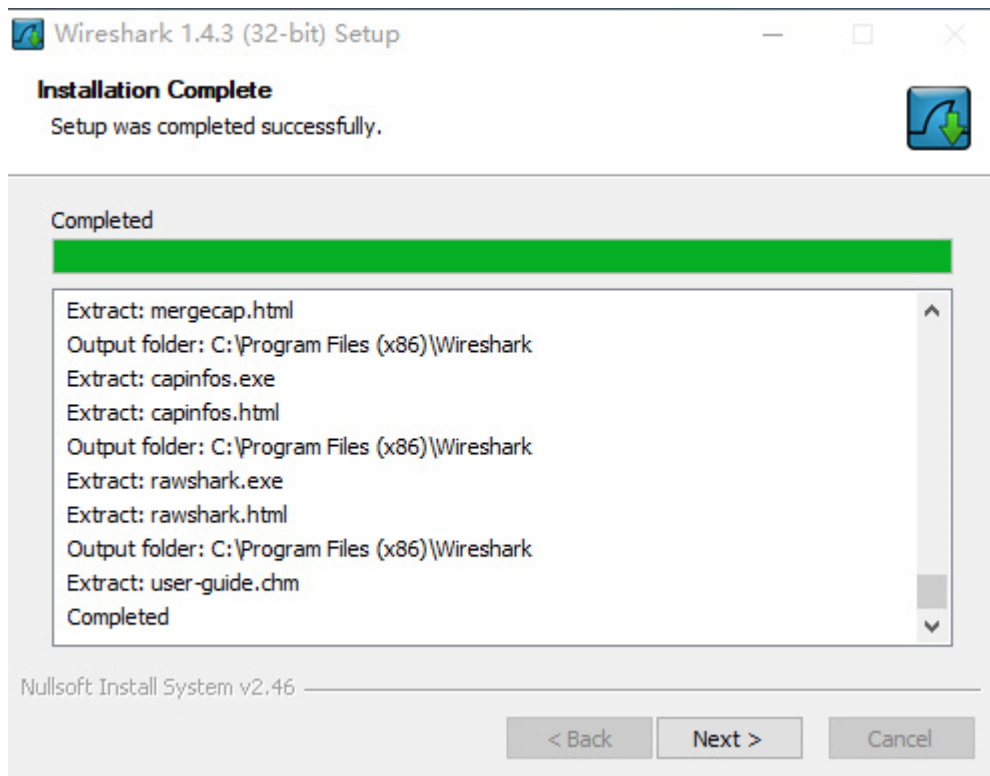

Create shortcuts and associated file formats by default, click Next
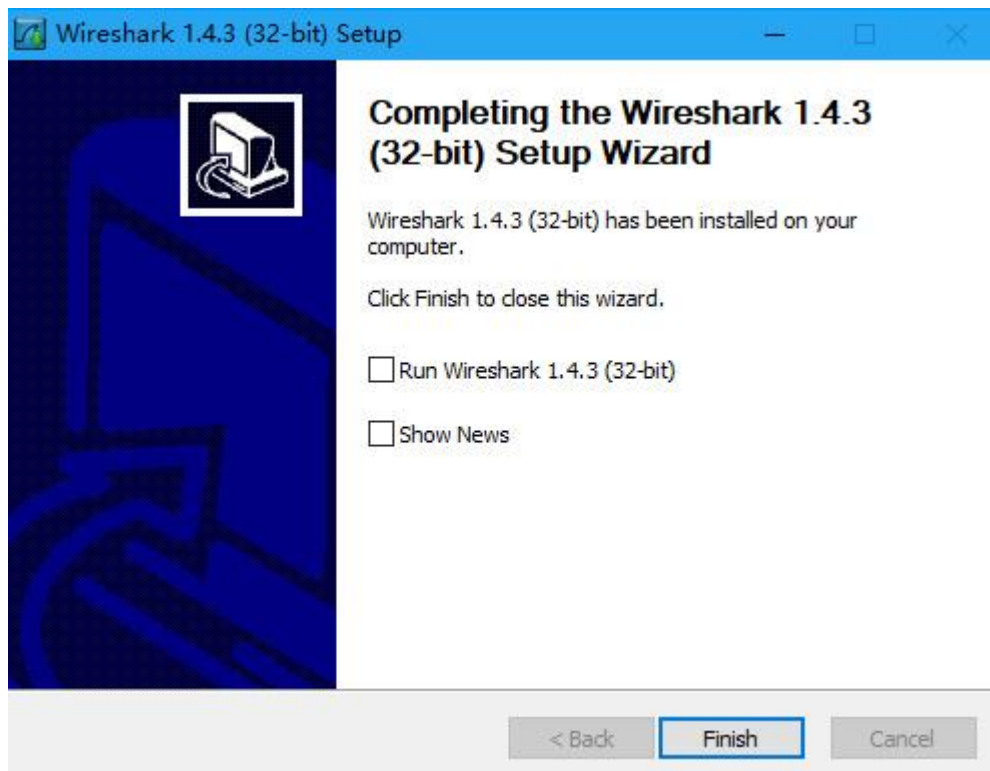
Choose the installation path, do not