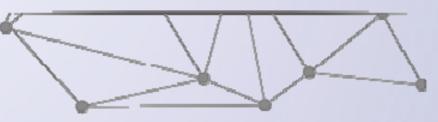


Python库通用安装方法



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Python库安装概述

- (1) Python库的自定义安装找到库所在网站,根据指示下载安装
- (2) Python库的工具安装,使用pip工具通过pip安装库函数,需要计算机连接互联网
- (3) Python库的文件安装



通过.whl文件直接安装

库的自定义安装

安装numpy库

库所在网站: http://www.numpy.org/

下载地址: http://sourceforge.net/projects/numpy

下载: numpy-1.10.1-win32-superpack-python3.4.exe

执行安装







Numerical Python A package for scientific computing with Python

Brought to you by: charris 208, jarrodmillman, kern, rgommers, teoliphant

Summary Files Reviews Support Wiki Mailing Lists

Looking for the latest version? Download numpy-1.10.1.zip (4.6 MB)

Home / NumPy / 1.10.1					3
Name ÷		Modified *	Size +	Downloads / Week	
↑ Parent folder					
Changelog		2015-10-12	5.2 kB	52	•
numpy-1.10.1-win32-superpack-pyth		2015-10-12	8.7 MB	2,412	•
numpy-1.10.1-win32-superpack-pyth		2015-10-12	8.7 MB	180	•
numpy-1.10.1-win32-superpack-pyth		2015-10-12	8.8 MB	1,345	•
numpy-1.10.1.tar.gz	Click to downlo python3.4.exe	ad numpy-1.10.1	-win32-superpack-	2,246	•
numpy-1.10.1.zip		2015-10-12	4.6 MB	6,040	•
README.txt		2015-10-12	3.1 kB	219	•
reference.pdf		2015-10-12	8.2 MB	101	•
userguide.pdf		2015-10-12	503.2 kB	240	•
Totals: 9 Items			43.5 MB	12,835	



库的工具安装:pip

```
C:\windows\system32\cmd.exe
                                                                                        ×
E:\>pip -h
Usage:
 pip <command> [options]
Commands:
 install
                              Install packages.
 uninstall
                              Uninstall packages.
                              Output installed packages in requirements format.
 freeze
 list
                              List installed packages.
                              Show information about installed packages.
  show
 search
                              Search PyPI for packages.
                              Build wheels from your requirements.
 whee1
 help
                              Show help for commands.
```



以Windows为例,打开cmd,输入pip -h

注意,不要在IDLE中输入pip

pip使用

pip支持以下一些子命令

44	4万東マ		
命令	解释		
install	安装库		
uninstall	卸载库		
list	列出已经安装库的信息		
show	列出已经安装库的详细信息		
search	通过PyPI搜索库		
help	帮助命令		



E:\>pip help install 查看install命令的使用帮助

pip的install命令

■ 命令格式:

pip install [安装库名称]

■ 示例:安装 py2exe库

E:\>pip instal1 py2exe

pip将py2exe库从网络下载并安装到系统中



pip的install命令

■ 更新库的命令格式:

pip install -U [安装库名称]

■ 示例:对已安装的 py2exe库进行版本更新

E:\>pip install -U py2exe Requirement already up-to-date: py2exe in c:\python34\lib\site-packages

pip将在网络上检查py2exe库的最新版本,如果更新则



下载安装。

pip的uninstall命令

■ 卸载库的命令格式:

pip uninstall [安装库名称]

■ 示例:卸载已安装的 py2exe库

```
E:\>pip uninstall py2exe
Uninstalling py2exe-0.9.2.2:
c:\python34\lib\site-packages\__pycache__\zipextimporter.cpython-34.pyc
c:\python34\lib\site-packages\py2exe-0.9.2.2.dist-info\description.rst
c:\python34\lib\site-packages\py2exe-0.9.2.2.dist-info\entry_points.txt
```



pip将卸载本机中的py2exe库

pip的list命令

显示已安装库的命令:

pip list

■ 显示有更新的库命令:

pip list --outdated

```
E:\>pip 1ist
cycler (0.9.0)
inet (0.1.2)
Pillow (3.0.0)
pip (7.1.2)
py2exe (0.9.2.2)
pytz (2015.7)
setuptools (12.0.5)
six (1.10.0)
wheel (0.26.0)
XlsxWriter (0.7.7)
```

wheel库提供对wheel格式文件的安装



Python安装文件一般用wheel格式,.whl

pip的show命令

■ 显示一个已安装库的具体信息

pip show [安装库名称]

■ 示例:显示安装 py2exe库具体信息

E:\>pip show py2exe

Metadata-Version: 2.0

Name: py2exe Version: 0.9.2.2

Summary: Build standalone executables for Windows (python 3 version)

Home-page: http://www.py2exe.org/

Author: Thomas Heller

Author-email: theller@ctypes.org

License: MIT/X11

Location: c:\python34\1ib\site-packages

Requires:



pip的search命令

■ 在PyPI中搜索库名或摘要中的关键字

pip search [关键字]

■ 示例:搜索 py2exe关键字对应信息



E:\>pip search py2exe - Build standalone executables for Windows py2exe (python 3 version) INSTALLED: 0.9.2.2 (1atest) pv2exe2msi - An easy way to create Windows standalone applications in Python py2exe py2 - A wheel of Py2exe for Python 2 yBuilder-for-Py2exe - A tool to asist in compiling python scripts with py2exe pv-exe-builder - Uses py2exe to create small exe stubs that leverage a full python installation, rather than packing the required pyc files in to the executable.

库的文件安装

■ Python库文件的格式:

Python安装文件一般用wheel格式,.whl

■ 下载地址:

http://www.lfd.uci.edu/~gohlke/pythonlibs



库的文件安装

■ 示例:安装pywin32库

下载 pywin32-219-cp34-none-win_amd64.whl

■ 安装命令:

```
E:\>pip install pywin32-219-cp34-none-win_amd64.whl
Processing e:\pywin32-219-cp34-none-win_amd64.whl
Installing collected packages: pywin32
Successfully installed pywin32-219
```



安装方式的选择

■ 优先级1:pip工具安装

但部分库会不成功(请不要纠结)

■ 优先级2:库的自定义安装

■ 优先级3:库的文件安装

