

CSC 4220: Assignment 4 Scapy Installation Tutorial

Note: When running the .exe or .msi, run them as administrators.

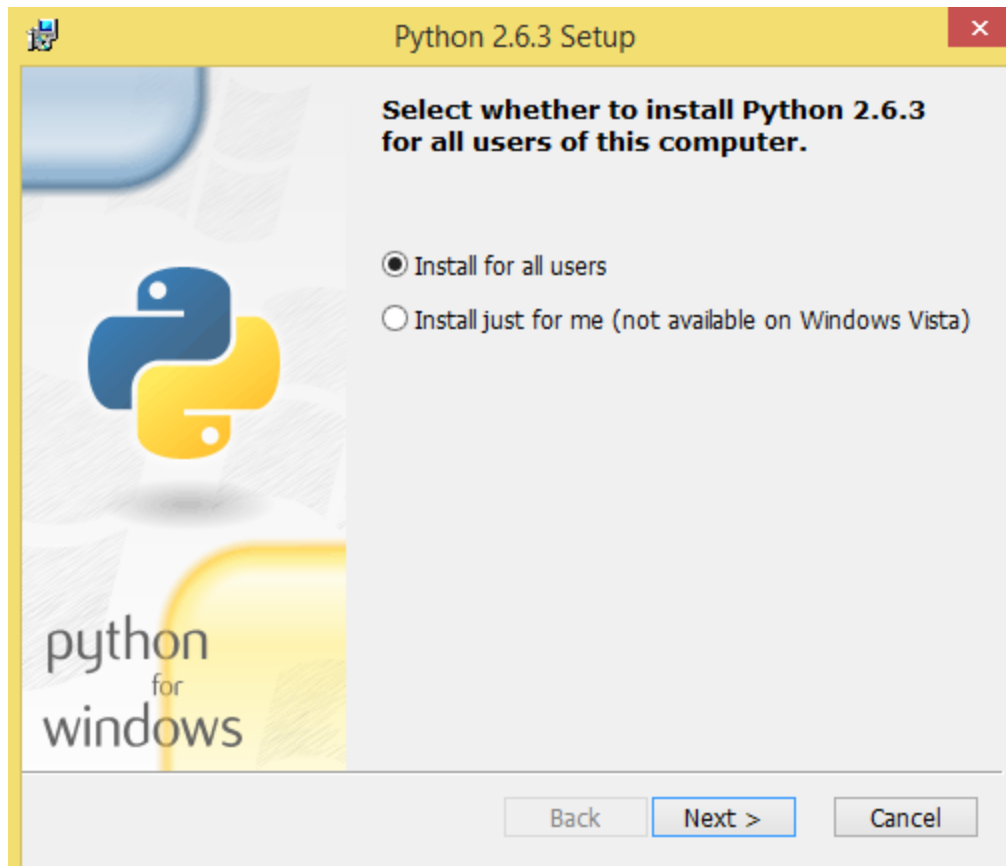
1. Download either python-2.5.4.msi. python-2.6.3.msi. from the link:

