

法律声明

本课件包括：演示文稿，示例，代码，题库，视频和声音等，小象学院拥有完全知识产权的权利；只限于善意学习者在本课程使用，不得在课程范围外向任何第三方散播。任何其他人或机构不得盗版、复制、仿造其中的创意，我们将保留一切通过法律手段追究违反者的权利。



关注 小象学院

需要安装的软件

- ☐ MongoDB
- ☐ Python3.7.0
- ☐ PyCharm CE

MongoDB安装指导

使用参考文档: <https://docs.mongodb.com/manual/tutorial/getting-started/>

安装参考文档: <https://docs.mongodb.com/manual/installation/>

下面以Window10操作系统为例, 介绍安装过程。

1. 下载

https://www.mongodb.com/download-center/community?_ga=2.179942756.1915543413.1530790397-2013640144.1530790397

Select the server you would like to run:

MongoDB Community Server
FEATURE RICH. DEVELOPER READY.

MongoDB Enterprise Server
ADVANCED FEATURES. PERFORMANCE GRADE.

Version: 4.0.5 (current release) OS: Windows 64-bit x64

Package: MSI

Download

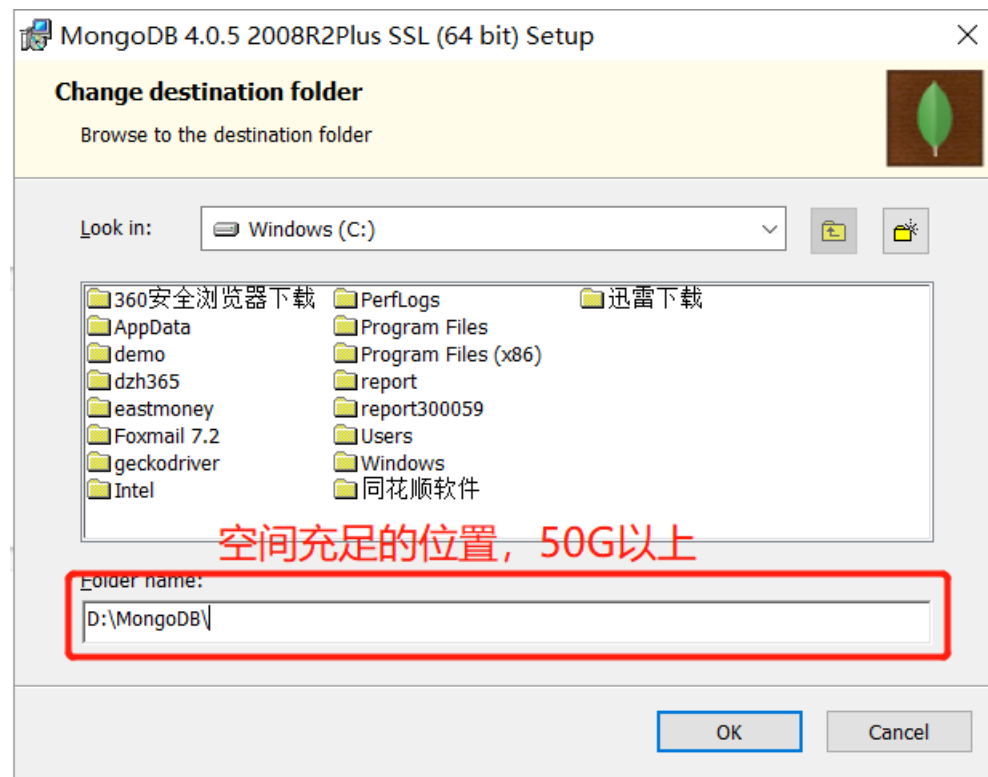
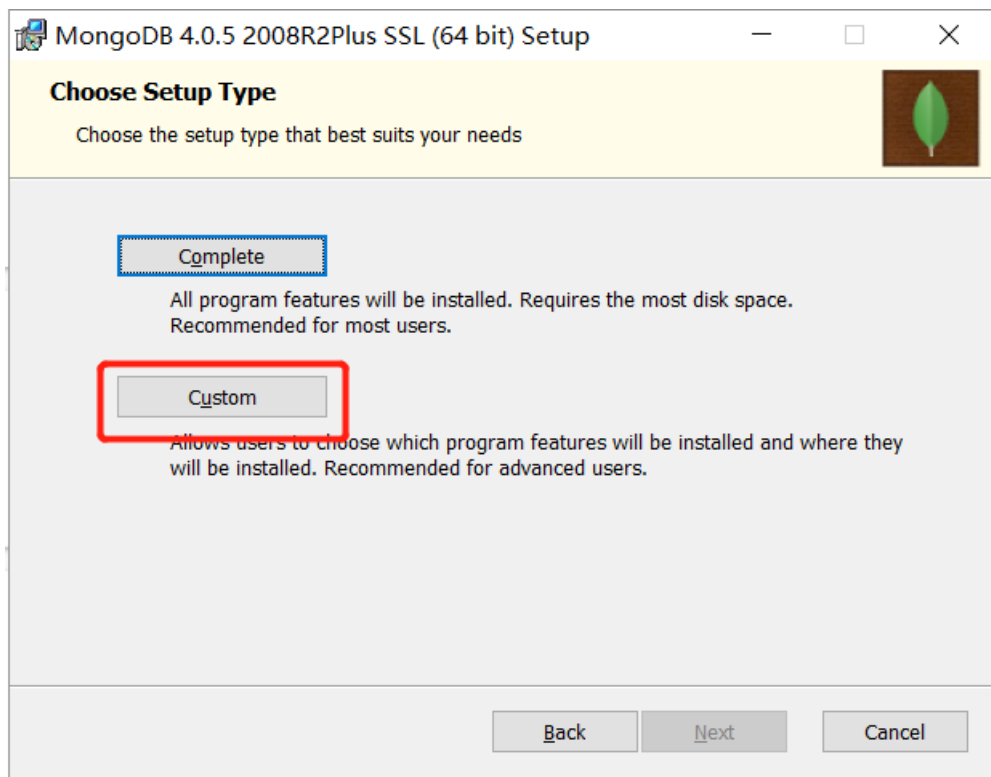
https://fastdl.mongodb.org/win32/mongodb-win32-x86_64-2008plus-ssl-4.0.5-signed.msi

