

Python第三方模块的安装和使用

实现目标:

1. 掌握Python第三方模块的安装方法
2. 掌握Python第三方模块的使用

实验过程:

◆第三方模块的安装: 以requests模块为例

1. 站点: <http://docs.python-requests.org/en/master/>

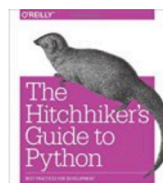


Star 23,603

Requests is an elegant and simple HTTP library for Python, built for human beings.

The Hitchhiker's Guide to Python

This guide is now available in tangible book form!



Requests: HTTP for Humans

Release v2.13.0. ([Installation](#))

license Apache 2.0 wheel yes python2.6, 2.7, 3.3, 3.4, 3.5, 3.6 build passing codecov 89% Say Thanks! 🙏

Requests is the only *Non-GMO* HTTP library for Python, safe for human consumption.

Warning: Recreational use of other HTTP libraries may result in dangerous side-effects, including: security vulnerabilities, verbose code, reinventing the wheel, constantly reading documentation, depression, headaches, or even death.

Behold, the power of Requests:

```
>>> r = requests.get('https://api.github.com/user', auth=('user', 'pass'))
>>> r.status_code
200
>>> r.headers['content-type']
'application/json; charset=utf8'
>>> r.encoding
'utf-8'
>>> r.text
u'{"type": "User"... '
>>> r.json()
{'private_gists': 419, 'total_private_repos': 77, ...}
```

See [similar code, sans Requests](#).

Requests allows you to send *organic, grass-fed* HTTP/1.1 requests, without the need for manual labor. There's no need to manually add query strings to your URLs, or to form-encode

2. 点击Installation查看安装的方法

Installation

This part of the documentation covers the installation of Requests. The first step to using any software package is getting it properly installed.

Pip Install Requests

方法一：使用pip安装

To install Requests, simply run this simple command in your terminal of choice:

```
$ pip install requests
```

If you don't have [pip](#) installed (tisk tisk!), [this Python installation guide](#) can guide you through the process.

Get the Source Code

方法二：从源码安装

Requests is actively developed on GitHub, where the code is [always available](#).

You can either clone the public repository:

```
$ git clone git://github.com/kennethreitz/requests.git
```

Or, download the [tarball](#):

```
$ curl -OL https://github.com/kennethreitz/requests/tarball/master  
# optionally, zipball is also available (for Windows users).
```

3. 使用pip安装：

1. 打开终端
2. 使用pip list查看当前安装了哪些Python的第三方模块

```
lindeMacBook-Pro:~ linjiang$ pip list  
DEPRECATION: The default format will s  
onf under the [list] section) to disab  
Django (1.8.7)  
pip (9.0.1)  
setuptools (18.2)  
virtualenv (15.1.0)
```

3. 使用pip install requests 安装request模块

```
lindeMacBook-Pro:~ linjiang$ pip install requests
Collecting requests
  Downloading requests-2.13.0-py2.py3-none-any.whl (584kB)
    100% |#####| 593kB 188kB/s
Installing collected packages: requests
Successfully installed requests-2.13.0
lindeMacBook-Pro:~ linjiang$
```

4. 使用pip list查看

```
lindeMacBook-Pro:~ linjiang$ pip list
DEPRECATION: The default format will s
onf under the [list] section) to disab
Django (1.8.7)
pip (9.0.1)
requests (2.13.0)
setuptools (18.2)
virtualenv (15.1.0)
lindeMacBook-Pro:~ linjiang$
```

5. 如果需要卸载使用pip uninstall requests

◆第三方模块的使用

1. 进入网址：<http://docs.python-requests.org/en/master/>有requests模块的使用说明

- [Get the Source Code](#)
- [Quickstart](#)
 - [Make a Request](#)
 - [Passing Parameters In URLs](#)
 - [Response Content](#)
 - [Binary Response Content](#)
 - [JSON Response Content](#)
 - [Raw Response Content](#)
 - [Custom Headers](#)
 - [More complicated POST requests](#)
 - [POST a Multipart-Encoded File](#)
 - [Response Status Codes](#)
 - [Response Headers](#)
 - [Cookies](#)
 - [Redirection and History](#)
 - [Timeouts](#)
 - [Errors and Exceptions](#)
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 - [Session Objects](#)
 - [Request and Response Objects](#)
 - [Prepared Requests](#)
 - [SSL Cert Verification](#)
 - [CA Certificates](#)
 - [Body Content Workflow](#)
 - [Keep-Alive](#)
 - [Streaming Uploads](#)
 - [Chunk-Encoded Requests](#)
 - [POST Multiple Multipart-Encoded Files](#)
 - [Event Hooks](#)

2. 基本的get请求：

```
import request
requests.get(<想要访问的url地址>)
```