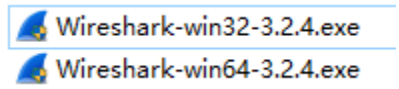
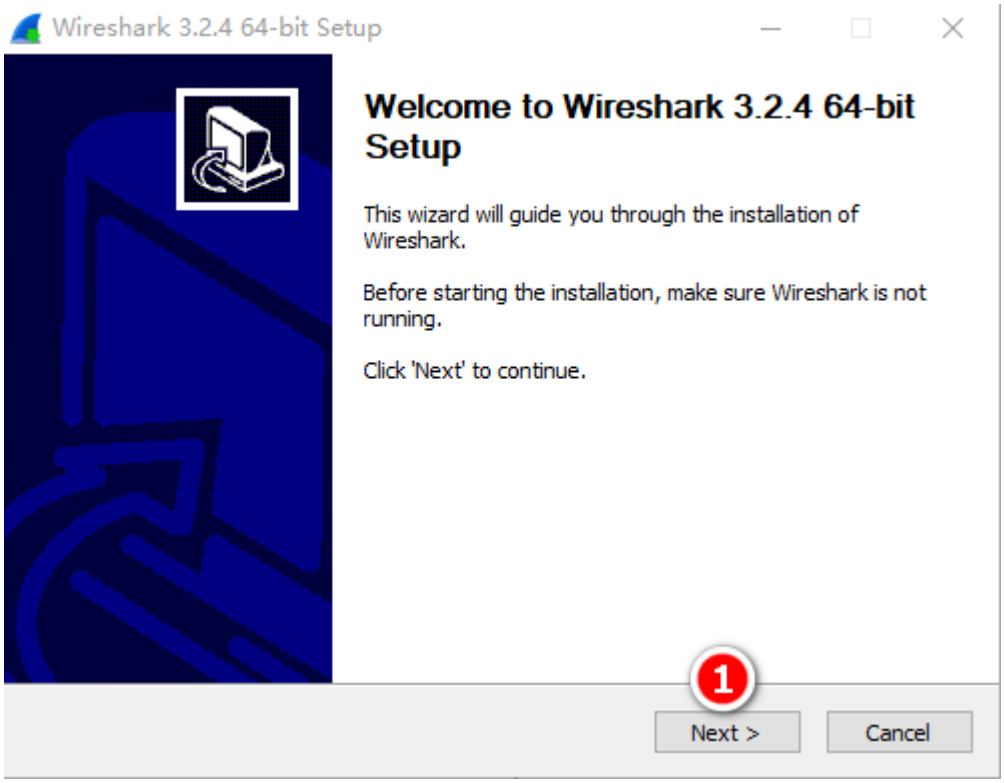
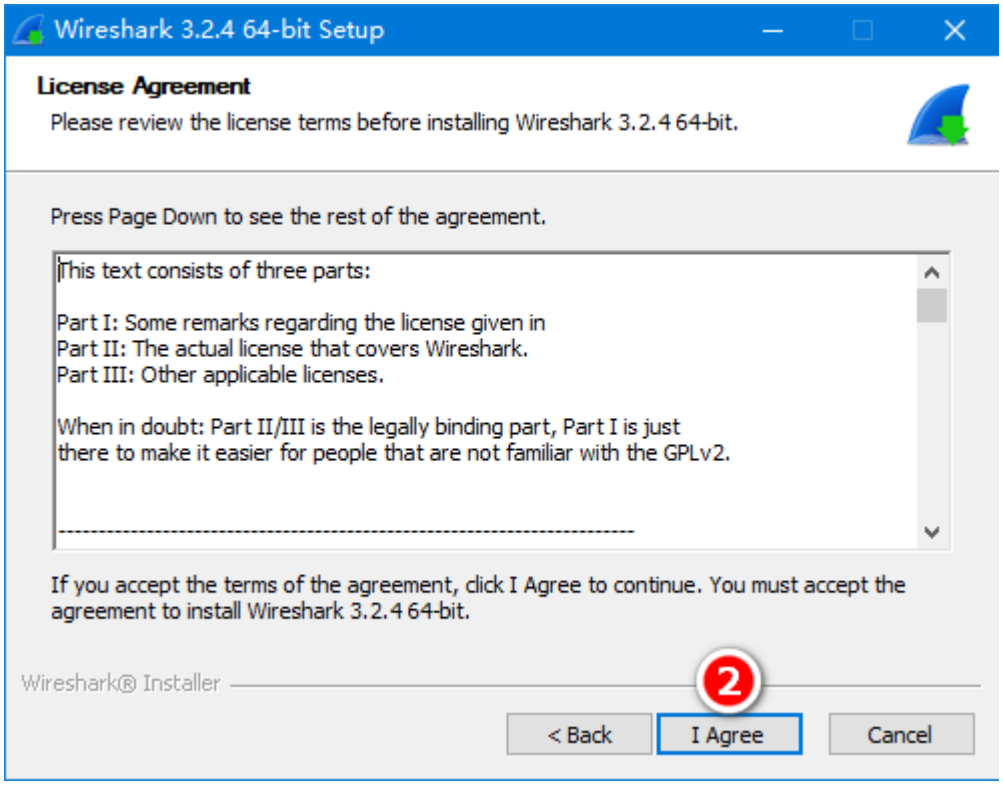
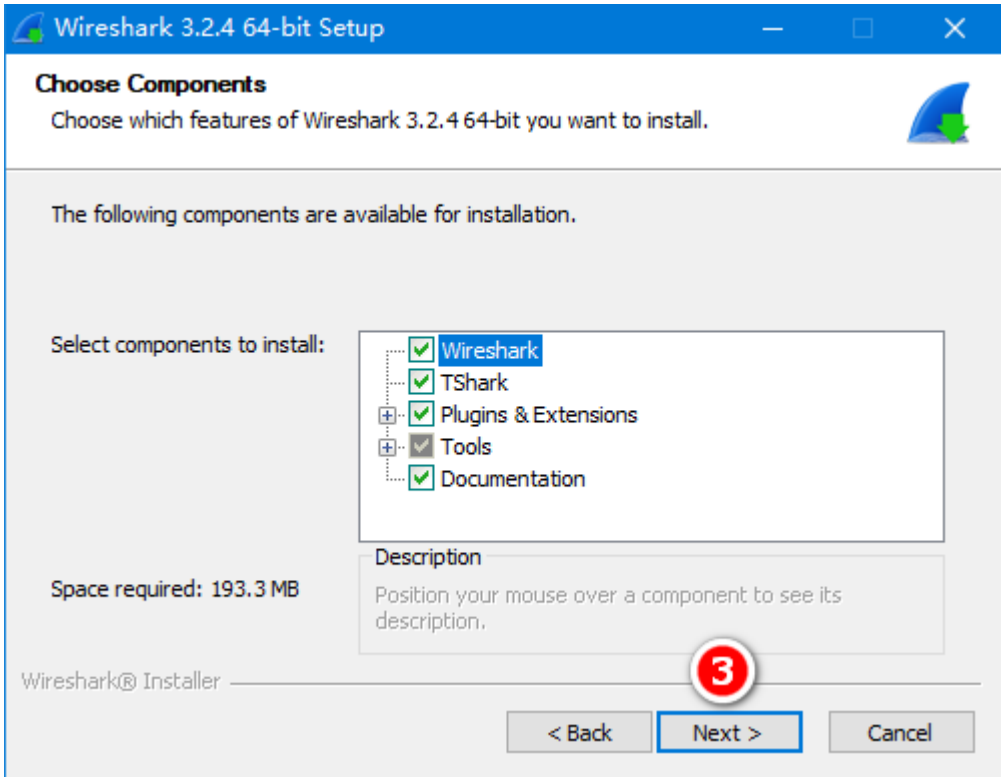
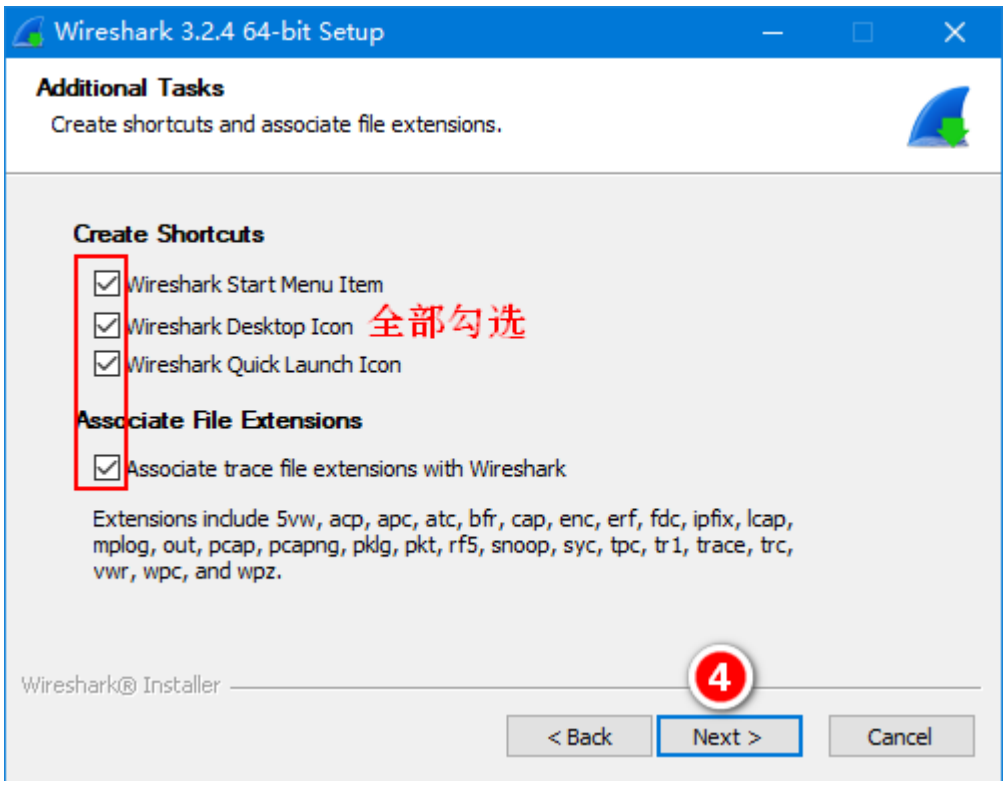
1、双击安装 Wireshark-win64-3.2.4.exe (64 位系统)或者 Wireshark-win32-3.2.4.exe (32 位系统)。