- Release notes
- Changelog
- All version binaries
- Installation instructions
- Download source (tgz)
- Download source (zip)

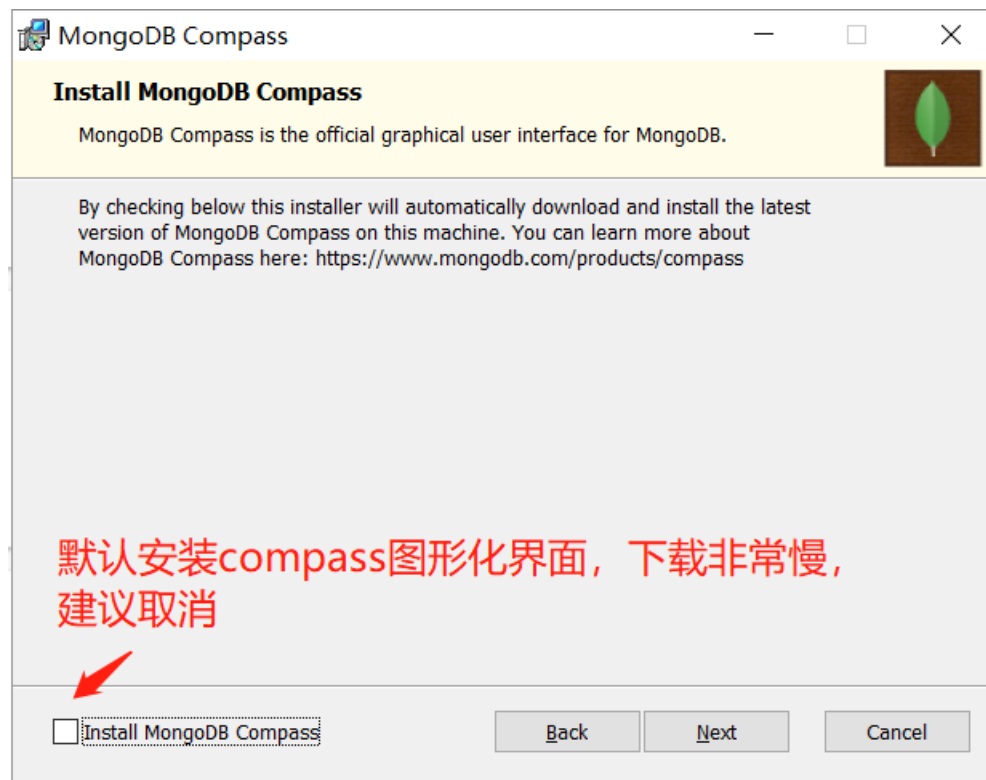
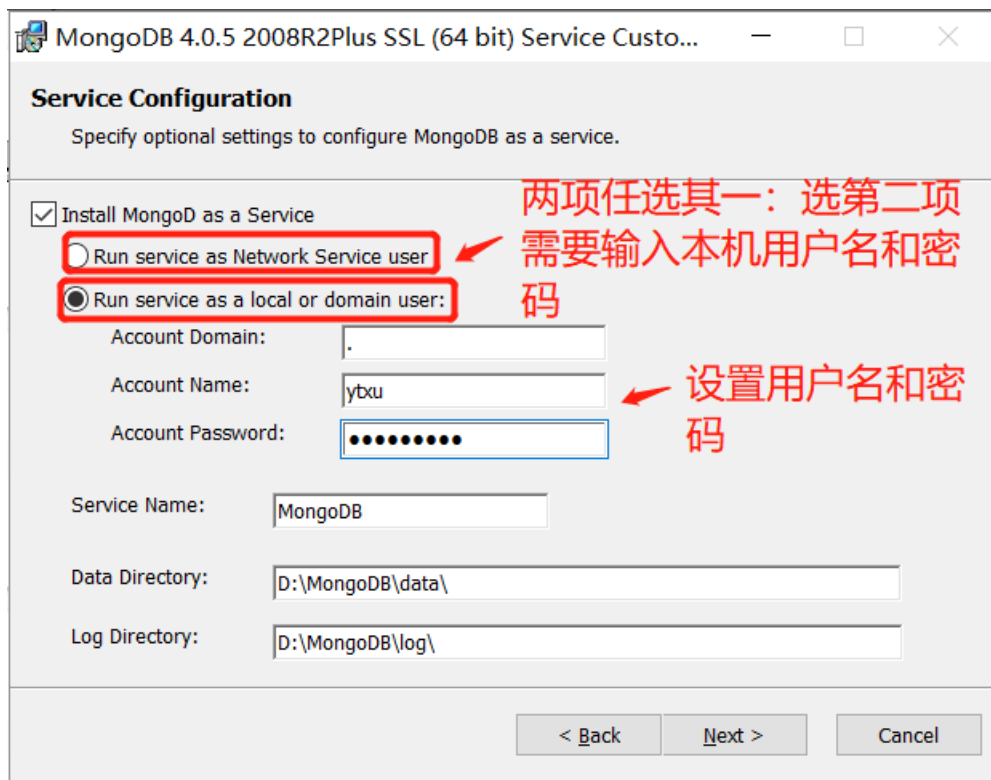