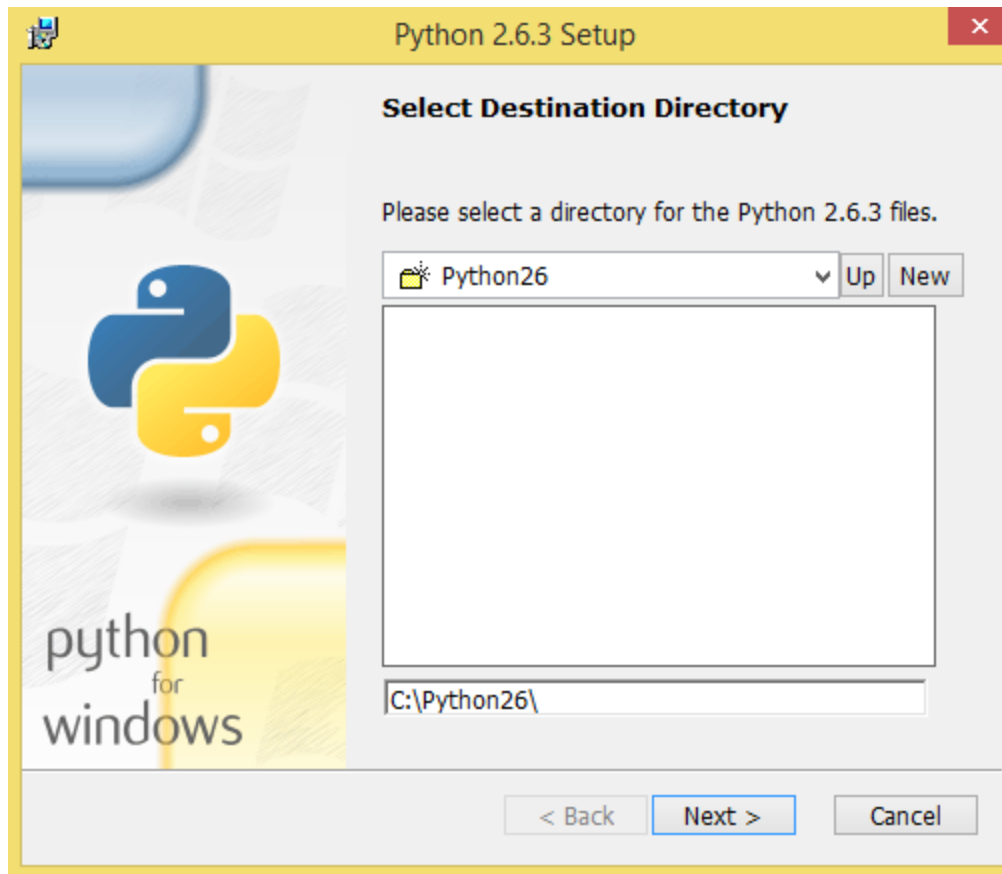
<http://www.secdev.org/projects/scapy/doc/installation.html#windows>

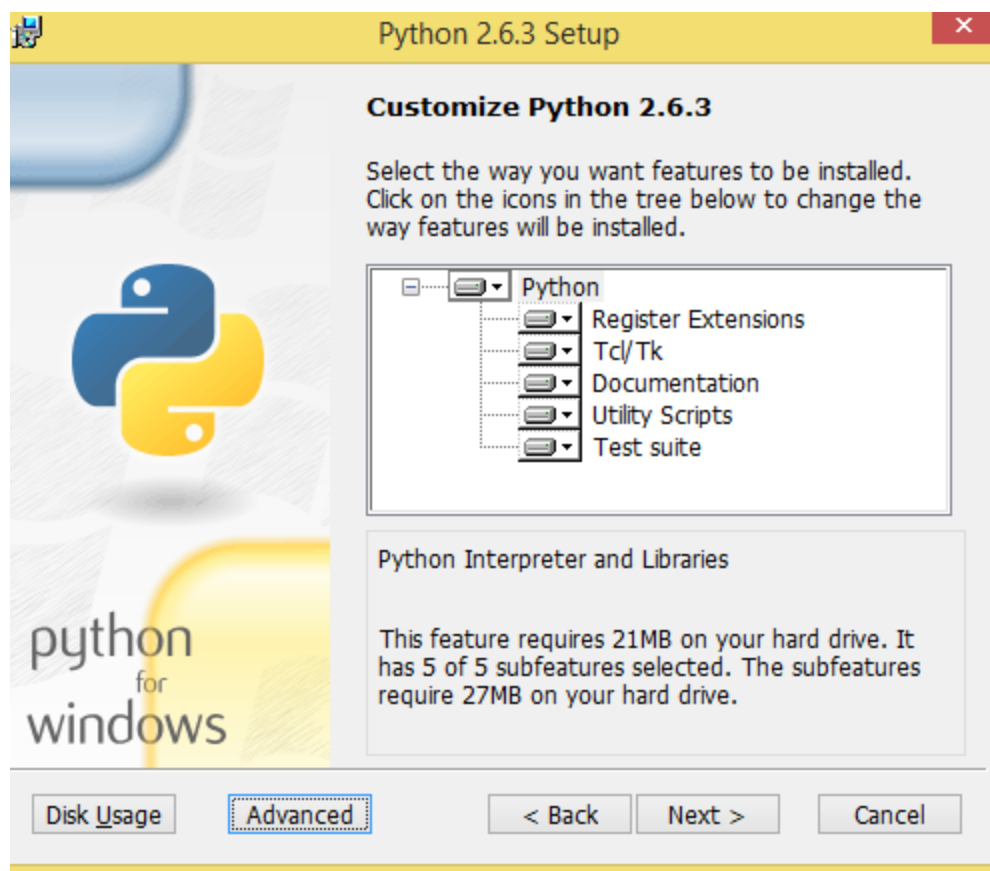
You need the following software packages in order to install Scapy on Windows:

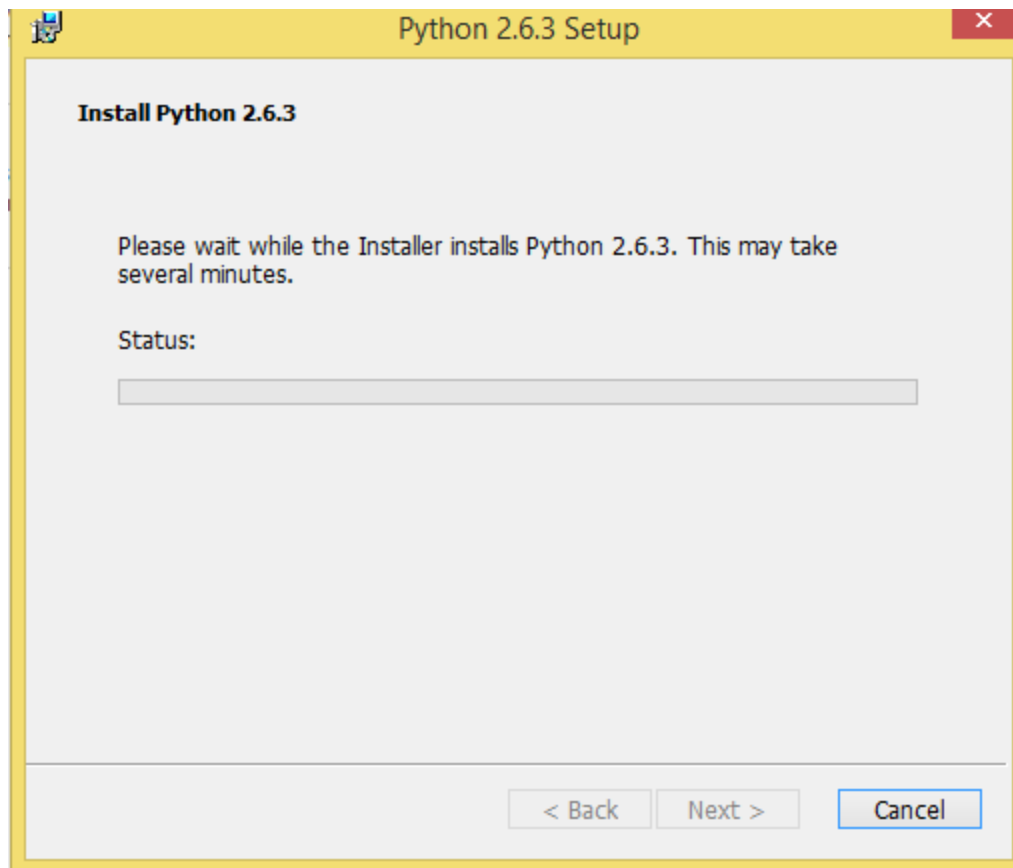
- Python: python-2.5.4.msi. python-2.6.3.msi. After installation, add the Python installation directory and its Scripts subdirectory to your PATH. Depending on your Python version, the defaults would be C:\Python25 and C:\Python25\Scripts Or C:\Python26 and C:\Python26\Scripts respectively.
- Scapy: latest development version from the Mercurial repository. Unzip the archive, open a command prompt in that directory and run "python setup.py install".
- pywin32: pywin32-214.win32-py2.5.exe pywin32-214.win32-py2.6.exe
- WinPcap: WinPcap_4_1_1.exe. You might want to choose "[x] Automatically start the WinPcap driver at boot time", so that non-privileged users can sniff, especially under Vista and Windows 7. If you want to use the ethernet vendor database to resolve MAC addresses or use the `wireshark()` command, download Wireshark which already includes WinPcap.
- pypcap: pcap-1.1-scapy-20090720.win32-py25.exe pcap-1.1-scapy-20090720.win32-py2.6.exe. This is a *special version for Scapy*, as the original leads to some timing problems. Now works on Vista and Windows 7, too. Under Vista/Win7 please right-click on the installer and choose "Run as administrator".
- libdnet: dnet-1.12.win32-py2.5.exe dnet-1.12.win32-py2.6.exe. Under Vista/Win7 please right-click on the installer and choose "Run as administrator"
- pyreadline: pyreadline-1.5-win32-setup.exe