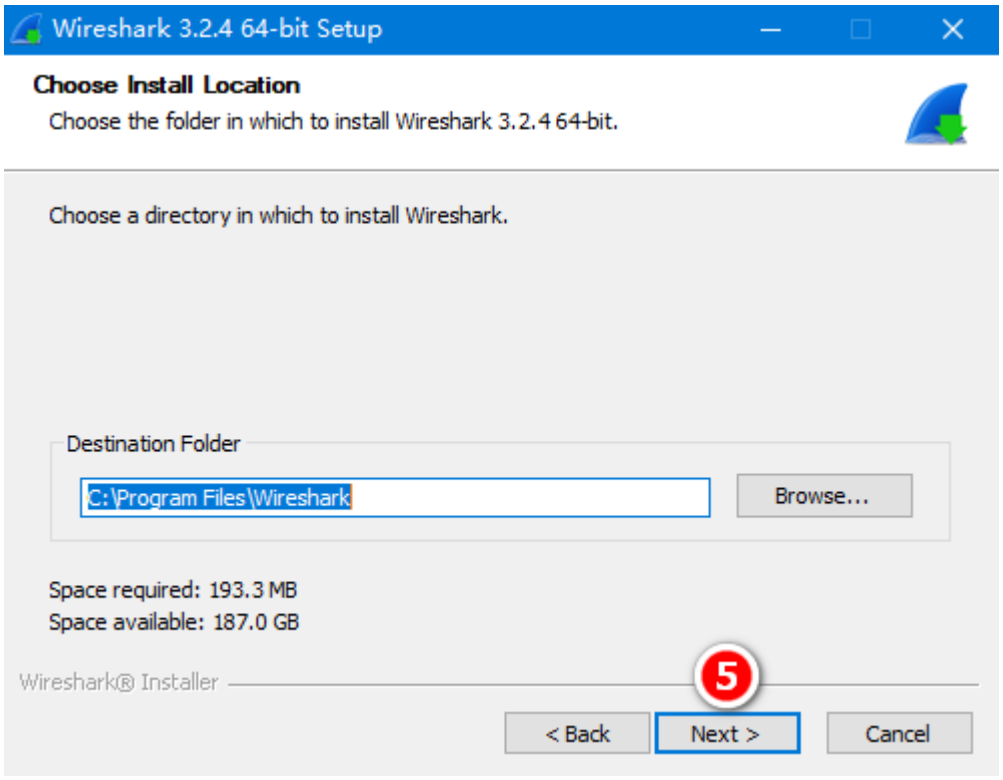


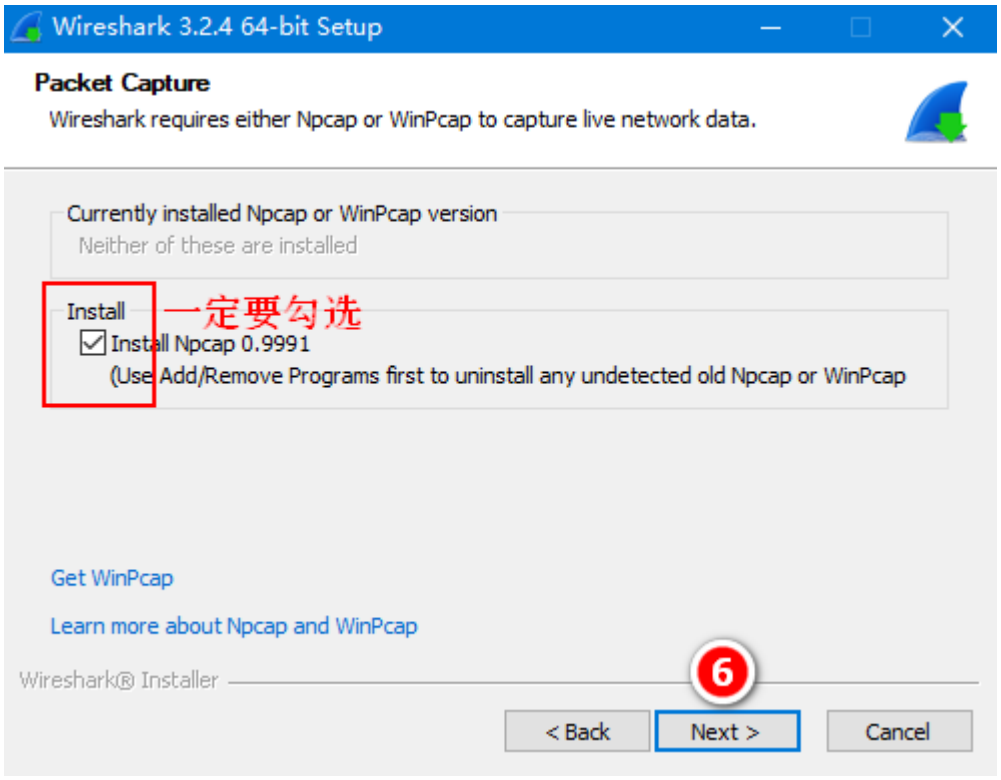


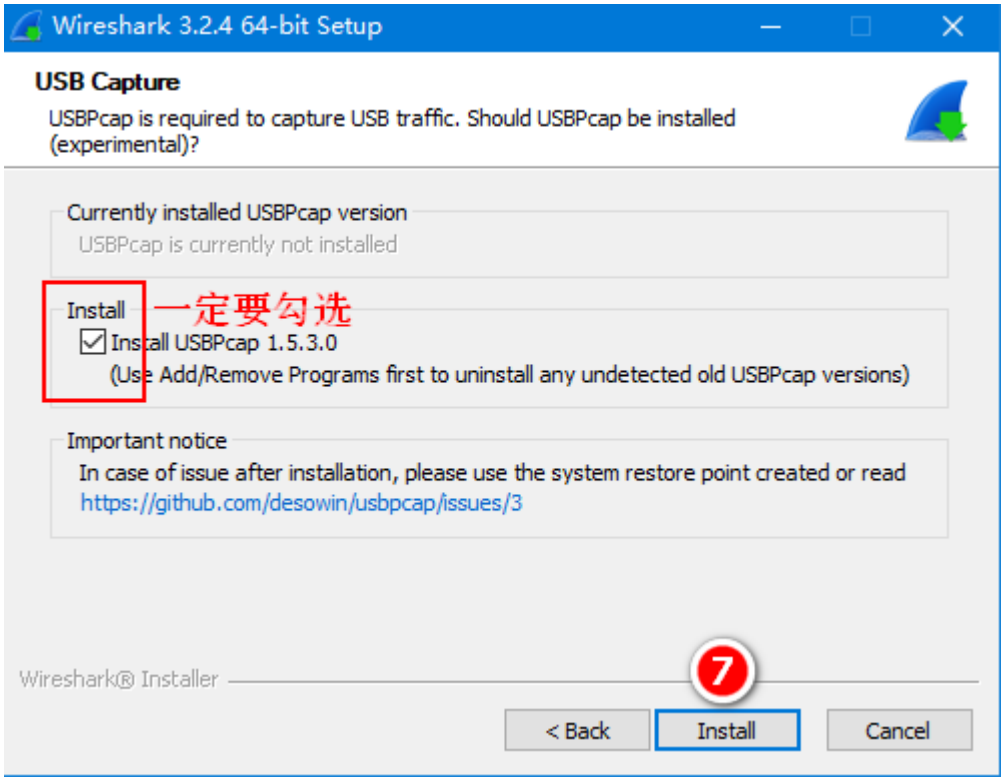


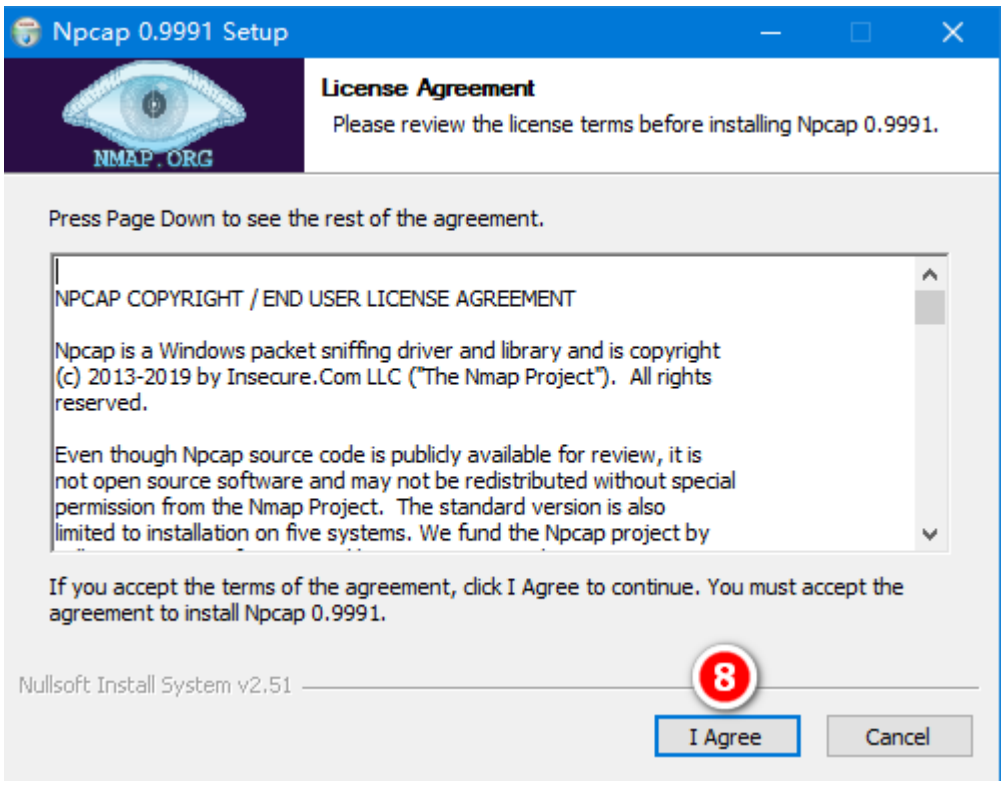

Wireshark 3.2.4 64-bit Setup
Choose Components
Choose which features of Wireshark 3.2.4 64-bit you want to install.
The following components are available for installation.
Select components to install:
Wireshark
TShark
Plugins & Extensions
Tools
Documentation
Description
Position your mouse over a component to see its description.
Space required: 193.3 MB
Wireshark® Installer
3
< Back
Next >
Cancel

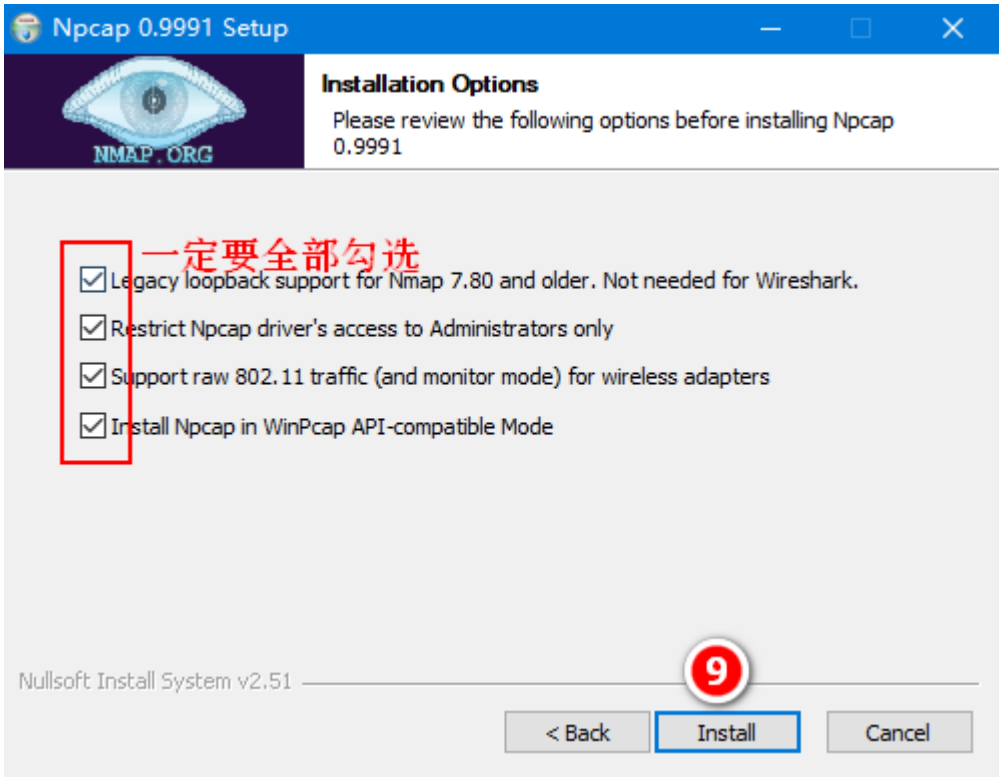

Wireshark 3.2.4 64-bit Setup
Additional Tasks
Create shortcuts and associate file extensions.
Create Shortcuts
Wireshark Start Menu Item
Wireshark Desktop Icon
全部勾选
Wireshark Quick Launch Icon
Associate File Extensions
Associate trace file extensions with Wireshark
Extensions include 5vw, acp, apc, atc, bfr, cap, enc, erf, fdc, ipfix, lcap, mplog, out, pcap, pcapng, pklg, pkt, rf5, snoop, syc, tpc, tr1, trace, trc, vwr, wpc, and wpz.
Wireshark® Installer
4
< Back
Next >
Cancel

