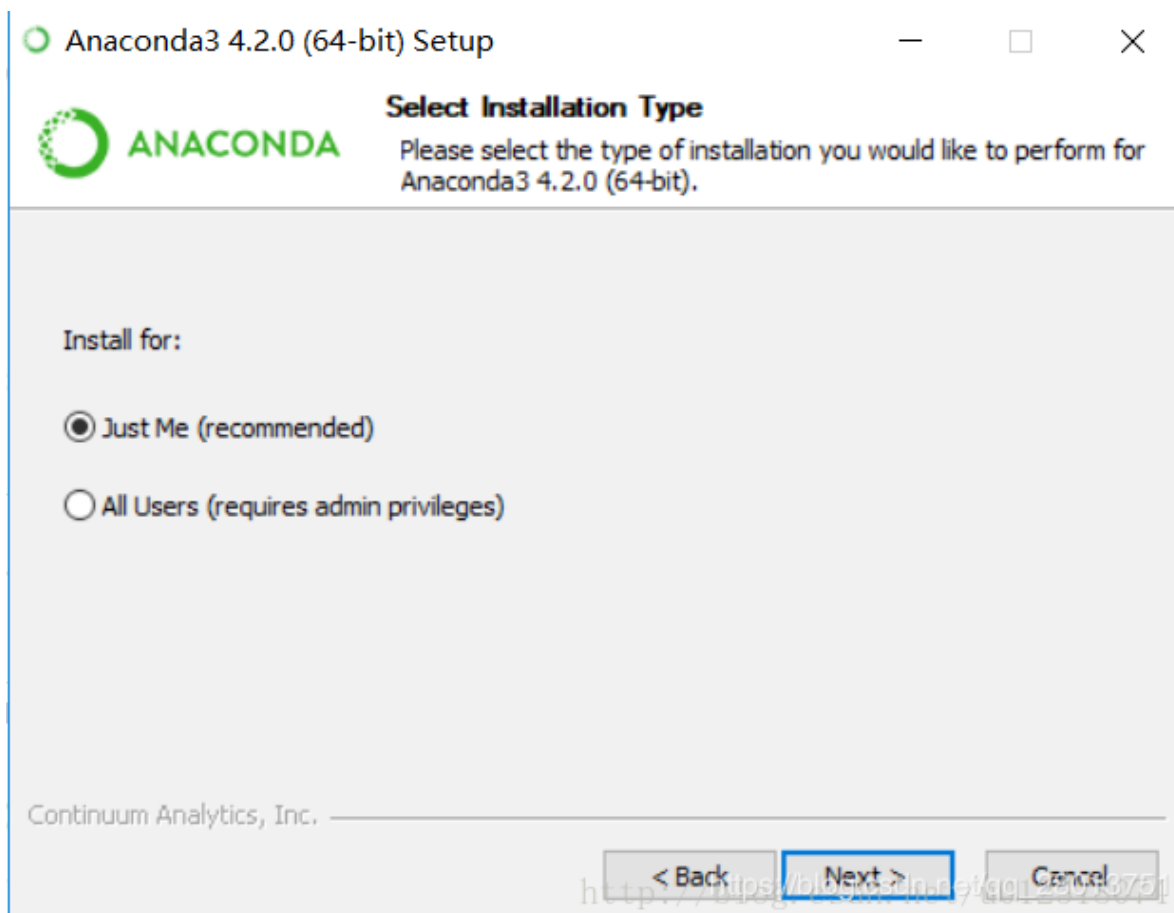


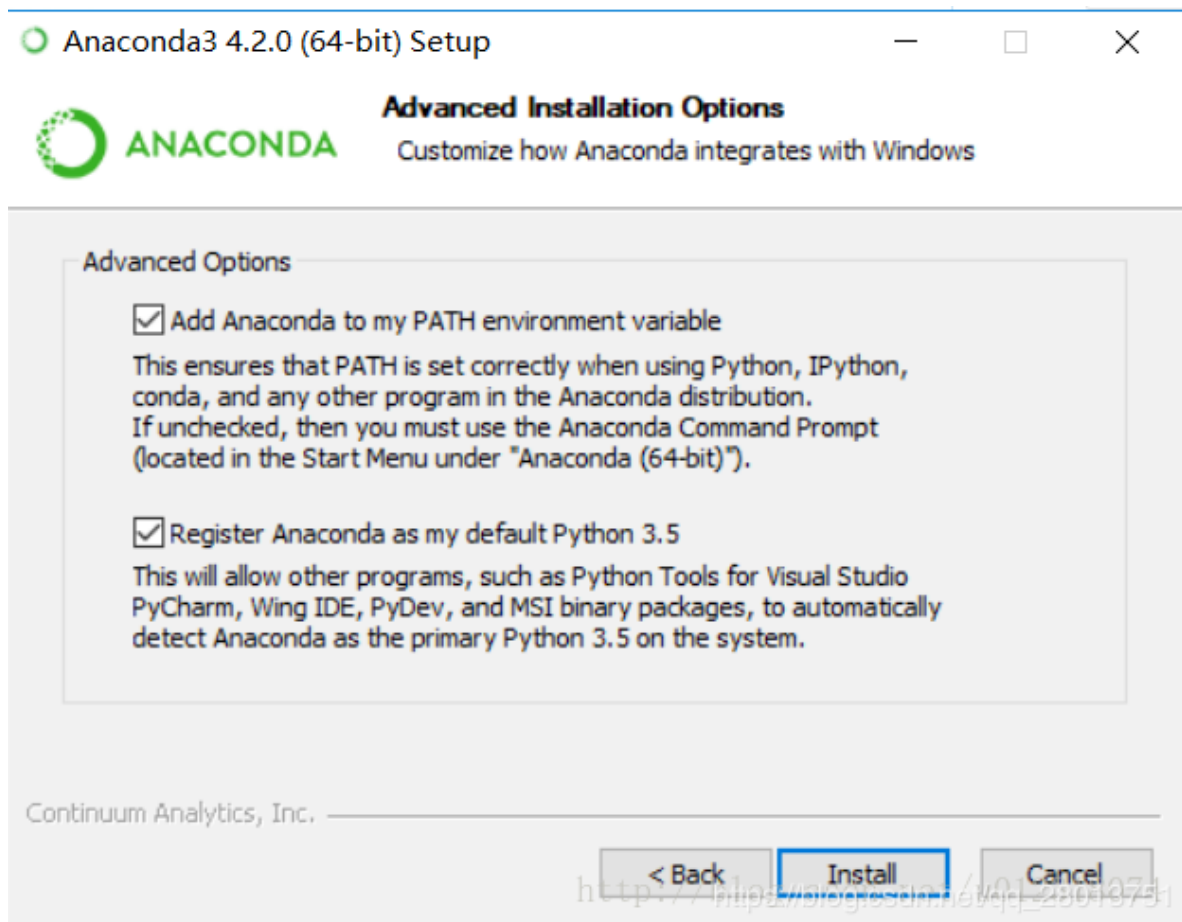
抖音02——anaconda安装和pip包安装（以librosa为例）

1 anaconda 安装

1. 官网下载<https://www.continuum.io>
2. 进入安装程序，到显示下图时。如图，如果系统只有一个用户选择默认的第一个即可，如果有多个用户而且都要用到 Anaconda，则选择第二个选项。



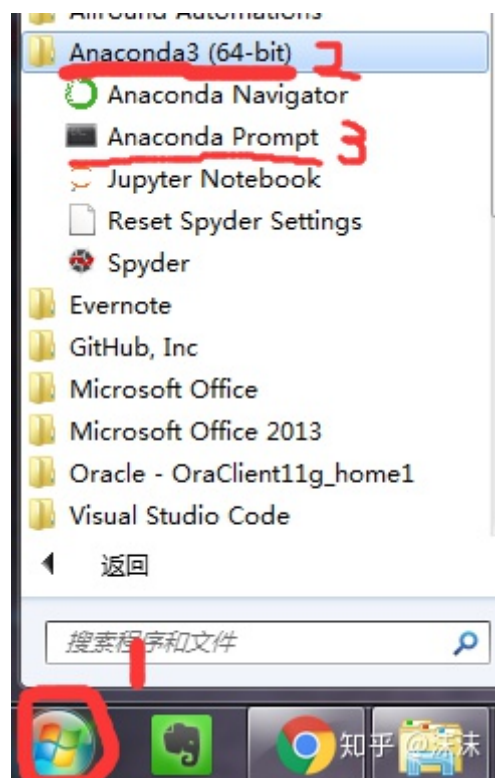
3. 两个默认就好，第一个是加入环境变量，第二个是默认使用 Python 3.5。



4. 安装需要一段时间，等待安装完成即可。需要占用空间大约 1.8 G左右。

2 pip代理配置

1. 完成安装后，如果你是在windows上操作，按下面图打开 Anaconda Prompt，就是类似windows的命令窗口这个。



2. 先添加国内镜像源，推荐阿里云，快速：<https://mirrors.aliyun.com/pypi/simple/>

```
conda config --add channels https://mirrors.aliyun.com/pypi/simple/
```

3. 查看添加的镜像:

```
conda config --get channels
```

```
(base) C:\Users\ThinkPad>conda config --get channels
--add channels 'defaults'      # lowest priority
--add channels 'https://mirrors.aliyun.com/pypi/simple/'  # highest priority
```

4. 设置可以使用pip访问包管理, 执行如下命令:

```
conda config --set use_pip True
```

5. 修改anaconda的配置文件.condarc, 一般在如下目录:

C:\Users\<你的计算机用户名>\.condarc

6. 将如下内容写入.condarc文件, 直接在下面加, 上面的不能去掉

其中这里的ip地址是cmd用ipconfig获取的地址, 上一个文件已经说明, 我是192.168.1.2

```
https: https://192.168.1.2:1808
http: http://192.168.1.2:1808
```

7. 如果未进行以上操作就会报以下错误

プロキシ未設定時のエラー例

最後に、Pythonでのプロキシエラー例です。

```
Retrying (Retry(total=4, connect=None, read=None, redirect=None, status=None)) after
Retrying (Retry(total=3, connect=None, read=None, redirect=None, status=None)) after
Retrying (Retry(total=2, connect=None, read=None, redirect=None, status=None)) after
Retrying (Retry(total=1, connect=None, read=None, redirect=None, status=None)) after
Retrying (Retry(total=0, connect=None, read=None, redirect=None, status=None)) after
Could not find a version that satisfies the requirement selenium (from versions: )
No matching distribution found for selenium
```

3 pip安装librosa包

1. 首先要保证你的电脑fiddler是关闭的, 否则就会出现下图黄色字的错误

```
选择Anaconda Prompt - pip install --index https://pypi.mirrors.ustc.edu.cn/simple/ librosa
Requirement already up-to-date: pip in c:\users\thinkpad\anaconda3\lib\site-packages (10.0.1)
twisted 18.7.0 requires PyHamcrest>=1.9.0, which is not installed.
You are using pip version 10.0.1, however version 20.2b1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

(base) C:\Users\ThinkPad>pip --trusted-host pypi.python.org install selenium
Collecting selenium
  Retrying (Retry(total=4, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLError(SSLCertVerificationError(1, '[SSL: CERTIFICATE_VERIFY_FAILED] certificate verify failed: unable to get local issuer certificate (_ssl.c:1045)'))': /simple/selenium/
  Retrying (Retry(total=3, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLError(SSLCertVerificationError(1, '[SSL: CERTIFICATE_VERIFY_FAILED] certificate verify failed: unable to get local issuer certificate (_ssl.c:1045)'))': /simple/selenium/
  Retrying (Retry(total=2, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLError(SSLCertVerificationError(1, '[SSL: CERTIFICATE_VERIFY_FAILED] certificate verify failed: unable to get local issuer certificate (_ssl.c:1045)'))': /simple/selenium/
  Retrying (Retry(total=1, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLError(SSLCertVerificationError(1, '[SSL: CERTIFICATE_VERIFY_FAILED] certificate verify failed: unable to get local issuer certificate (_ssl.c:1045)'))': /simple/selenium/
  Retrying (Retry(total=0, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLError(SSLCertVerificationError(1, '[SSL: CERTIFICATE_VERIFY_FAILED] certificate verify failed: unable to get local issuer certificate (_ssl.c:1045)'))': /simple/selenium/
Could not fetch URL https://pypi.org/simple/selenium/: There was a problem confirming the ssl certificate: HTTPSConnectionPool(host='pypi.org', port=443): Max retries exceeded with url: /simple/selenium/ (Caused by SSLError(SSLCertVerificationError(1, '[SSL: CERTIFICATE_VERIFY_FAILED] certificate verify failed: unable to get local issuer certificate (_ssl.c:1045)')))) - skipping
Could not find a version that satisfies the requirement selenium (from versions: )
No matching distribution found for selenium
You are using pip version 10.0.1, however version 20.2b1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

(base) C:\Users\ThinkPad>pip install --index https://pypi.mirrors.ustc.edu.cn/simple/ librosa
Looking in indexes: https://pypi.mirrors.ustc.edu.cn/simple/
Collecting librosa
  Downloading https://mirrors.tuna.tsinghua.edu.cn/pypi/web/packages/77/b5/1817862d64a7c231afd15419d8418ae1f000742cae275e85c74b219cbccb/librosa-0.7.2.tar.gz (1.6MB)
    100% |#####| 1.6MB 5.1MB/s
Collecting audioread>=2.0.0 (from librosa)
  Downloading https://mirrors.tuna.tsinghua.edu.cn/pypi/web/packages/2e/0b/940ea7861e0e9049f09dcfd72a9c9ae55f697c17c299a323f0148f913d2/audioread-2.1.8.tar.gz (1.6MB)
    100% |#####| 1.6MB 5.1MB/s
```

2. 然后输入以下命令回车:

```
pip install -i https://mirrors.aliyun.com/pypi/simple/ librosa
```

3. 如果报以下错误:

```
ERROR: Cannot uninstall 'llvmlite'. It is a distutils installed project and thus we cannot accurately determine which files belong to it which would only a partial uninstall.
```

4. 安装时候忽略掉这个已安装的包就好

```
pip install -i https://mirrors.aliyun.com/pypi/simple/ librosa --ignore-installed llvmlite
```