recommend modification, keep the default. If you change the installation path, you may not be able to open Wireshark when grabbing the package.
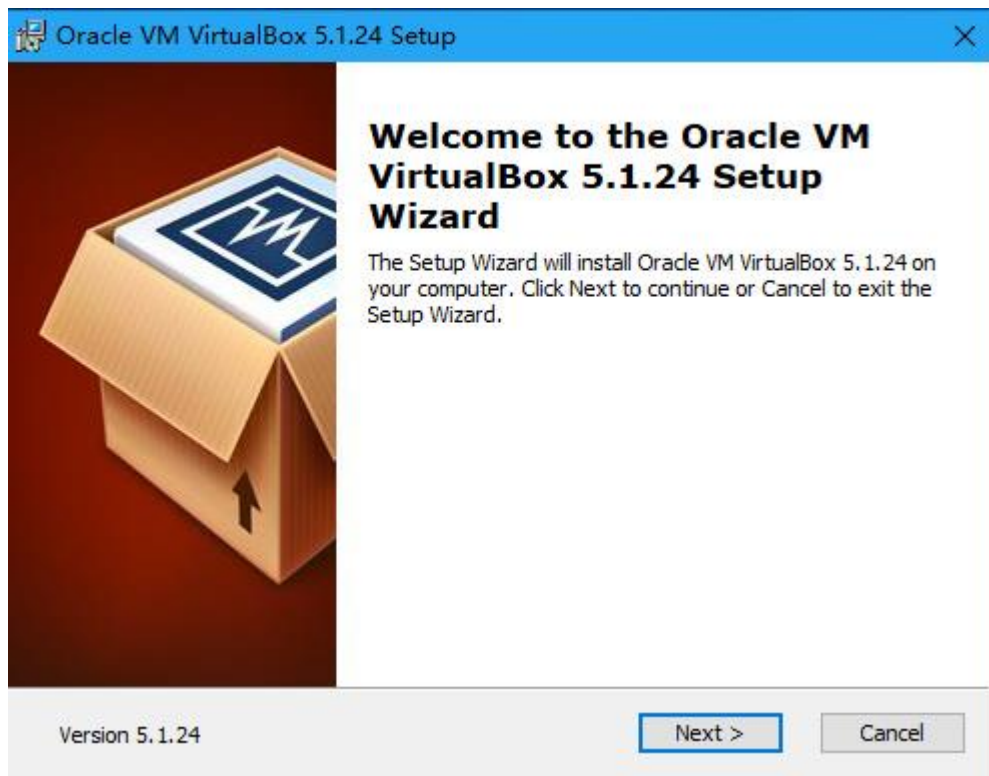