MongoDB安装指导

2. 安装



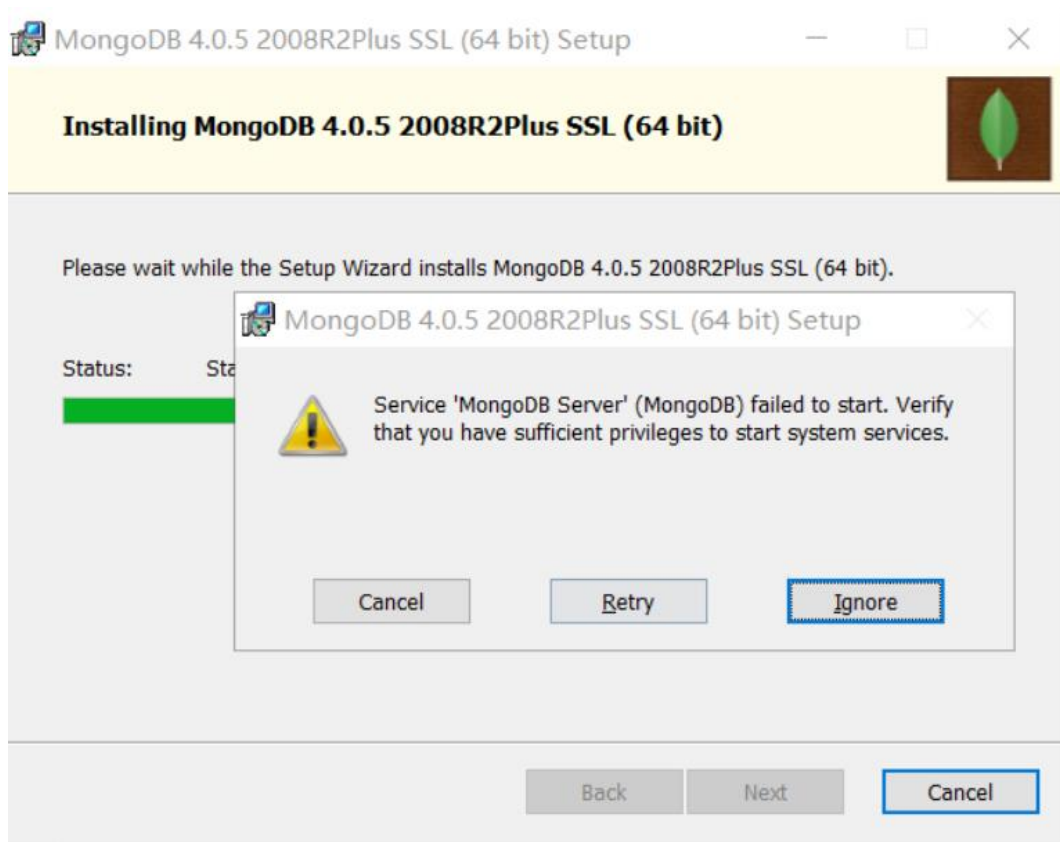
MongoDB安装指导



注意：network service与local user区别是访问权限。需要对其他计算机提供服务的，选第一项。仅仅本机使用，选第二项即可。

MongoDB安装指导

如果MongoDB无法注册为系统服务自动启动。
我们忽略即可，可以用命令行方式启动



MongoDB安装指导

3.启动MongoDB

- (1) 以管理员身份运行cmd命令行窗口(必须是管理员身份)
- (2) 切换到mongod.exe所在的目录，我这里是D:/MongoDB/bin
- (3) 运行命令： `mongod.exe --dbpath=D:\MongoDB\data`。运行结果如下图：

```
选择管理员: 命令提示符 - mongod.exe --dbpath=D:\MongoDB\data
Microsoft Windows [版本 10.0.17134.523]
(c) 2018 Microsoft Corporation. 保留所有权利。

C:\WINDOWS\system32>d:

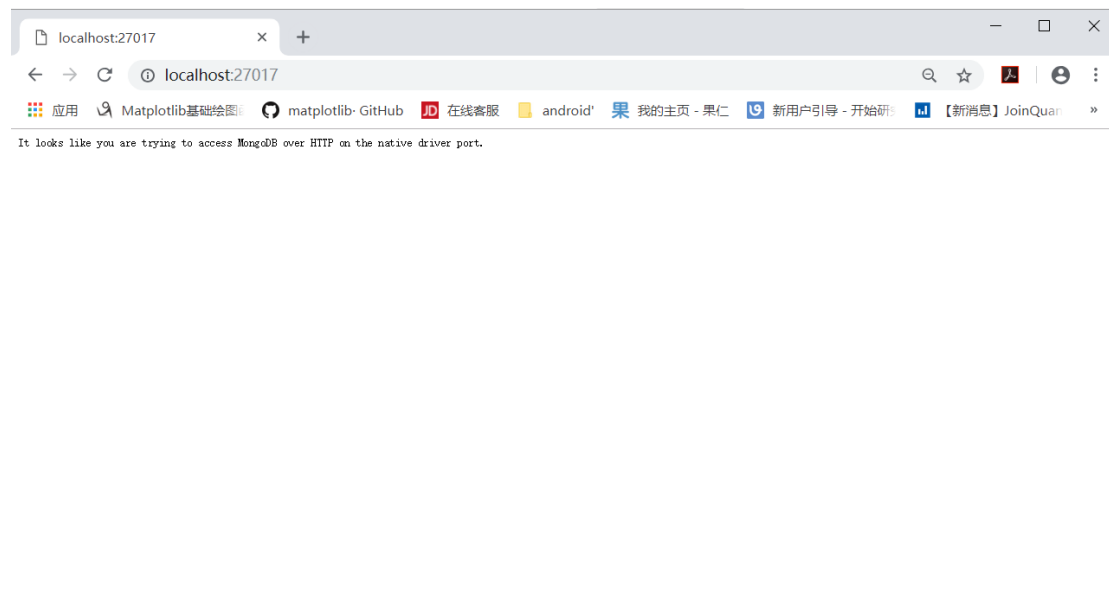
D:\>cd D:/MongoDB

D:\MongoDB>cd D:/MongoDB/bin

D:\MongoDB\bin>mongod.exe --dbpath=D:\MongoDB\data
2019-01-09T17:20:20.284-0700 I CONTROL [main] Automatically disabling TLS 1.0, to force-enable TLS 1.0 specify --sslDis
abledProtocols 'none'
2019-01-09T17:20:20.287-0700 I CONTROL [initandlisten] MongoDB starting : pid=8420 port=27017 dbpath=D:\MongoDB\data 64
-bit host=DESKTOP-19U9C3T
2019-01-09T17:20:20.287-0700 I CONTROL [initandlisten] targetMinOS: Windows 7/Windows Server 2008 R2
2019-01-09T17:20:20.287-0700 I CONTROL [initandlisten] db version v4.0.5
2019-01-09T17:20:20.288-0700 I CONTROL [initandlisten] git version: 3739429dd92b92d1b0ab120911a23d50bf03c412