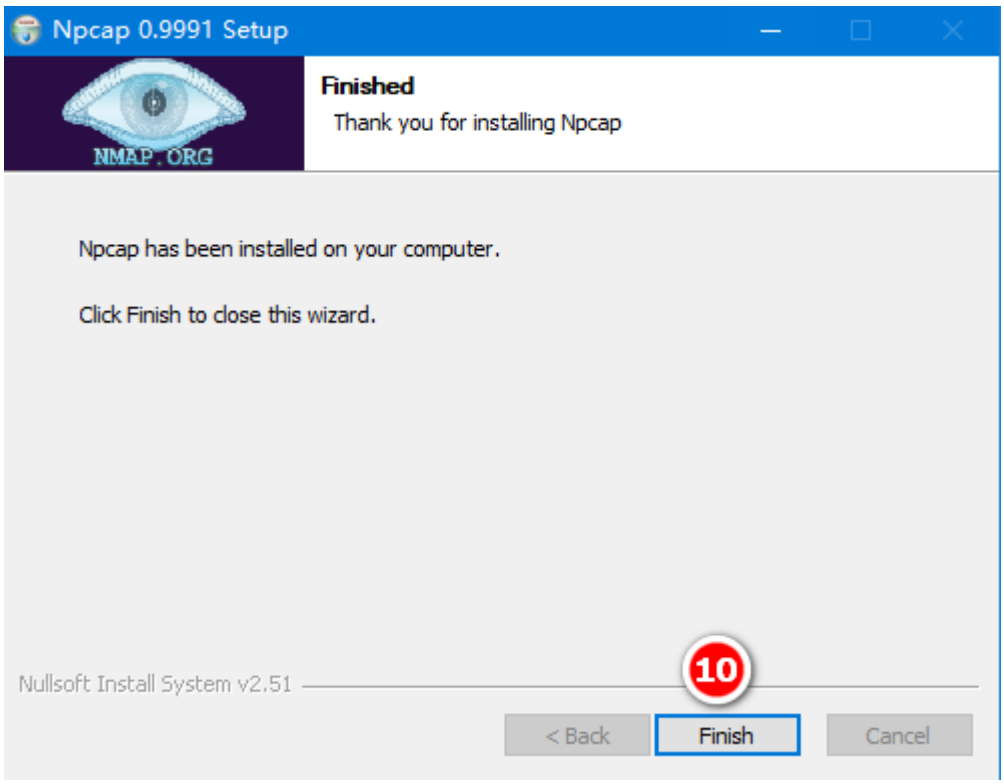

Wireshark 3.2.4 64-bit Setup
Choose Install Location
Choose the folder in which to install Wireshark 3.2.4 64-bit.
Choose a directory in which to install Wireshark.
Destination Folder
C:\Program Files\Wireshark
Browse...
Space required: 193.3 MB
Space available: 187.0 GB
Wireshark® Installer
5
< Back
Next >
Cancel

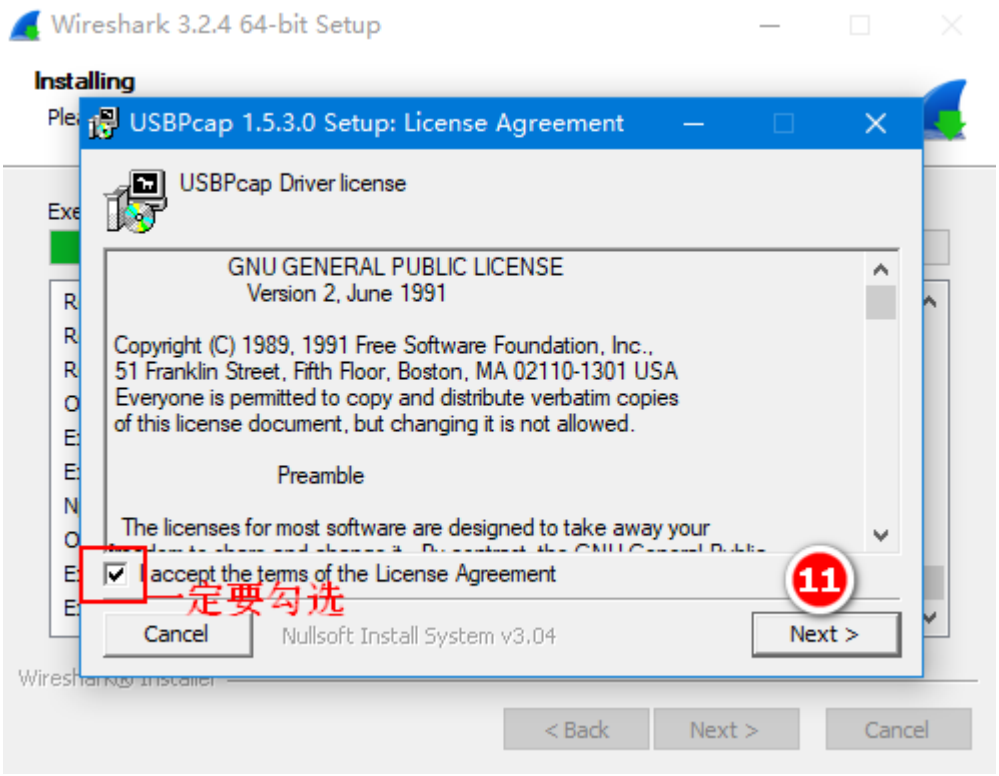

Wireshark 3.2.4 64-bit Setup
Packet Capture
Wireshark requires either Npcap or WinPcap to capture live network data.
Currently installed Npcap or WinPcap version
Neither of these are installed
Install
一定要勾选
Install Npcap 0.9991
(Use Add/Remove Programs first to uninstall any undetected old Npcap or WinPcap
Get WinPcap
Learn more about Npcap and WinPcap
Wireshark® Installer
6
< Back
Next >
Cancel

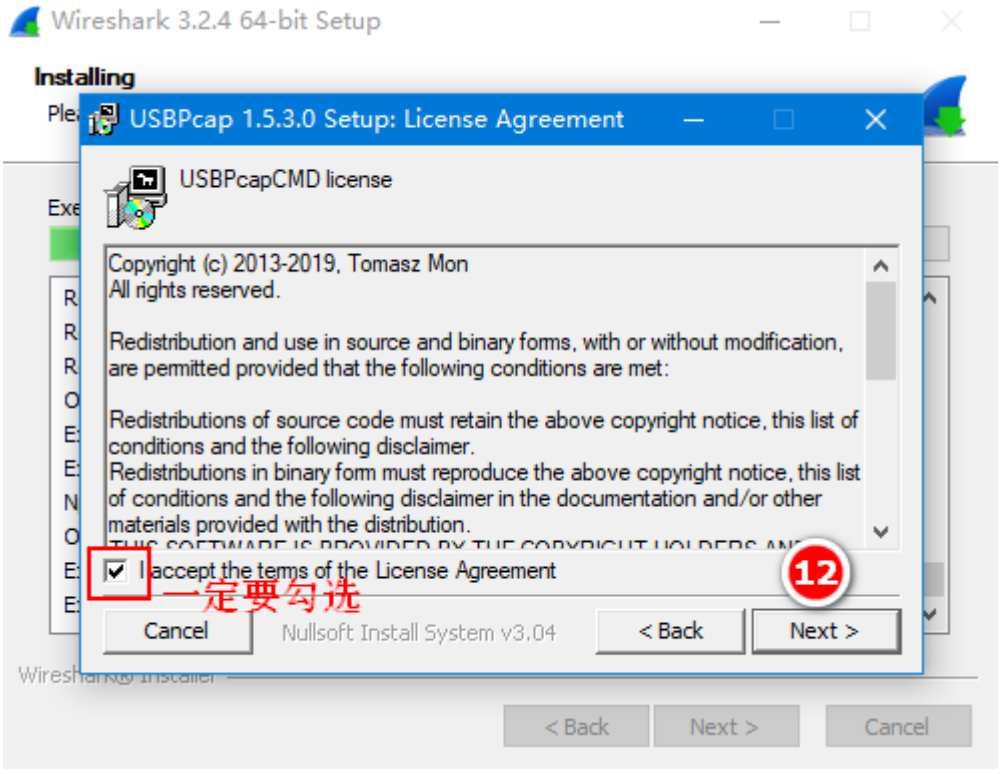

Wireshark 3.2.4 64-bit Setup
USB Capture
USBPcap is required to capture USB traffic. Should USBPcap be installed (experimental)?
Currently installed USBPcap version
USBPcap is currently not installed
Install
一定要勾选
Install USBPcap 1.5.3.0
(Use Add/Remove Programs first to uninstall any undetected old USBPcap versions)
Important notice
In case of issue after installation, please use the system restore point created or read
https://github.com/desowin/usbpcap/issues/3
Wireshark® Installer
7
< Back
Install
Cancel