Run through the installation guide when executing the msi file.



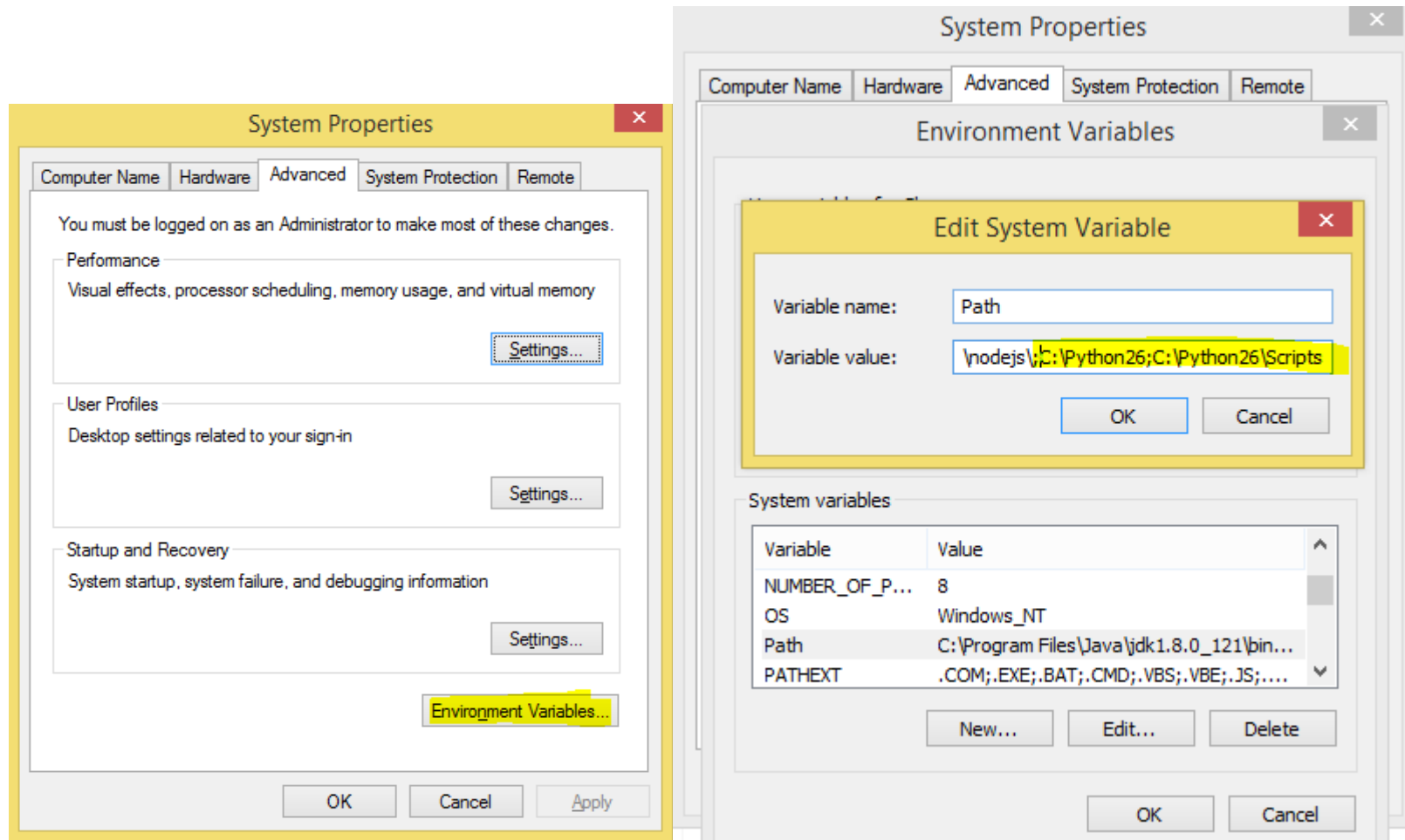








2. Setup your python environment variables



3. Install Scapy. You can unzip the folder anywhere on your main hard drive.

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unzip the files and run the setup programs. Choosing the default installation options should be safe.