2019-01-09T17:20:20.288-0700 I CONTROL [initandlisten] allocator: tcmalloc
2019-01-09T17:20:20.288-0700 I CONTROL [initandlisten] modules: none
2019-01-09T17:20:20.288-0700 I CONTROL [initandlisten] build environment:
2019-01-09T17:20:20.288-0700 I CONTROL [initandlisten] distmod: 2008plus-ssl
2019-01-09T17:20:20.288-0700 I CONTROL [initandlisten] distarch: x86_64
2019-01-09T17:20:20.288-0700 I CONTROL [initandlisten] target_arch: x86_64
2019-01-09T17:20:20.288-0700 I CONTROL [initandlisten] options: { storage: { dbPath: "D:\MongoDB\data" } }
2019-01-09T17:20:20.290-0700 I STORAGE [initandlisten] wiredtiger_open config: create,cache_size=7622M,session_max=2000
0,eviction=(threads_min=4,threads_max=4),config_base=false,statistics=(fast),log=(enabled=true,archive=true,path=journal
,compressor=snappy),file_manager=(close_idle_time=100000),statistics_log=(wait=0),verbose=(recovery_progress),
2019-01-09T17:20:20.334-0700 I STORAGE [initandlisten] WiredTiger message [1547079620:333754][8420:140714549722192]. tx
n-recover: Set global recovery timestamp: 0
2019-01-09T17:20:20.342-0700 I RECOVERY [initandlisten] WiredTiger recoveryTimestamp. Ts: Timestamp(0, 0)
```