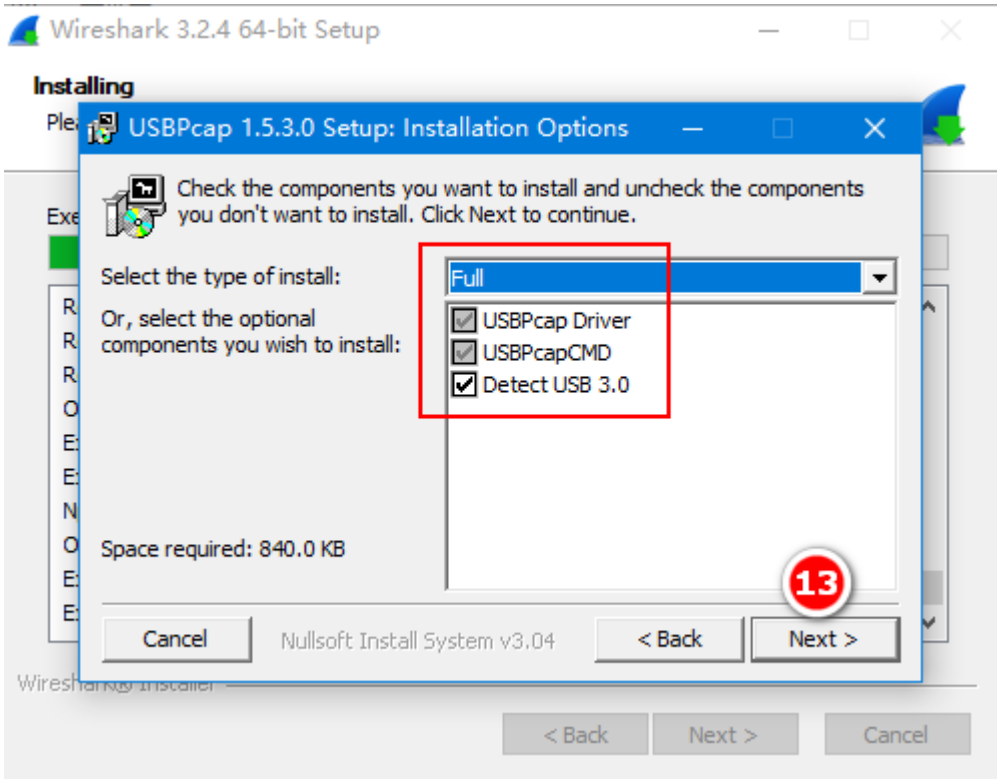

Npcap 0.9991 Setup
NMAP.ORG
License Agreement
Please review the license terms before installing Npcap 0.9991.
Press Page Down to see the rest of the agreement.
NPCAP COPYRIGHT / END USER LICENSE AGREEMENT
Npcap is a Windows packet sniffing driver and library and is copyright (c) 2013-2019 by Insecure.Com 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 without special permission from the Nmap Project. The standard version is also limited to installation on five systems. We fund the Npcap project by
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install Npcap 0.9991.
Nullsoft Install System v2.51
8
I Agree
Cancel

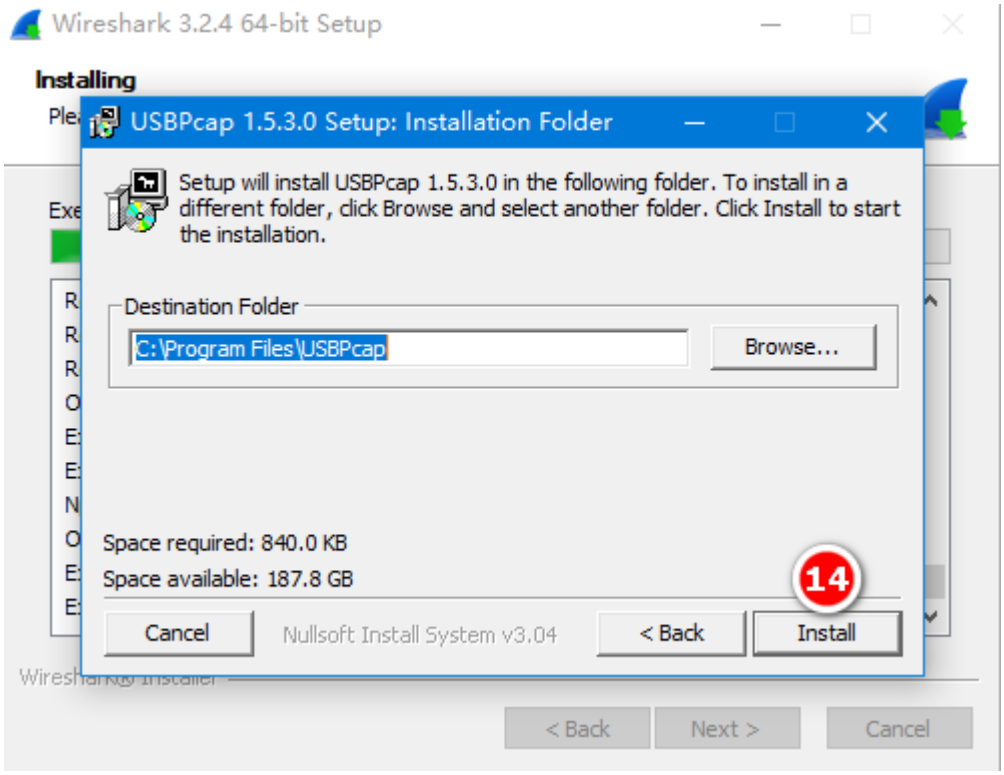

Npcap 0.9991 Setup
NMAP.ORG
Installation Options
Please review the following options before installing Npcap 0.9991
一定要全部勾选
Legacy loopback support for Nmap 7.80 and older. Not needed for Wireshark.
Restrict Npcap driver's access to Administrators only
Support raw 802.11 traffic (and monitor mode) for wireless adapters
Install Npcap in WinPcap API-compatible Mode
Nullsoft Install System v2.51
9
< Back
Install
Cancel

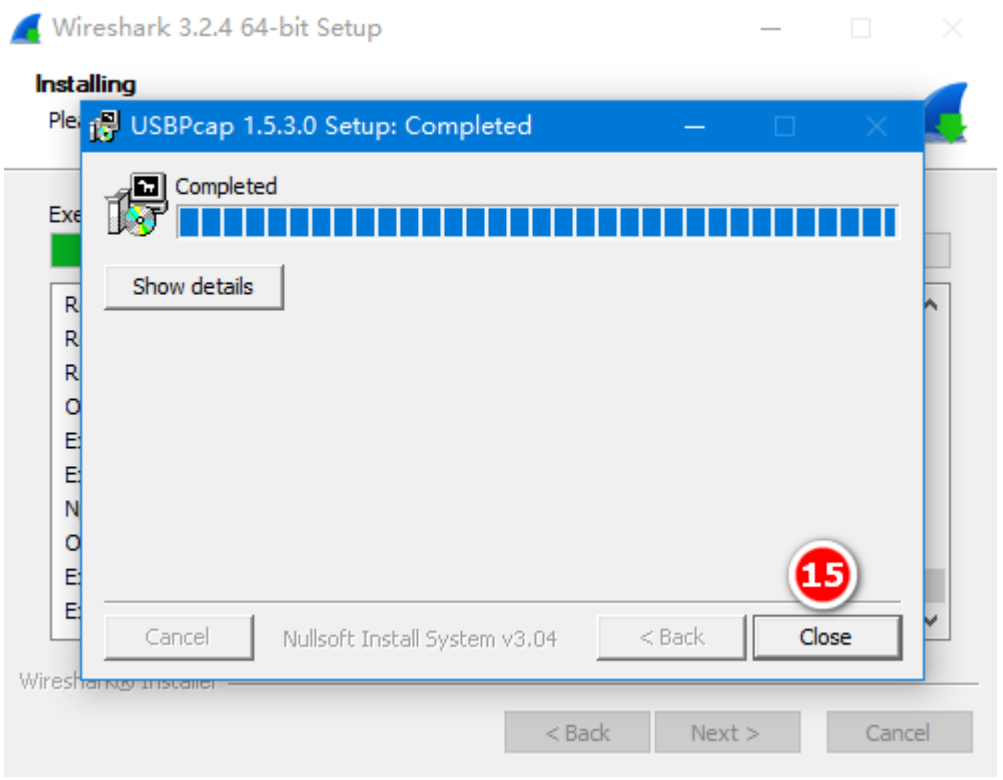

Npcap 0.9991 Setup
NMAP.ORG
Finished
Thank you for installing Npcap
Npcap has been installed on your computer.
Click Finish to close this wizard.
Nullsoft Install System v2.51
10
< Back
Finish
Cancel

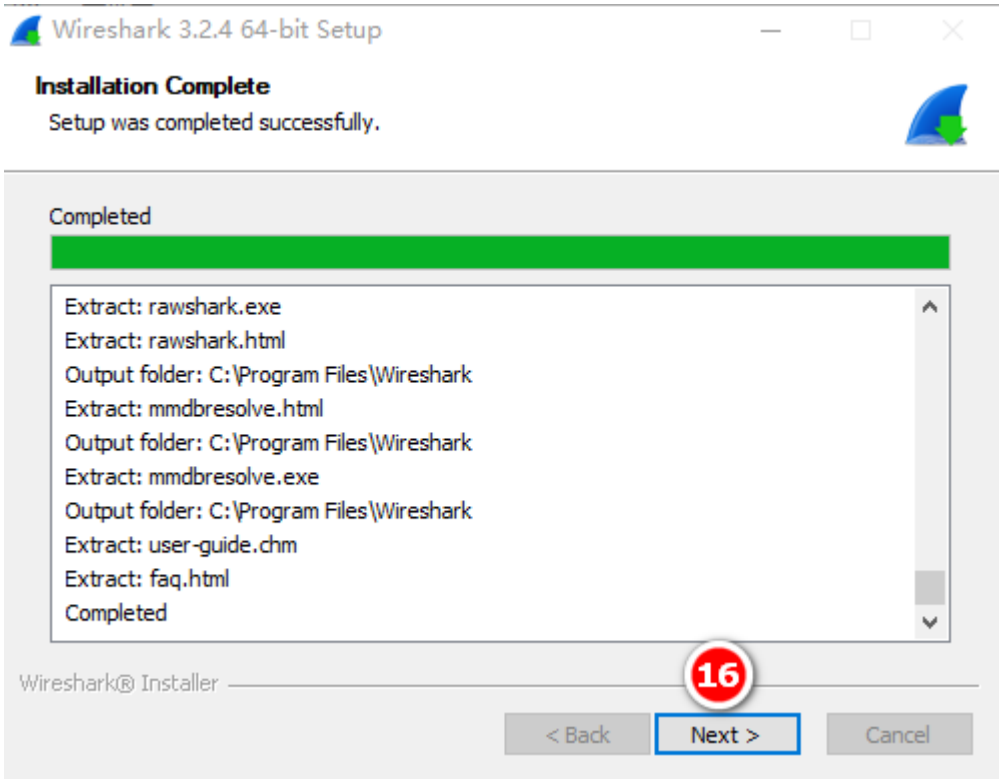

Wireshark 3.2.4 64-bit Setup
Installing
USBPcap 1.5.3.0 Setup: License Agreement
USBPcap Driver license
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991
Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
Preamble
The licenses for most software are designed to take away your
I accept the terms of the License Agreement
一定要勾选
11
Cancel
Nullsoft Install System v3.04
Next >
< Back
Next >
Cancel