WinPcap component confirms that since it has been installed before, there is no need to install it again. Keep the default and click Install to install it.
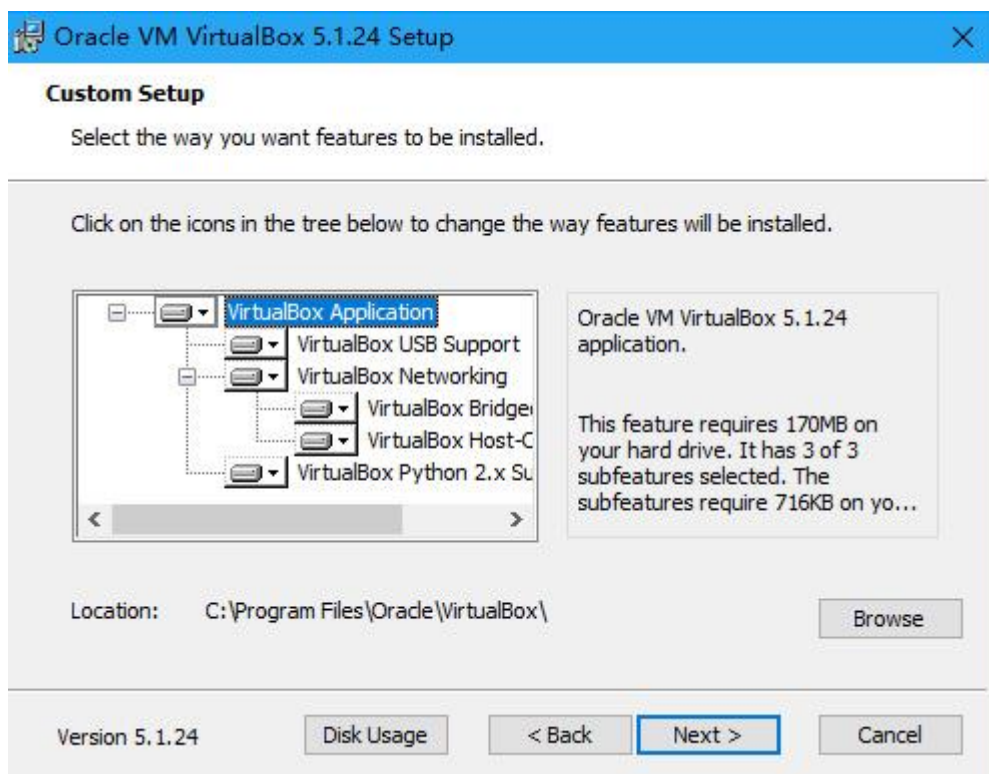
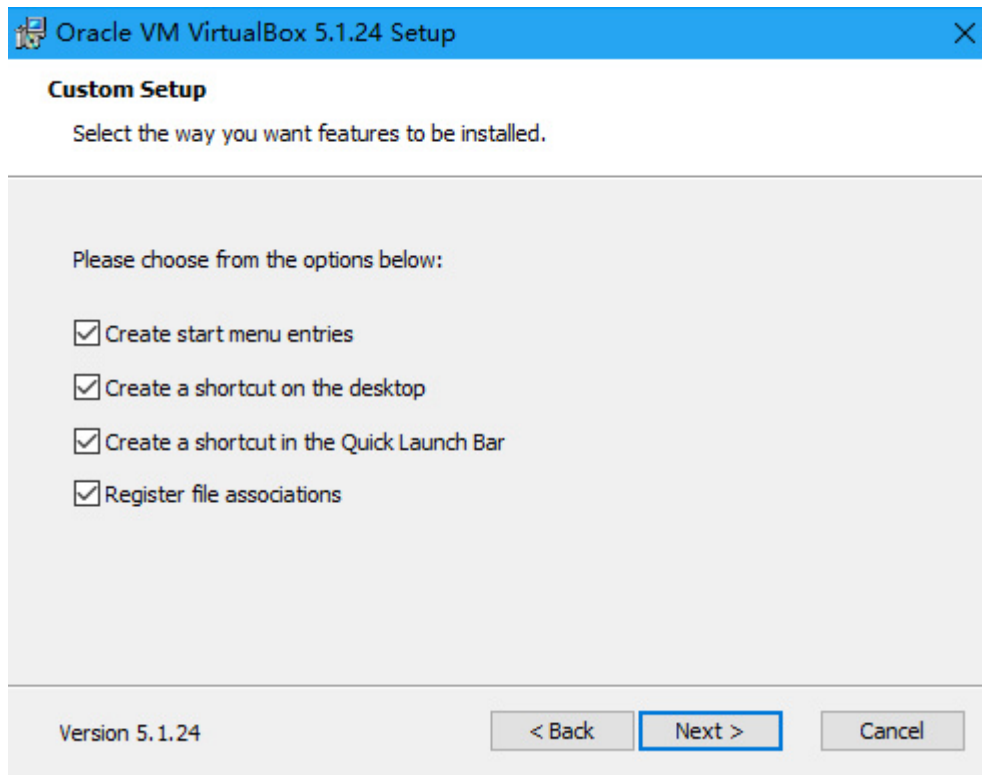After the progress bar is finished, click Next to proceed