MongoDB安装指导

(4) 打开浏览器，访问localhost:27017，成功启动后显示信息如下图：



Python安装指导

使用参考文档: <https://docs.python.org/3/>

安装参考文档: <https://docs.python.org/3/using/index.html>

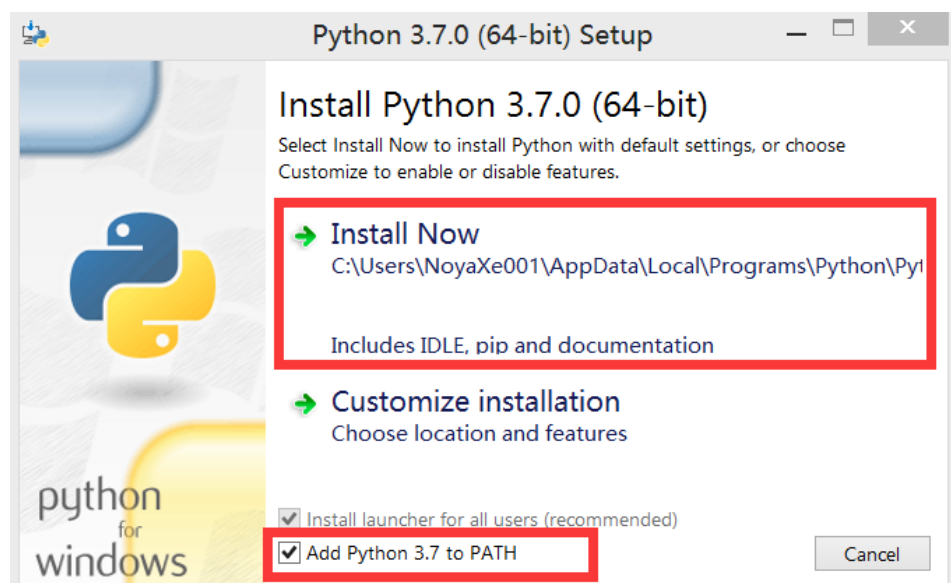
下面以Window10操作系统为例, 介绍安装过程。

1. 下载: <https://www.python.org/downloads/>, 选择适合自己操作系统的版本。
我这里直接点击Download Python3.7.2。



Python安装指导

2. 安装



Python安装指导

3. 测试是否安装成功

(1)以管理员身份打开命令提示符(cmd)，输入命令python3或者python，回车后看到Python的版本信息，如下图

```
C:\WINDOWS\system32>python3
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> _
```

(2)输入命令pip3或者pip，回车后看到pip的版本信息，如下图

```
C:\WINDOWS\system32>pip3 -V
pip 18.1 from C:\Users\ytxu\AppData\Roaming\Python\Python37\site-packages\pip (python 3.7)
C:\WINDOWS\system32>_
```

注：pip 是 Python 包管理工具，该工具提供了对Python 包的查找、下载、安装、卸载的功能

pymongo安装指导

在线文档: <http://api.mongodb.com/python/current/>

下载安装:

以管理员身份打开命令提示符(cmd),输入下载安装命令, `pip install pymongo`

```
C:\WINDOWS\system32>pip3 install pymongo
Collecting pymongo
  Downloading https://files.pythonhosted.org/packages/10/35/f081e8f16cb357cc1e082743fed98fb6/pymongo-3.7.2-cp37-cp37m-win_amd64.whl (311kB)
    100% |#####| 317kB 1.1MB/s
Installing collected packages: pymongo
Successfully installed pymongo-3.7.2
```