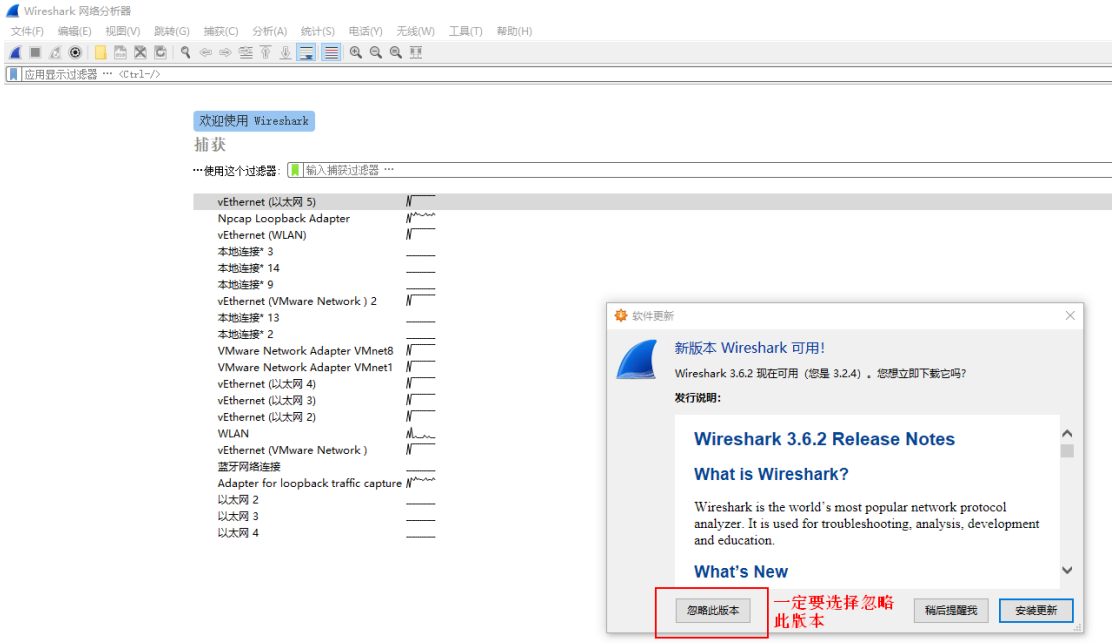

Wireshark 3.2.4 64-bit Setup
Installing
USBPcap 1.5.3.0 Setup: License Agreement
USBPcapCMD license
Copyright (c) 2013-2019, Tomasz Mon
All rights reserved.
Redistribution and use in source and binary forms, with or without modification,
are permitted provided that the following conditions are met:
Redistributions of source code must retain the above copyright notice, this list of
conditions and the following disclaimer.
Redistributions in binary form must reproduce the above copyright notice, this list
of conditions and the following disclaimer in the documentation and/or other
materials provided with the distribution.
I accept the terms of the License Agreement
一定要勾选
12
Cancel
Nullsoft Install System v3.04
< Back
Next >
< Back
Next >
Cancel


Wireshark 3.2.4 64-bit Setup
Installing
USBPcap 1.5.3.0 Setup: Installation Options
Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.
Select the type of install:
Full
Or, select the optional components you wish to install:
USBPcap Driver
USBPcapCMD
Detect USB 3.0
Space required: 840.0 KB
13
Cancel
Nullsoft Install System v3.04
< Back
Next >
< Back
Next >
Cancel

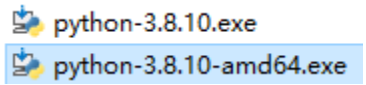

Wireshark 3.2.4 64-bit Setup
Installing
USBPcap 1.5.3.0 Setup: Installation Folder
Setup will install USBPcap 1.5.3.0 in the following folder. To install in a different folder, click Browse and select another folder. Click Install to start the installation.
Destination Folder
C:\Program Files\USBPcap
Browse...
Space required: 840.0 KB
Space available: 187.8 GB
14
Cancel
Nullsoft Install System v3.04
< Back
Install
< Back
Next >
Cancel


Wireshark 3.2.4 64-bit Setup
Installing
USBPcap 1.5.3.0 Setup: Completed
Completed
Show details
15
Cancel
Nullsoft Install System v3.04
< Back
Close
< Back
Next >
Cancel

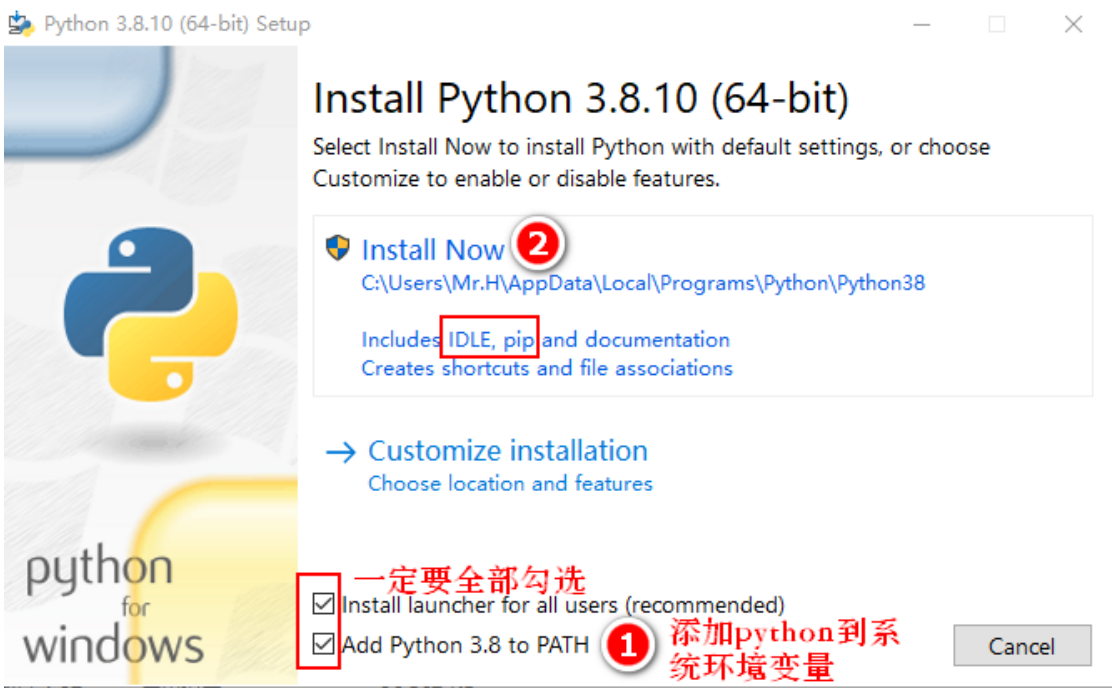

Wireshark 3.2.4 64-bit Setup
Installation Complete
Setup was completed successfully.
Completed
Extract: rawshark.exe
Extract: rawshark.html
Output folder: C:\Program Files\Wireshark
Extract: mmdbresolve.html
Output folder: C:\Program Files\Wireshark
Extract: mmdbresolve.exe
Output folder: C:\Program Files\Wireshark
Extract: user-guide.chm
Extract: faq.html
Completed
16
Wireshark® Installer
< Back
Next >
Cancel



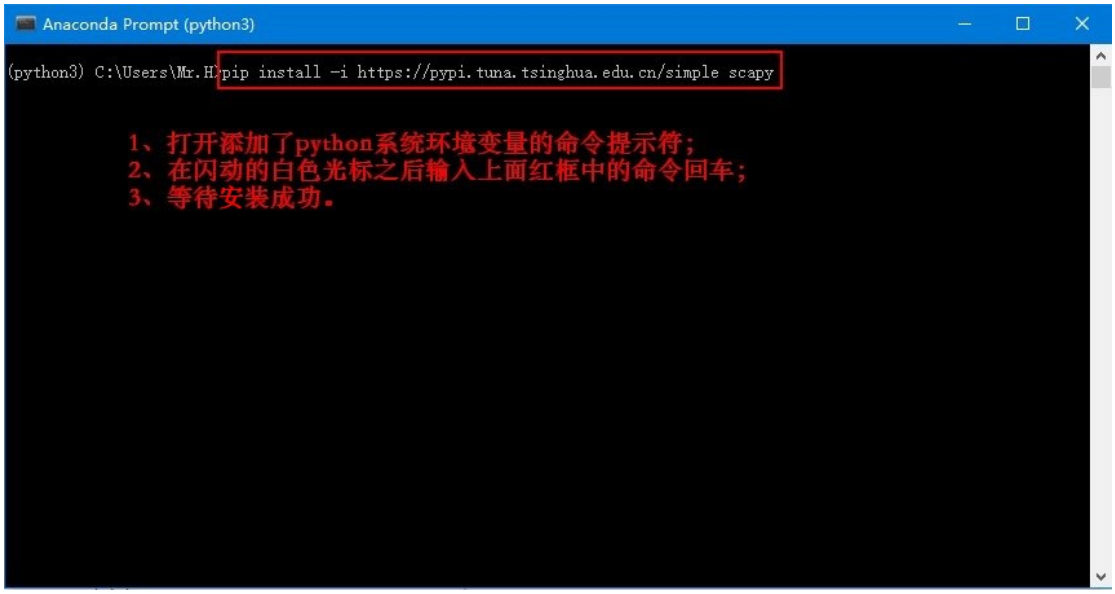
2、双击安装 python-3.8.10-amd64.exe (64 位系统)或者 python-3.8.10.exe (32 位系统)。