5. 安装中:

```
Anaconda Prompt
Downloading https://mirrors.aliyun.com/pypi/packages/93/fe/955e08f05992cbc549ebae44b56d464e32861d39297efd0aa1743f1c83d3/scipy-1.5.0-cp37-macosx_10_9_x86_64.whl (31.2 MB)
    100% |#####| 31.2 MB 6.8 MB/s
Collecting joblib>=0.12
  Using cached https://mirrors.aliyun.com/pypi/packages/b8/a6/d1a816b89aa1e9e96bcb298b1ee1854f21662ebcd55ffa3d7b3b50122b/joblib-0.15.1-py3-none-any.whl (291 kB)
Collecting scikit-learn!<0.19.0,>=0.14.0
  Downloading https://mirrors.aliyun.com/pypi/packages/70/8e/682770fcd0a47bb56443150bf8d8d7d850459cd7cc412a5311de3abaa4a/scikit_learn-0.23.1-cp37-macosx_10_9_x86_64.whl (6.8 MB)
    100% |#####| 6.8 MB 6.4 MB/s
Collecting soundfile>=0.9.0
  Using cached https://mirrors.aliyun.com/pypi/packages/b8/de/24e4035f06540ebb4e9993238ede787063875b003e79c537511d32a74d29/SoundFile-0.10.3.post1-py3-none-any.whl (689 kB)
Processing c:\users\thinkpad\appdata\local\pip\cache\wheels\2c\3e\21\6024e1d4c5f08de2b127d8d9100f02e80c276ddc95c076fde1\audioread-2.1.8-cp37-macosx_10_9_x86_64.whl (689 kB)
Collecting setuptools
  Downloading https://mirrors.aliyun.com/pypi/packages/e9/93/4860cebd5ad3ff2664ad3c966490ccb46e3b88458b2095145bca11727ca4/setuputils-47.3.1-py3-none-any.whl (582 kB)
    100% |#####| 582 kB 6.4 MB/s
Collecting threadpoolctl>=2.0.0
  Downloading https://mirrors.aliyun.com/pypi/packages/f7/12/ec3f2e203afa394a149911729357aa48affc59c20e2c1c8297a60f33f133/threadpoolctl-2.1.0-py3-none-any.whl (12 kB)
Collecting cffi>=1.0
  Downloading https://mirrors.aliyun.com/pypi/packages/cf/d6/77bafa8180a8ec309a5300296f2855f7d58c0530d2e4a39064ae8ab42e4e/cffi-1.14.0-cp37-macosx_10_9_x86_64.whl (176 kB)
    100% |#####| 176 kB 6.8 MB/s
Collecting pycparser
  Downloading https://mirrors.aliyun.com/pypi/packages/ae/e7/d9c3a176ca402024deb82342dab36efadfc5776f9c8db077e8f6e71821/pycparser-2.20-py2.py3-none-any.whl (112 kB)
    100% |#####| 112 kB ...
Installing collected packages: decorator, numpy, scipy, six, setuptools, llvmlite, numba, resampy, joblib, threadpoolctl, scikit-learn, pycparser, audioread, librosa
Successfully installed audioread-2.1.8 cffi-1.14.0 decorator-4.4.2 joblib-0.15.1 librosa-0.7.2 llvmlite-0.33.0 numba-0.50.1 numpy-1.19.0 pycparser-2.20 resampy-3.10.0 scikit-learn-0.23.1 scipy-1.5.0 setuptools-47.3.1 six-1.15.0 soundfile-0.10.3 threadpoolctl-2.1.0
```

6. 安装完成, 输入以下命令就能在列表看见你新安装的包了

```
pip list
```

ipywidgets	7.4.1
isort	4.3.4
itsdangerous	0.24
jdcal	1.4
jedi	0.12.1
Jinja2	2.10
joblib	0.15.1
jsonschema	2.6.0
jupyter	1.0.0
jupyter-client	5.2.3
jupyter-console	5.2.0
jupyter-core	4.4.0
jupyterlab	0.34.9
jupyterlab-launcher	0.13.1
keyring	13.2.1
kiwisolver	1.0.1
lazy-object-proxy	1.3.1
librosa	0.7.2
llvmlite	0.33.0
locket	0.2.0
lxml	4.2.5
MarkupSafe	1.0
matplotlib	2.2.3
mccabe	0.6.1
menuinst	1.4.14
mistune	0.8.3
mkl-fft	1.0.4
mkl-random	1.0.1
more-itertools	4.3.0
mpmath	1.0.0
msgpack	0.5.6
multipledispatch	0.6.0
navigator-updater	0.2.1
nbconvert	5.4.0
nbformat	4.4.0
networkx	2.1
nlTK	3.3

7. 之后的jupyter中会用到它