PyCharm安装指导

1. 下载:

<http://www.jetbrains.com/pycharm/download/#section=windows>

Download PyCharm

Windows

macOS

Linux

根据自己的操作系统选择

Professional

Full-featured IDE
for Python & Web
development

DOWNLOAD

Free trial

Community

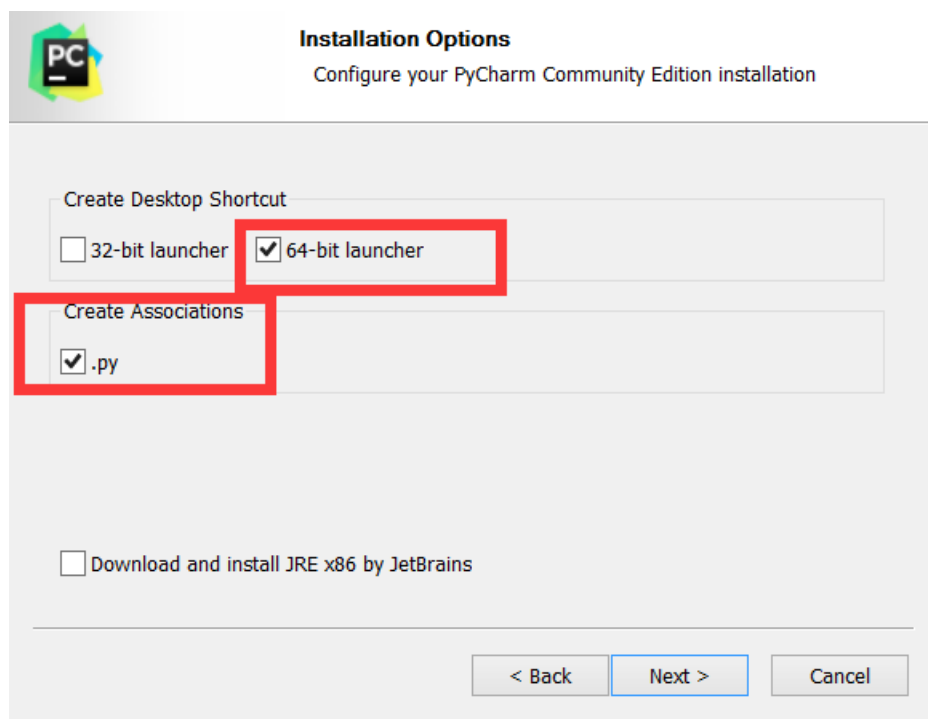
Lightweight IDE
for Python & Scientific
development