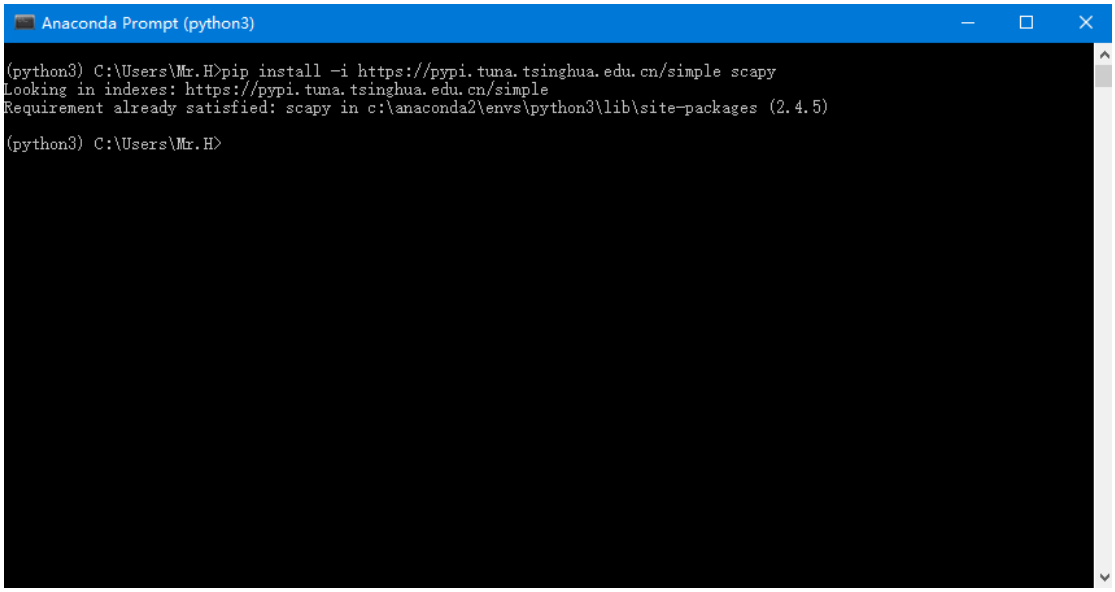


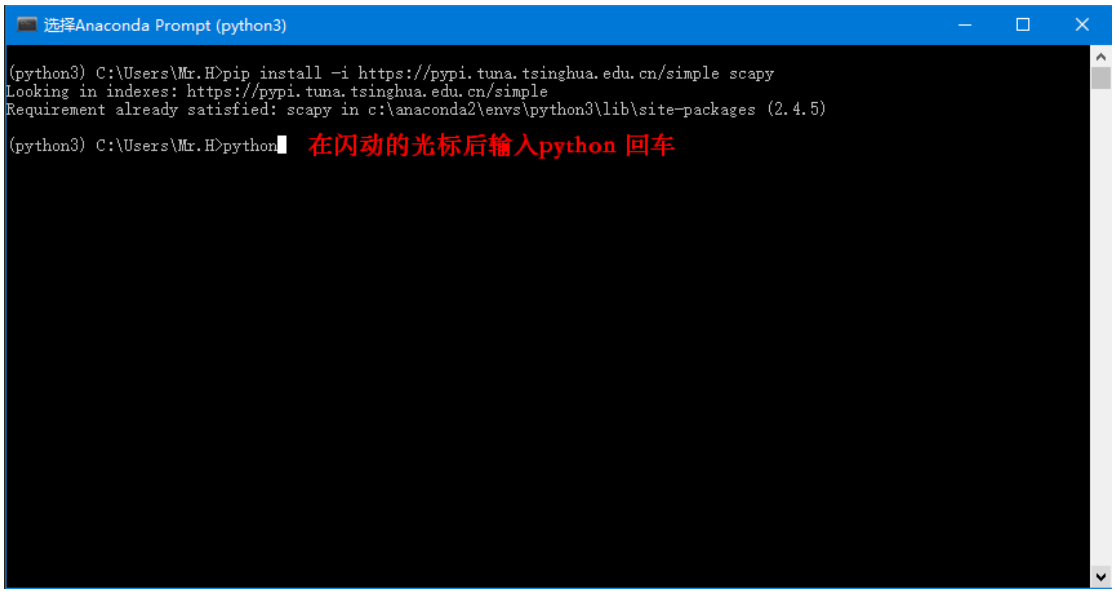
安装时一定要勾选添加系统环境变量



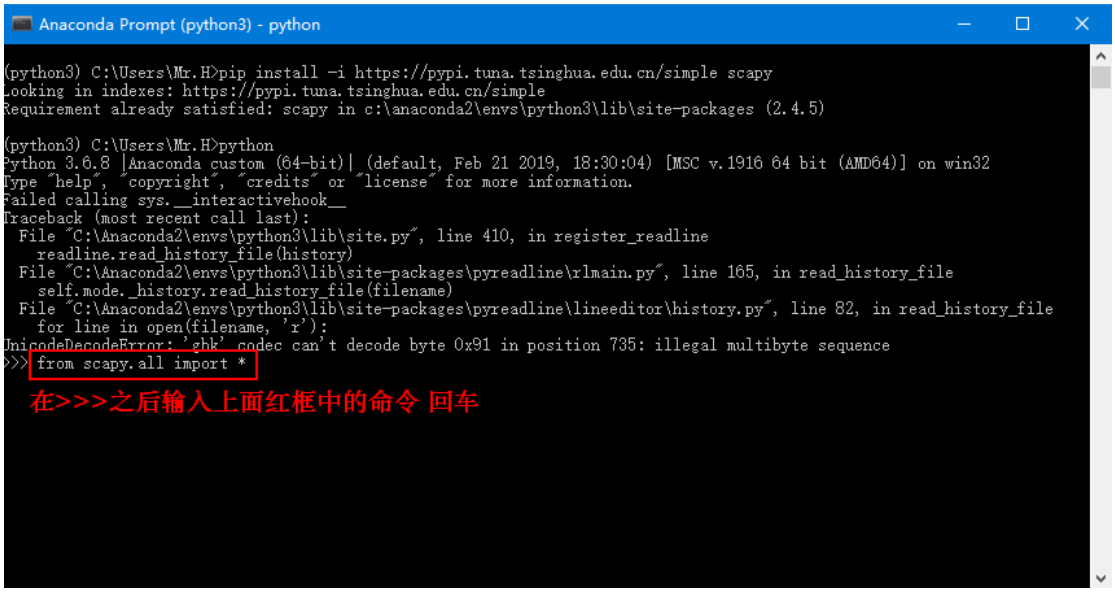
3、pip install -i https://pypi.tuna.tsinghua.edu.cn/simple scapy

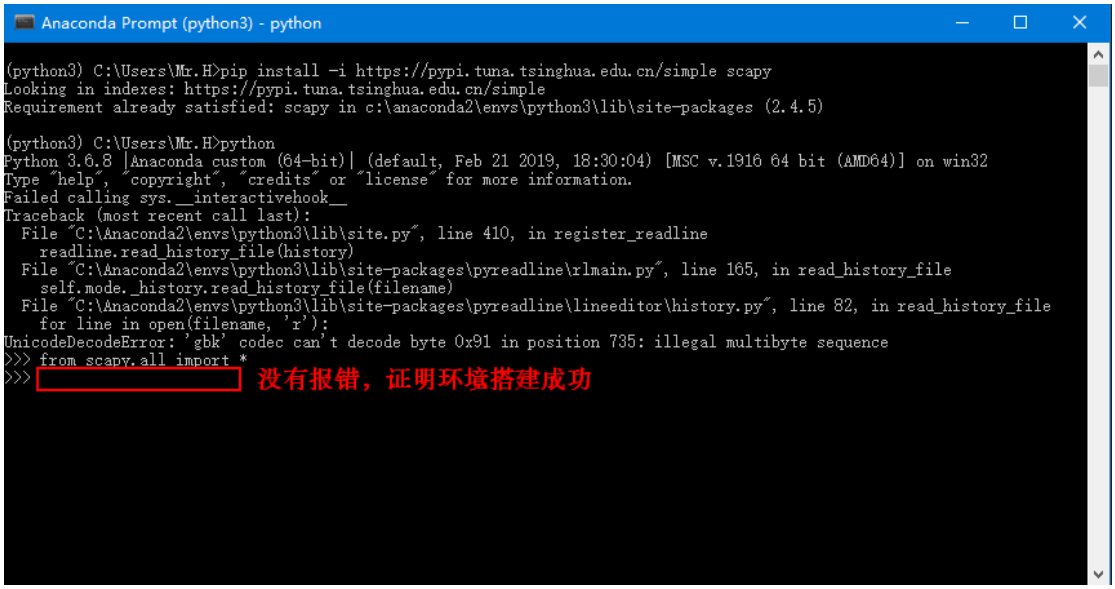


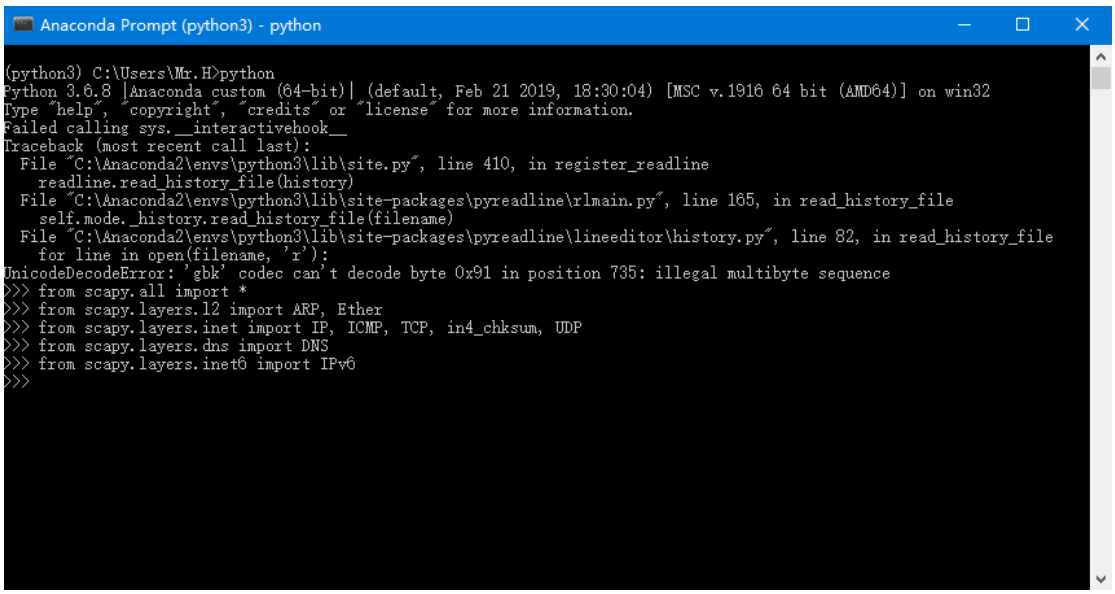




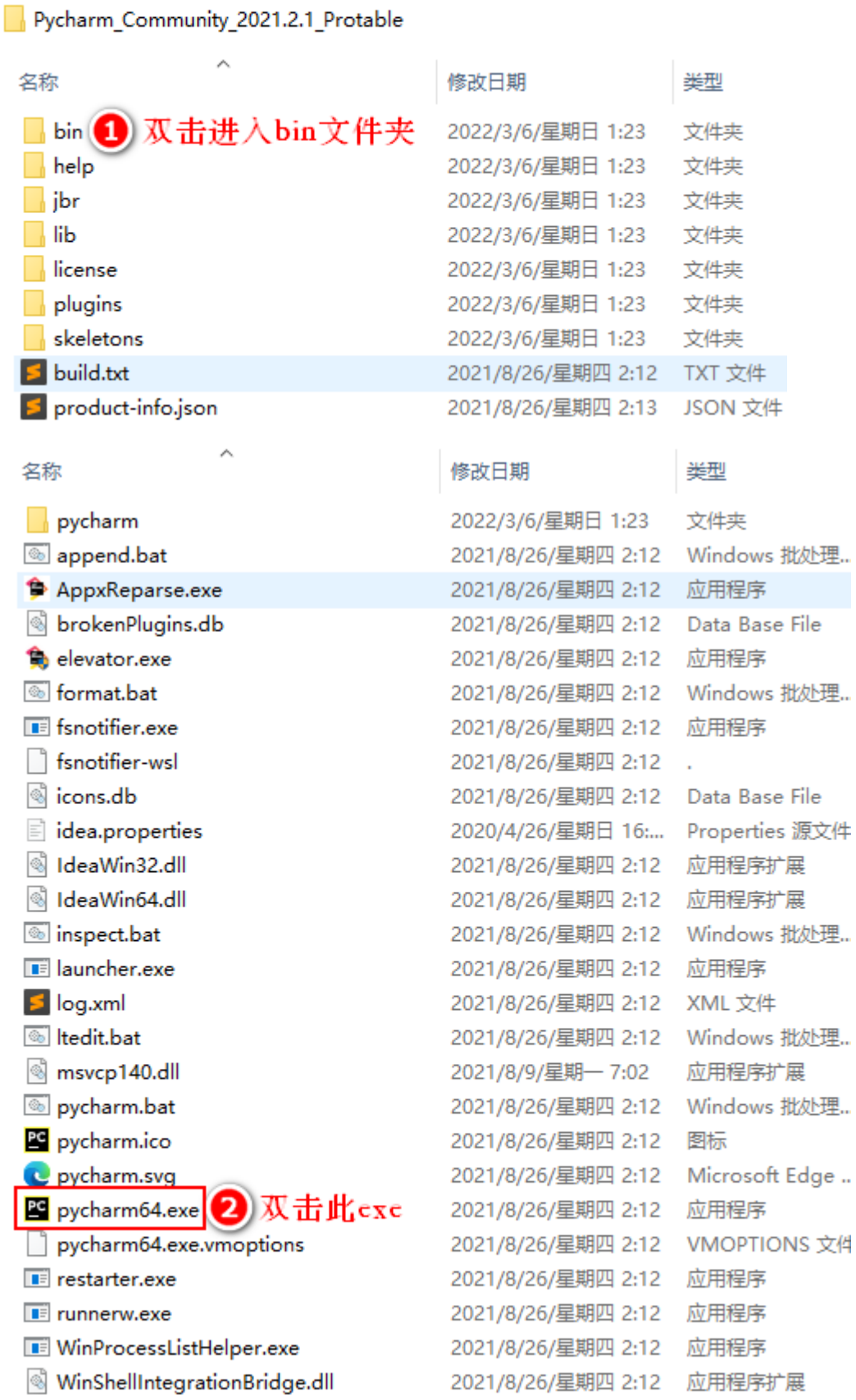

```
from scapy.all import *
from scapy.layers.l2 import ARP, Ether
from scapy.layers.dns import DNS
from scapy.layers.inet import IP, ICMP, TCP, in4_chksum, UDP
from scapy.layers.inet6 import IPv6
```