Scapy Project

Scapy runs natively on Linux, and on most Unixes with libpcap, libdnet and their respective python wrapper (see [scapy's portability page](#)).

Scapy < 2.x needs Python 2.4 or upcoming versions.

Scapy ≥ 2.x needs Python 2.5 or upcoming versions.

Download

- [Development repository](#)
- [Scapy 2.3.2](#)
- [Scapy 2.3.0 executable zip](#)
- [Scapy's debian package](#) (not always up to date)
- [Scapy's RPM package](#) (not always up to date)
- [ChangeLog](#)

Related projects

- [Scapytain](#): a web application to store, organise and run test campaigns on top of Scapy
- [UTscapy](#): Unit Testing with scapy (integrated with Scapy 2.x)
- [WifiTap](#): Wi-Fi traffic injection
- [local copy of Scapy OLSR add-on](#)

4. Install WinPcap

- Python: python-2.5.4.msi. python-2.6.3.msi. After installation, add the Python installation directory and its Scripts subdirectory to your PATH. Depending on your Python version, the defaults would be C:\Python25 and C:\Python25\Scripts or C:\Python26 and C:\Python26\Scripts respectively.
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Download the files and run the setup program. Choosing the default installation options should be safe.

WinPcap

The industry-standard windows packet capture library

Download WinPcap for Windows

The latest stable WinPcap version is 4.1.3
 At the moment there is no development version of WinPcap. For the list of changes, refer to the [changelog](#).



Version 4.1.3 **Installer for Windows**
 Driver +DLLs

Supported platforms:

- Windows NT4/2000
- Windows XP/2003/Vista/2008/Win7/2008R2/Win8 (x86 and x64)

MD5 Checksum: a11a2f0cfe6d0b4c50945989db6360cd
SHA1 Checksum: e2516fcd1573e70334c8f50bee5241cdfd48a00

This executable file installs WinPcap on your machine.

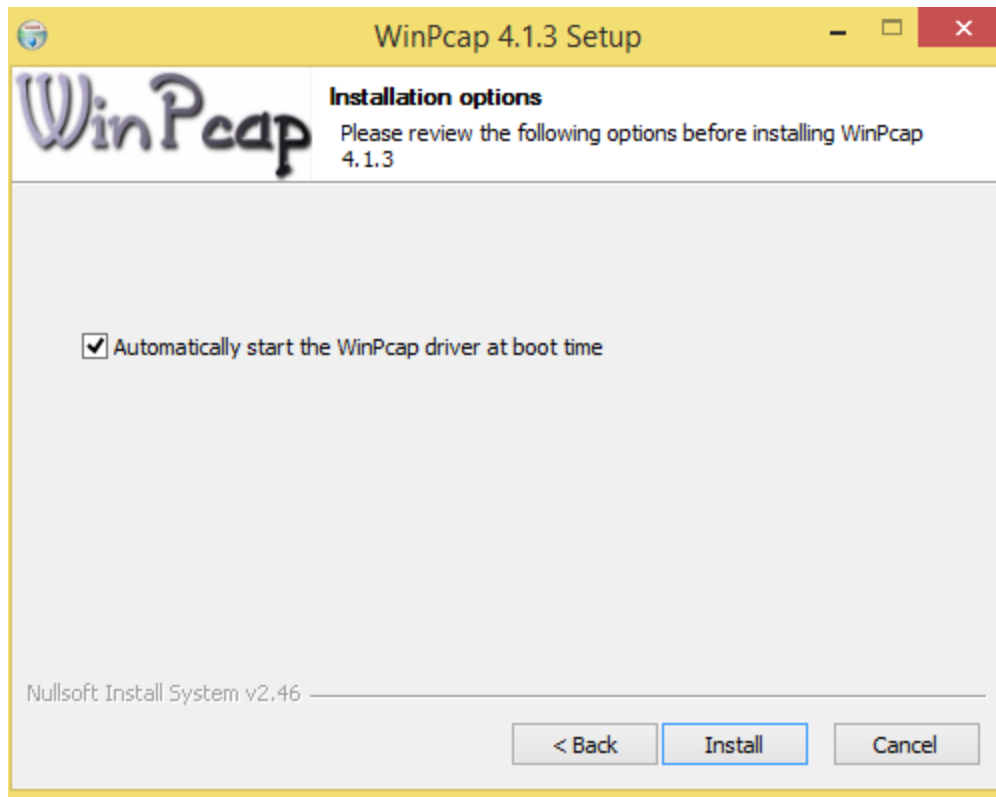
Download
[Get WinPcap](#)