DOWNLOAD

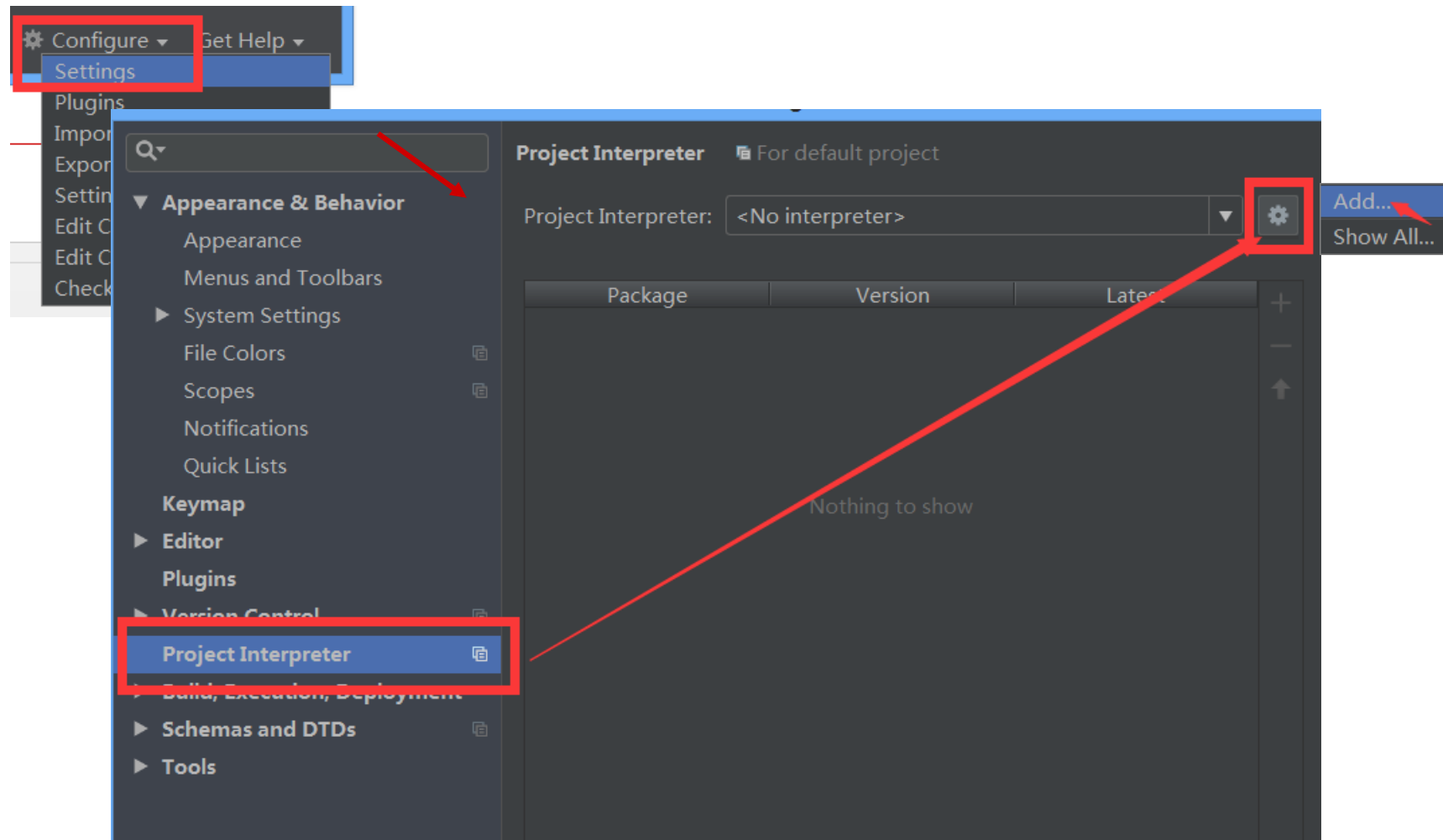
Free, open-source

PyCharm安装指导

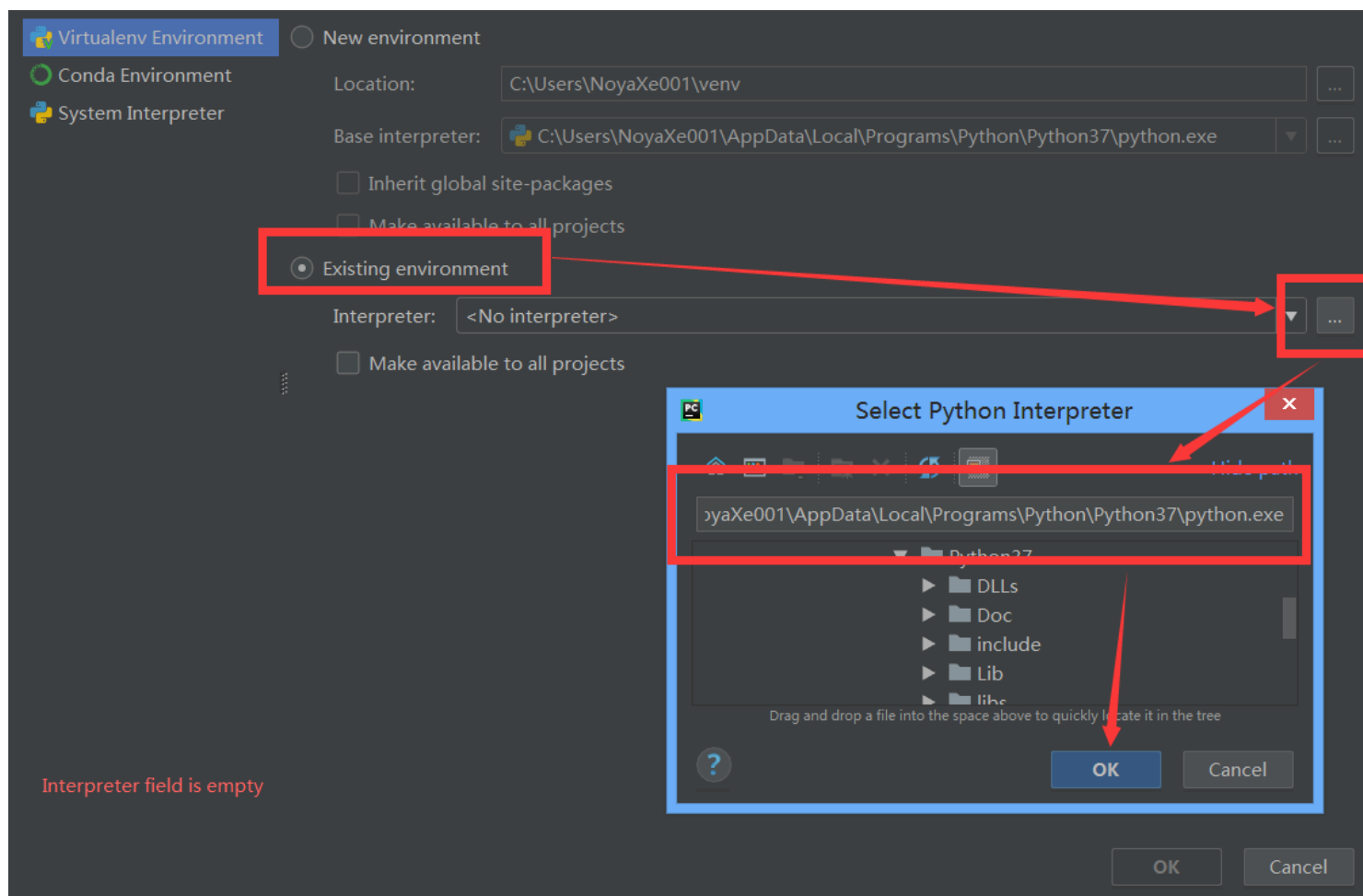
2. 安装：安装时默认Next即可。