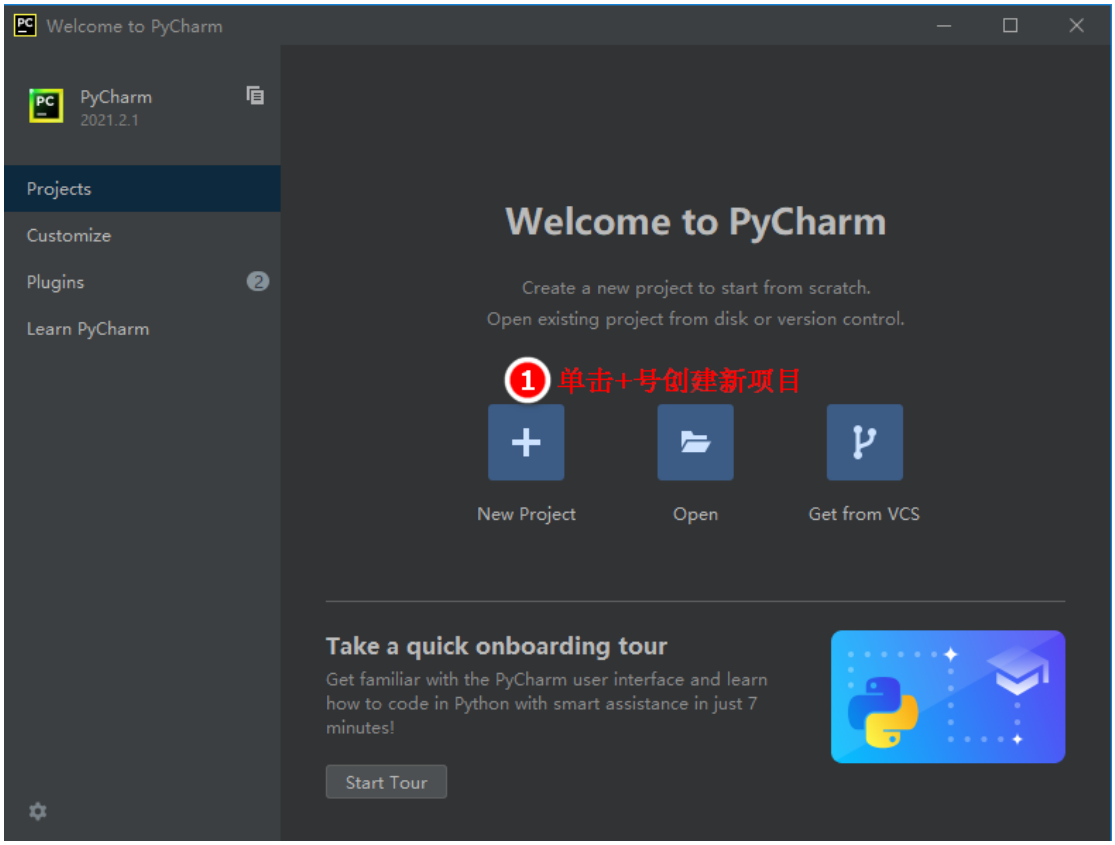

Anaconda Prompt (python3) - python
(python3) C:\Users\Mr.H>pip install -i https://pypi.tuna.tsinghua.edu.cn/simple scapy
Looking in indexes: https://pypi.tuna.tsinghua.edu.cn/simple
Requirement already satisfied: scapy in c:\anaconda2\envs\python3\lib\site-packages (2.4.5)
(python3) C:\Users\Mr.H>python
Python 3.6.8 |Anaconda custom (64-bit)| (default, Feb 21 2019, 18:30:04) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
Failed calling sys.__interactivehook__
Traceback (most recent call last):
File "C:\Anaconda2\envs\python3\lib\site.py", line 410, in register_readline
readline.read_history_file(history)
File "C:\Anaconda2\envs\python3\lib\site-packages\pyreadline\rlmain.py", line 165, in read_history_file
self.mode._history.read_history_file(filename)
File "C:\Anaconda2\envs\python3\lib\site-packages\pyreadline\lineeditor\history.py", line 82, in read_history_file
for line in open(filename, 'r'):
UnicodeDecodeError: 'gbk' codec can't decode byte 0x91 in position 735: illegal multibyte sequence
>>> from scapy.all import *
在>>>之后输入上面红框中的命令 回车

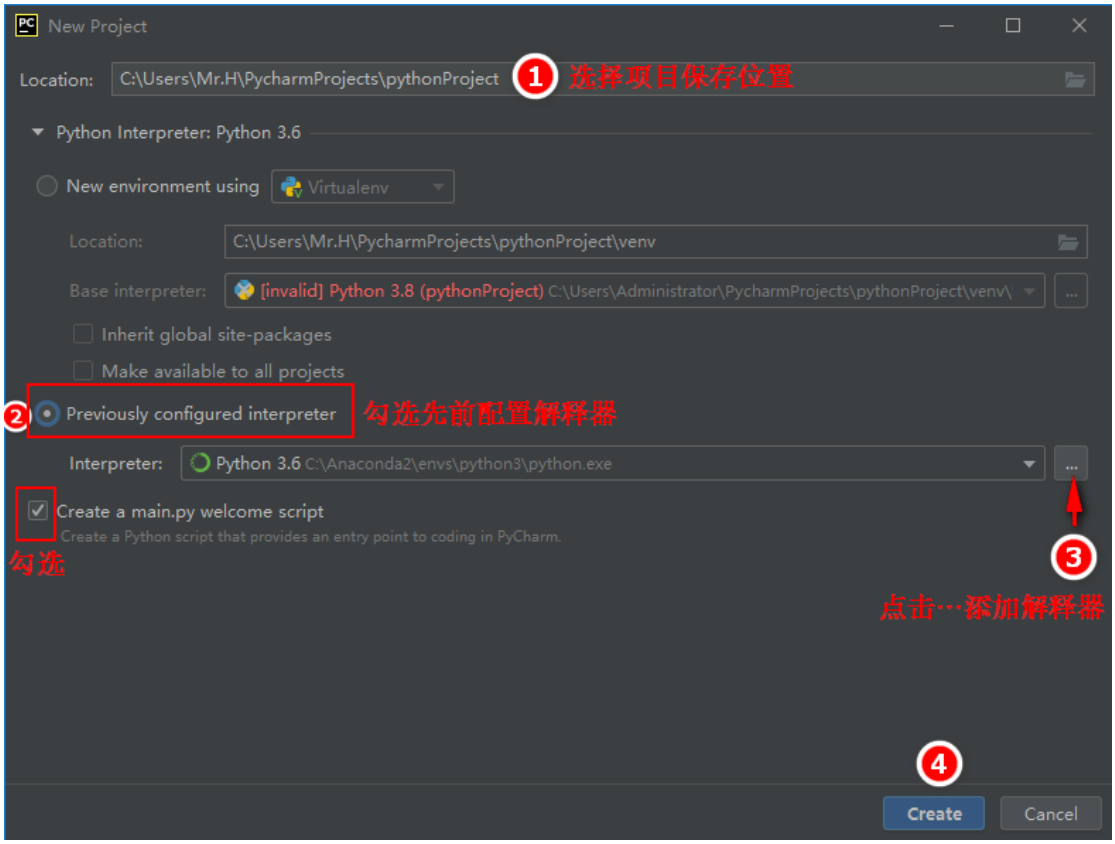

Anaconda Prompt (python3) - python
(python3) C:\Users\Mr.H>pip install -i https://pypi.tuna.tsinghua.edu.cn/simple scapy
Looking in indexes: https://pypi.tuna.tsinghua.edu.cn/simple
Requirement already satisfied: scapy in c:\anaconda2\envs\python3\lib\site-packages (2.4.5)
(python3) C:\Users\Mr.H>python
Python 3.6.8 |Anaconda custom (64-bit)| (default, Feb 21 2019, 18:30:04) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
Failed calling sys.__interactivehook__
Traceback (most recent call last):
File "C:\Anaconda2\envs\python3\lib\site.py", line 410, in register_readline
readline.read_history_file(history)
File "C:\Anaconda2\envs\python3\lib\site-packages\pyreadline\rlmain.py", line 165, in read_history_file
self.mode._history.read_history_file(filename)
File "C:\Anaconda2\envs\python3\lib\site-packages\pyreadline\lineeditor\history.py", line 82, in read_history_file
for line in open(filename, 'r'):
UnicodeDecodeError: 'gbk' codec can't decode byte 0x91 in position 735: illegal multibyte sequence
>>> from scapy.all import *
>>>
没有报错，证明环境搭建成功

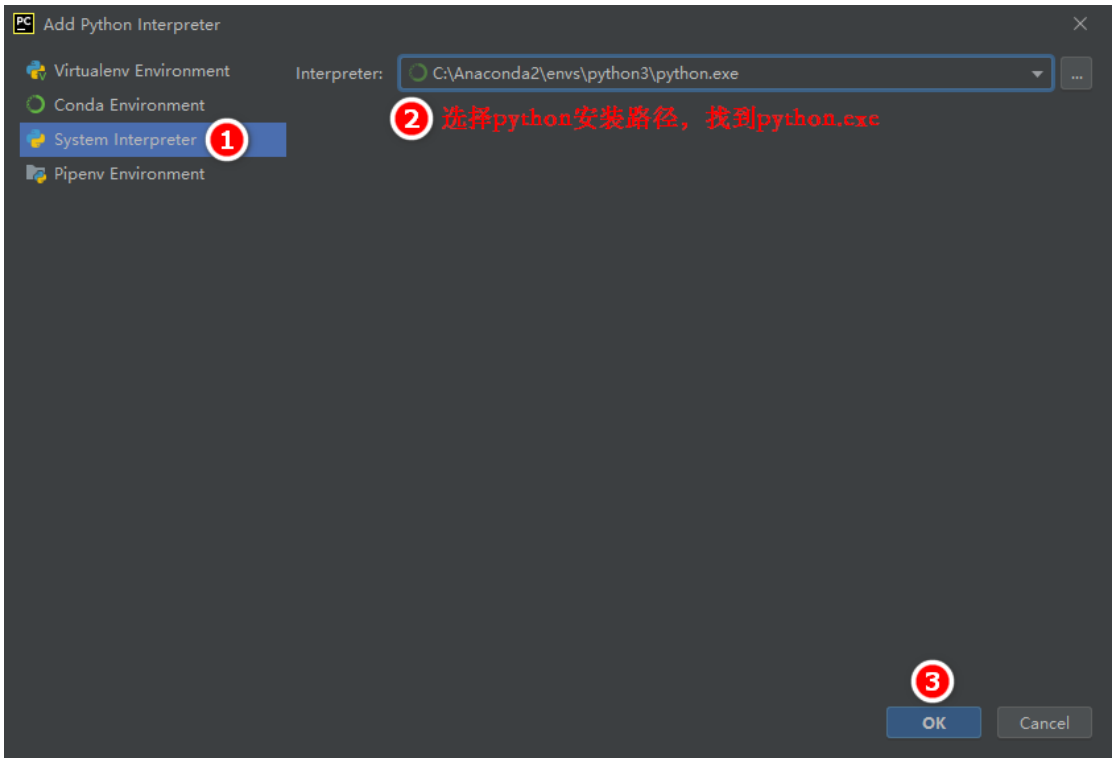

Anaconda Prompt (python3) - python
(python3) C:\Users\Mr.H>python
Python 3.6.8 |Anaconda custom (64-bit)| (default, Feb 21 2019, 18:30:04) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
Failed calling sys.__interactivehook__
Traceback (most recent call last):
File "C:\Anaconda2\envs\python3\lib\site.py", line 410, in register_readline
readline.read_history_file(history)
File "C:\Anaconda2\envs\python3\lib\site-packages\pyreadline\rlmain.py", line 165, in read_history_file
self.mode._history.read_history_file(filename)
File "C:\Anaconda2\envs\python3\lib\site-packages\pyreadline\lineeditor\history.py", line 82, in read_history_file
for line in open(filename, 'r'):
UnicodeDecodeError: 'gbk' codec can't decode byte 0x91 in position 735: illegal multibyte sequence
>>> from scapy.all import *
>>> from scapy.layers.l2 import ARP, Ether
>>> from scapy.layers.inet import IP, ICMP, TCP, in4_chksum, UDP
>>> from scapy.layers.dns import DNS
>>> from scapy.layers.inet6 import IPv6
>>>