Instructions

1. Download and run the executable
2. Follow the instructions on the screen. The installation applet will automatically detect the operating system and install the correct drivers
3. The WinPcap-based applications are now ready to work
4. To remove WinPcap from the system, go to the Control Panel, click on "Add/Remove programs" and then select "WinPcap"

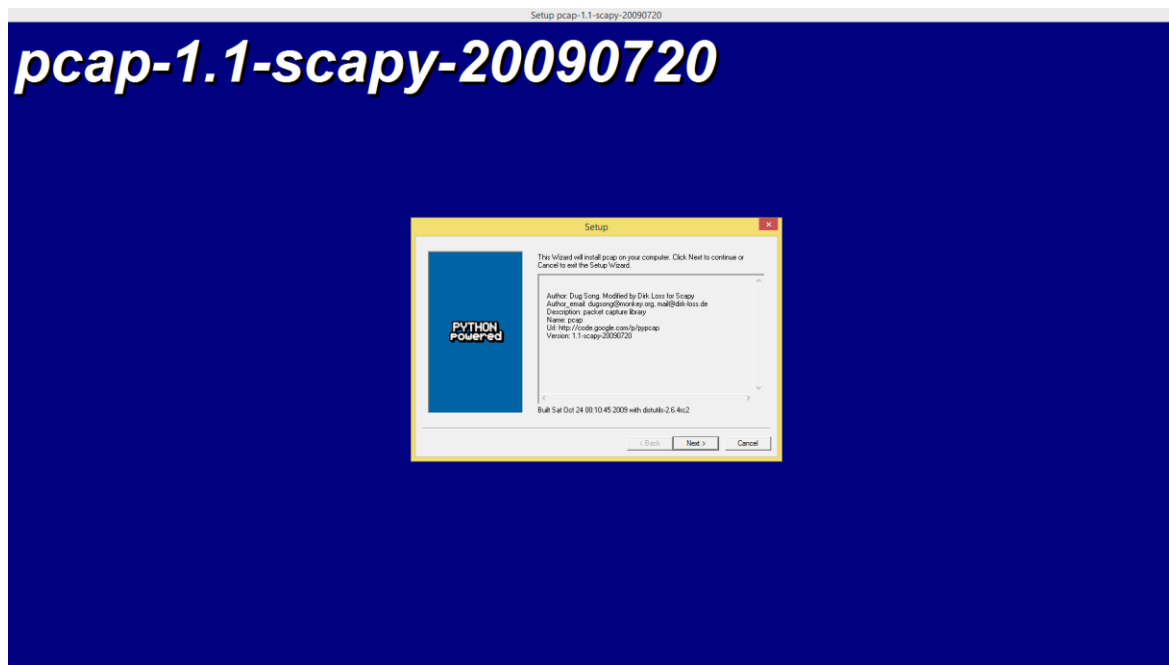
Notes

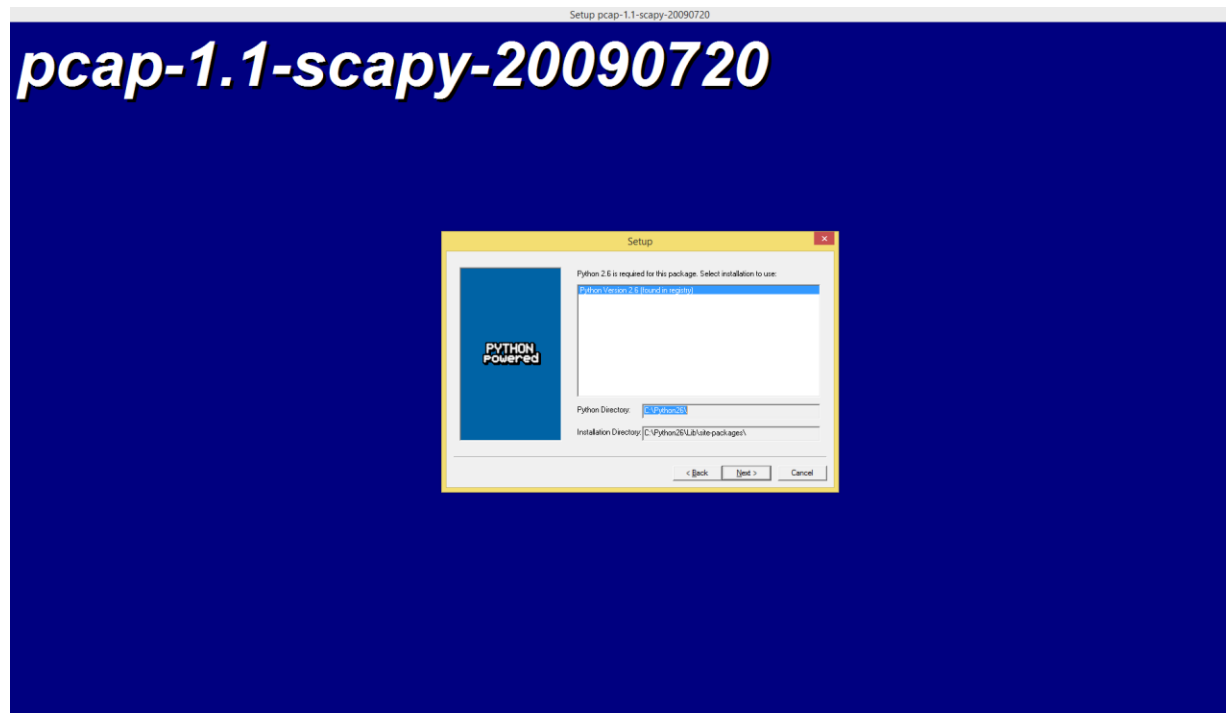
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5. Install pypcap

- Python: python-2.5.4.msi, python-2.6.3.msi. After installation, add the Python installation directory and its Scripts subdirectory to your PATH. Depending on your Python version, the defaults would be C:\Python25 and C:\Python25\Scripts or C:\Python26 and C:\Python26\Scripts respectively.
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6. Go ahead and install **libdnet**, **pywin32**, and **pyreadline** like how you did with pypcap by downloading them from the same link at the beginning of this tutorial.

7. Open a command prompt/line and type in python. Your result should look like the below. This means that you have installed python correctly.

```
C:\>python
Python 2.6.3 (r263rc1:75186, Oct  2 2009, 20:40:30) [MSC v.1500 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

8. Install setup.py. Open a command prompt and navigate into the directory in which you installed scapy. In that scapy folder, run the command “python setup.py install” and press enter to run the command. Let the installation finish, and move onto step 9.

```
C:\>cd scapy-2.3.2  
C:\scapy-2.3.2>python setup.py install
```

9. Now type scapy into a command prompt. You should see something like the below.

You are all set now.

```
C:\>scapy
INFO: Can't import python gnuplot wrapper . Won't be able to plot.
INFO: Can't import PyX. Won't be able to use psdump() or pdfdump().
INFO: No IPv6 support in kernel
WARNING: No route found for IPv6 destination :: (no default route?)
INFO: Can't import python Crypto lib. Won't be able to decrypt WEP.
WARNING: can't import layer ipsec: 'module' object has no attribute 'IPPROTO_AH'
INFO: Can't import python Crypto lib. Disabled certificate manipulation tools
Welcome to Scapy (2.3.2)
>>>
```