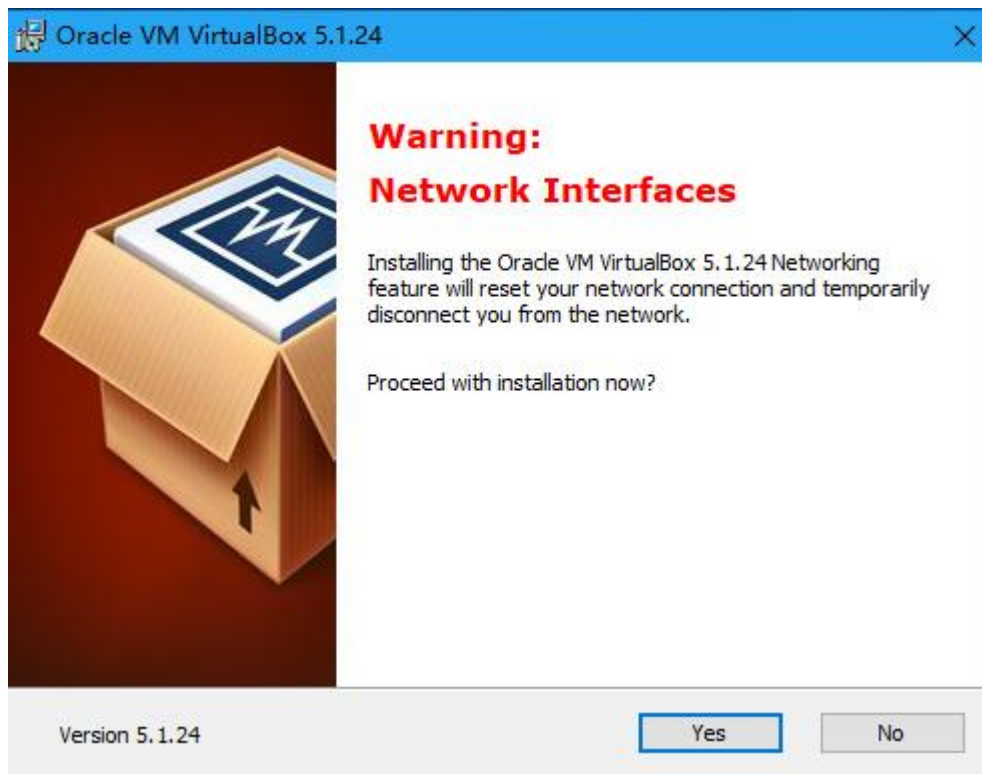Click "Finish" to complete the installation

Automatically pop up the add-on "VirtualBox" and click "Next" for the next
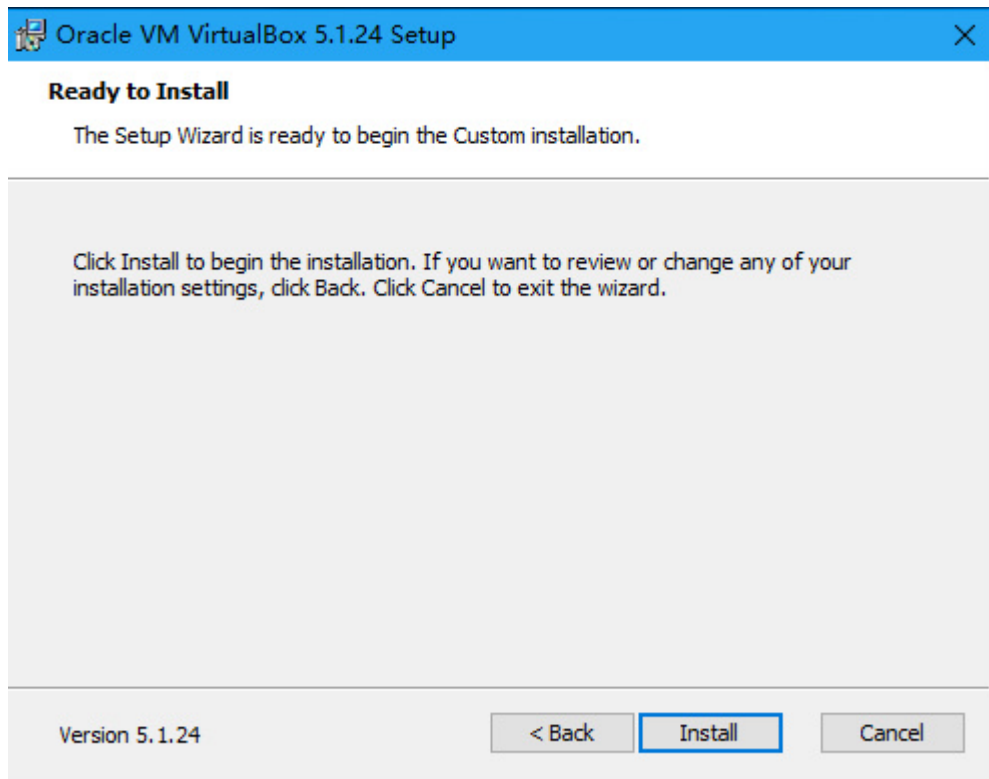
step