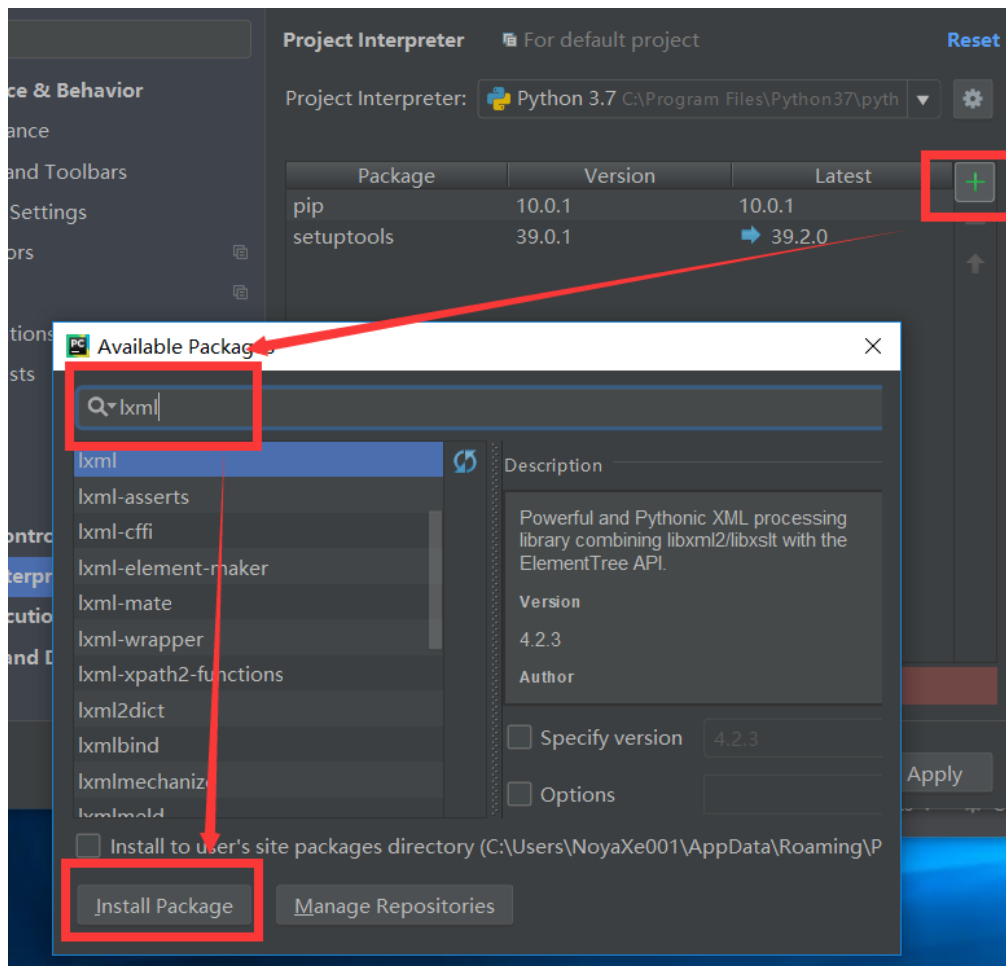
PyCharm设置



PyCharm设置



PyCharm设置 – 安装Python包



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THANKS