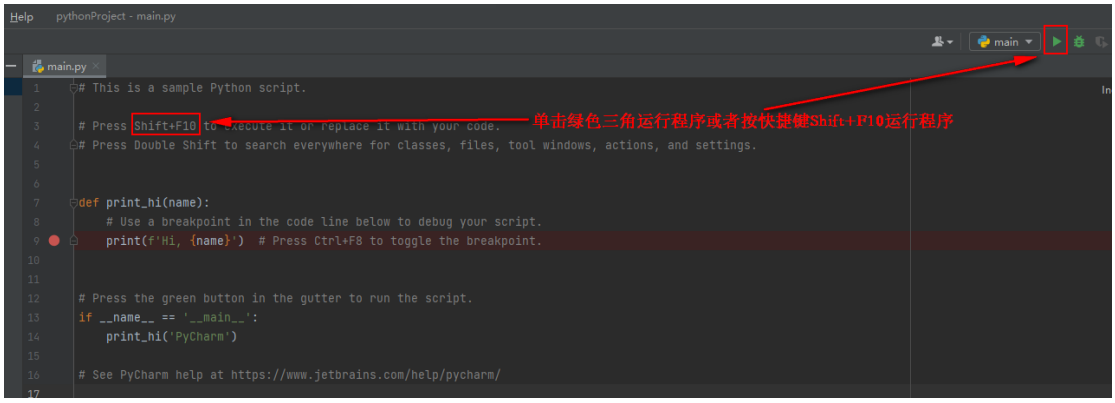
4、配置 Pycharm 解释器。

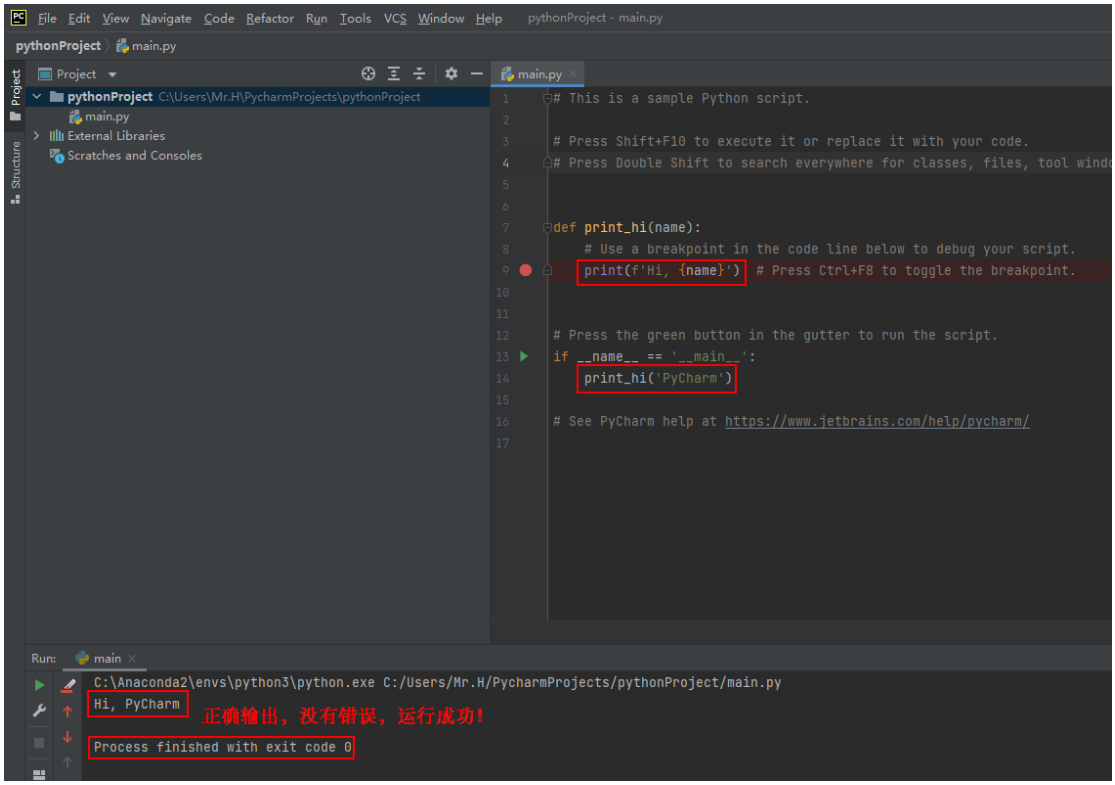


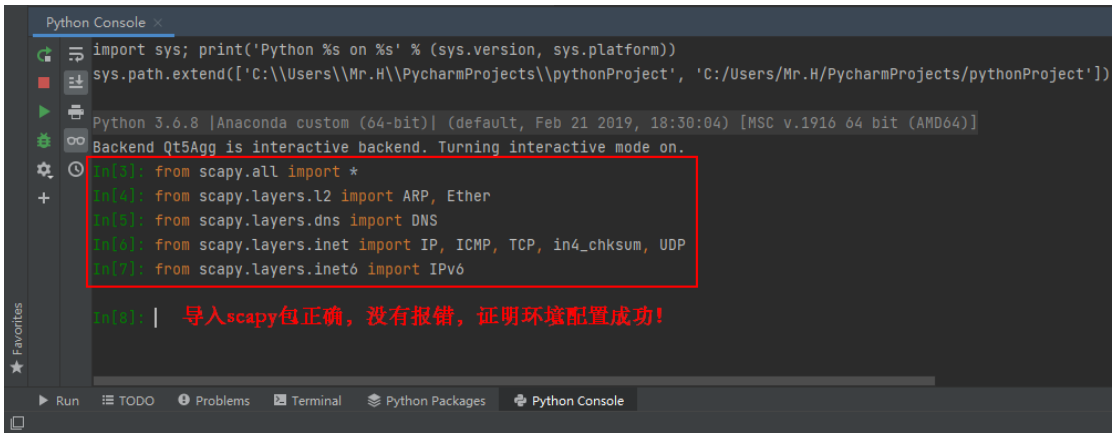

Welcome to PyCharm
PyCharm
2021.2.1
Projects
Customize
Plugins
Learn PyCharm
Welcome to PyCharm
Create a new project to start from scratch.
Open existing project from disk or version control.
1 单击+号创建新项目
New Project
Open
Get from VCS
Take a quick onboarding tour
Get familiar with the PyCharm user interface and learn how to code in Python with smart assistance in just 7 minutes!
Start Tour


New Project
Location: C:\Users\Mr.H\PycharmProjects\pythonProject
1 选择项目保存位置
Python Interpreter: Python 3.6
New environment using Virtualenv
Location: C:\Users\Mr.H\PycharmProjects\pythonProject\venv
Base interpreter: [invalid] Python 3.8 (pythonProject) C:\Users\Administrator\PycharmProjects\pythonProject\venv\
Inherit global site-packages
Make available to all projects
2 Previously configured interpreter
勾选先前配置解释器
Interpreter: Python 3.6 C:\Anaconda2\envs\python3\python.exe
Create a main.py welcome script
Create a Python script that provides an entry point to coding in PyCharm.
勾选
3
点击…添加解释器
4
Create
Cancel


Add Python Interpreter
Virtualenv Environment
Conda Environment
System Interpreter
Pipenv Environment
Interpreter:
C:\Anaconda2\envs\python3\python.exe
1
2
选择python安装路径，找到python.exe
3
OK
Cancel


Help
pythonProject - main.py
main
main.py
# This is a sample Python script.
# Press Shift+F10 to execute it or replace it with your code.
# Press Double Shift to search everywhere for classes, files, tool windows, actions, and settings.
def print_hi(name):
# Use a breakpoint in the code line below to debug your script.
print(f'Hi, {name}') # Press Ctrl+F8 to toggle the breakpoint.
# Press the green button in the gutter to run the script.
if __name__ == '__main__':
print_hi('PyCharm')
# See PyCharm help at https://www.jetbrains.com/help/pycharm/
单击绿色三角运行程序或者按快捷键Shift+F10运行程序


File Edit View Navigate Code Refactor Run Tools VCS Window Help pythonProject - main.py
pythonProject main.py
Project
pythonProject C:\Users\Mr.H\PycharmProjects\pythonProject
main.py
External Libraries
Scratches and Consoles
main.py
# This is a sample Python script.
# Press Shift+F10 to execute it or replace it with your code.
# Press Double Shift to search everywhere for classes, files, tool windo
def print_hi(name):
# Use a breakpoint in the code line below to debug your script.
print(f'Hi, {name}') # Press Ctrl+F8 to toggle the breakpoint.
# Press the green button in the gutter to run the script.
if __name__ == '__main__':
print_hi('PyCharm')
# See PyCharm help at https://www.jetbrains.com/help/pycharm/
Run: main
C:\Anaconda2\envs\python3\python.exe C:/Users/Mr.H/PycharmProjects/pythonProject/main.py
Hi, PyCharm
正确输出，没有错误，运行成功!
Process finished with exit code 0


Python Console
import sys; print('Python %s on %s' % (sys.version, sys.platform))
sys.path.extend(['C:\\Users\\Mr.H\\PycharmProjects\\pythonProject', 'C:/Users/Mr.H/PycharmProjects/pythonProject'])
Python 3.6.8 |Anaconda custom (64-bit)| (default, Feb 21 2019, 18:30:04) [MSC v.1916 64 bit (AMD64)]
Backend Qt5Agg is interactive backend. Turning interactive mode on.
In[3]: from scapy.all import *
In[4]: from scapy.layers.l2 import ARP, Ether
In[5]: from scapy.layers.dns import DNS
In[6]: from scapy.layers.inet import IP, ICMP, TCP, in4_chksum, UDP
In[7]: from scapy.layers.inet6 import IPv6
In[8]:
导入scapy包正确，没有报错，证明环境配置成功!
Favorites
Run TODO Problems Terminal Python Packages Python Console