Select the components and installation paths that need to be installed. It is recommended to keep the default. Click Next.

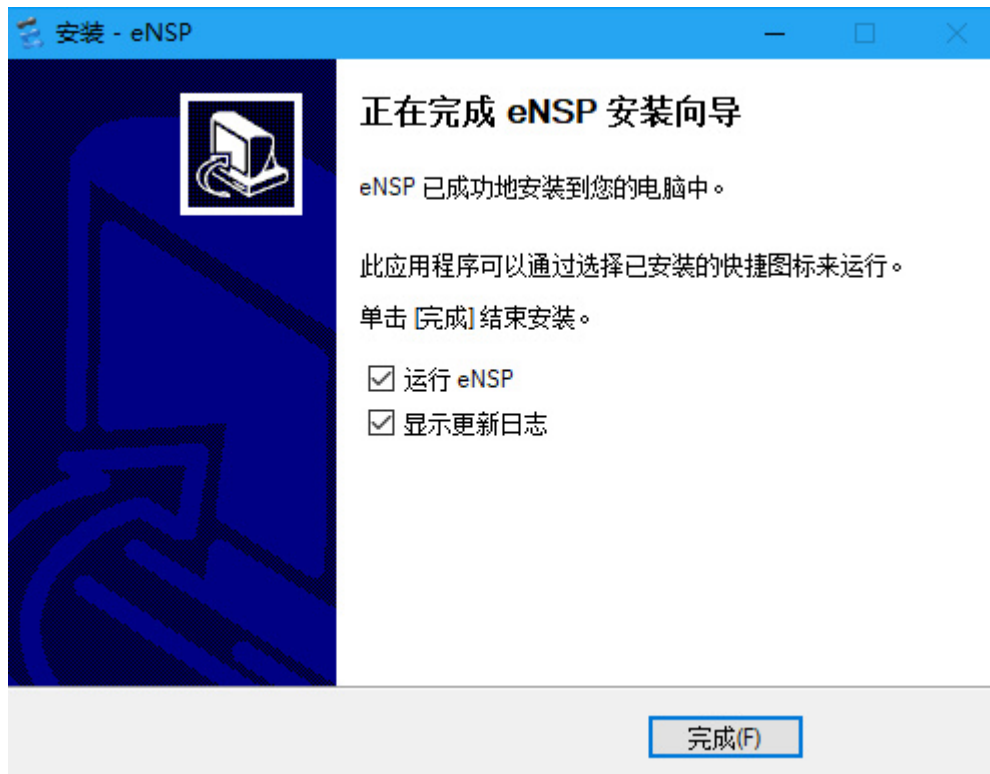Create shortcuts and associated file formats by default, click Next

Warning message, VirtualBox will install virtual network card, may temporarily interrupt network connection, click "Yes" to enter the next step

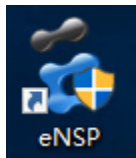Click Install to install and wait for the progress bar to finish

Cancel the check box and click "Finish" to complete the installation

After installing all the add-ons, you can complete the installation of eNSP.

Click Finish to cancel the two check boxes.

VirtualBox Shortcuts to eNSP can be found on the desktop, where the installation of eNSP is completed。

ENSP 1.2.00.510 supports version 5.2 of virtual box, which can be upgraded by itself.