

Installing jupyter notebook

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19045.2846]
(c) Microsoft Corporation. All rights reserved.

(base) C:\Users\Darren>conda install -y jupyter
Collecting package metadata (current_repodata.json): done
Solving environment: done

## Package Plan ##

  environment location: C:\Users\Darren\anaconda3

  added / updated specs:
    - jupyter

The following packages will be downloaded:

package | build
-----|-----
boltons-23.0.0 | py39haa95532_0 421 KB
conda-23.3.1 | py39haa95532_0 972 KB
jsonpatch-1.32 | pyhd3eb1b0_0 15 KB
jsonpointer-2.1 | pyhd3eb1b0_0 9 KB
-----|-----
Total: 1.4 MB

The following NEW packages will be INSTALLED:

boltons pkgs/main/win-64::boltons-23.0.0-py39haa95532_0
jsonpatch pkgs/main/noarch::jsonpatch-1.32-pyhd3eb1b0_0
jsonpointer pkgs/main/noarch::jsonpointer-2.1-pyhd3eb1b0_0

The following packages will be UPDATED:

conda 23.1.0-py39haa95532_0 --> 23.3.1-py39haa95532_0

Downloading and Extracting Packages

Preparing transaction: done
Verifying transaction: done
Executing transaction: done

(base) C:\Users\Darren>
```

```
C:\Windows\system32\cmd.exe - conda env create -f tensorflow.yml -n tensorflowml

python-3.8.16 | 18.9 MB | ##### | 100%
libprotobuf-c-1.0.9 | 233 KB | ##### | 100%
babel-2.11.0 | 6.8 MB | ##### | 100%
ipywidgets-8.0.4 | 199 KB | ##### | 100%
brotli-1.0.9 | 18 KB | ##### | 100%
cupsieve-2.4 | 70 KB | ##### | 100%
pywin32-305 | 10.7 MB | ##### | 100%
wincertstore-0.2 | 15 KB | ##### | 100%
comm-0.1.2 | 14 KB | ##### | 100%
qt-webengine-5.15.9 | 48.9 MB | ##### | 100%
qtconsole-5.4.0 | 209 KB | ##### | 100%
pysistent-0.18.0 | 89 KB | ##### | 100%
boto3-1.24.28 | 114 KB | ##### | 100%
scikit-learn-1.2.2 | 6.5 MB | ##### | 100%
pyqt5-sip-12.11.0 | 75 KB | ##### | 100%
notebook-shim-0.2.2 | 23 KB | ##### | 100%
jupyterlab_server-2. | 83 KB | ##### | 100%
jupyter_console-6.6. | 63 KB | ##### | 100%
win_inet_pton-1.1.0 | 35 KB | ##### | 100%
scipy-1.10.1 | 18.8 MB | ##### | 100%
gststreamer-1.18.5 | 1.7 MB | ##### | 100%
jupyter_client-8.1.0 | 196 KB | ##### | 100%
mistune-0.8.4 | 55 KB | ##### | 100%
glib-2.69.1 | 1.8 MB | ##### | 100%
botocore-1.27.59 | 5.7 MB | ##### | 100%

Preparing transaction: done
Verifying transaction: done
Executing transaction: -

Windows 64-bit packages of scikit-learn can be accelerated using scikit-learn-intelex.
More details are available here: https://intel.github.io/scikit-learn-intelex

For example:

$ conda install scikit-learn-intelex
$ python -m sklearn my_application.py

done
Installing pip dependencies: /
```

```
C:\Windows\system32\cmd.exe
Building wheel for kaggle (setup.py): finished with status 'done'
Created wheel for kaggle: filename=kaggle-1.5.13-py3-none-any.whl size=77731 sha256=52d1105029e5f60aae850b5a965628c4c7656f35573f8e1abea4dd277413344
Stored in directory: c:\users\darren\appdata\local\pip\cache\wheels\e6\8e\67\e07554a720a493d6b39b30488590ba92ed45448ad0134d253
Building wheel for termcolor (setup.py): started
Building wheel for termcolor (setup.py): finished with status 'done'
Created wheel for termcolor: filename=termcolor-1.1.0-py3-none-any.whl size=4855 sha256=9dfff7c70d17aac580e23d4231c865ed851d76d8a759b6d53a5cf8c3b798b624a
Stored in directory: c:\users\darren\appdata\local\pip\cache\wheels\16\9c\5473df82468f958445479c59e784896fa24f4a5f8e024b0f501
Building wheel for wrapt (setup.py): started
Building wheel for wrapt (setup.py): finished with status 'done'
Created wheel for wrapt: filename=wrapt-1.12.1-py3-none-any.whl size=19597 sha256=cd20eb009233e807cc6d461fbc01eda3a1b4a966c083515ff81de8d398f7455
Stored in directory: c:\users\darren\appdata\local\pip\cache\wheels\5f\fd\9e\bbcf5896494cb8ef0b5eaff72e5d55a70fb56316007d6dfe73
Successfully built gym kaggle termcolor wrapt
Installing collected packages: wrapt, typing-extensions, text-unidecode, termcolor, tensorflow-estimator, tensorboard-plugin-wit, pyasn1, gym-notices, flatbuffers, tensorboard-data-server, six, rsa, python-slugify, pyasn1-modules, protobuf, oauthlib, numpy, gast, cloudpickle, cachetools, requests-oauthlib, opt-einsum, markdown, keras-preprocessing, h5py, gym, grpcio, google-pasta, google-auth, astunparse, absl-py, kaggle, tensorflow
Attempting uninstall: typing-extensions
  Found existing installation: typing-extensions 4.4.0
  Uninstalling typing-extensions-4.4.0:
    Successfully uninstalled typing-extensions-4.4.0
Attempting uninstall: six
  Found existing installation: six 1.16.0
  Uninstalling six-1.16.0:
    Successfully uninstalled six-1.16.0
Attempting uninstall: numpy
  Found existing installation: numpy 1.23.5
  Uninstalling numpy-1.23.5:
    Successfully uninstalled numpy-1.23.5
Attempting uninstall: h5py
  Found existing installation: h5py 3.7.0
  Uninstalling h5py-3.7.0:
    Successfully uninstalled h5py-3.7.0
Successfully installed absl-py-0.15.0 astunparse-1.6.3 bayesian-optimization-1.4.2 cachetools-5.3.0 cloudpickle-2.2.1 flatbuffers-1.12 gast-0.3.3 google-auth-2.17.3 google-auth-oauthlib-0.4.6 google-pasta-0.2.0 grpcio-1.32.0 gym-0.26.2 gym-notices-0.0.8 h5py-2.10.0 kaggle-1.5.13 keras-preprocessing-1.1.2 markdown-3.4.3 numpy-1.19.5 oauthlib-3.2.2 opt-einsum-3.3.0 protobuf-3.20.3 pyasn1-0.4.8 pyasn1-modules-0.2.8 python-slugify-8.0.1 requests-oauthlib-1.3.1 rsa-4.9 six-1.15.0 tensorboard-2.11.2 tensorboard-data-server-0.6.1 tensorboard-plugin-wit-1.8.1 tensorflow-2.4.0 tensorflow-estimator-2.4.0 termcolor-1.1.0 text-unidecode-1.3 typing-extensions-3.7.4.3 wrapt-1.12.1
done
#
# To activate this environment, use
#
#     $ conda activate tensorflowml
#
# To deactivate an active environment, use
#
#     $ conda deactivate
#

(base) C:\Users\Darren>
```

Activate tensorflow

```
(base) C:\Users\Darren>$ conda activate tensorflow
'$' is not recognized as an internal or external command,
operable program or batch file.

(base) C:\Users\Darren>conda activate tensorflowml

(tensorflowml) C:\Users\Darren>
```

Install nb_conda

```
(tensorflowml) C:\Users\Darren>conda install nb_conda
Collecting package metadata (current_repodata.json): done
Solving environment: done

## Package Plan ##

  environment location: C:\Users\Darren\anaconda3\envs\tensorflowml

  added / updated specs:
    - nb_conda

The following packages will be downloaded:



| package                | build          |       |
|------------------------|----------------|-------|
| nb_conda-2.2.1         | py38_1         | 34 KB |
| nb_conda_kernels-2.3.1 | py38haa95532_0 | 28 KB |
| Total:                 |                | 62 KB |



The following NEW packages will be INSTALLED:

  nb_conda             pkgs/main/win-64::nb_conda-2.2.1-py38_1
  nb_conda_kernels     pkgs/main/win-64::nb_conda_kernels-2.3.1-py38haa95532_0

Proceed ([y]/n)? y

Downloading and Extracting Packages

Preparing transaction: done
Verifying transaction: done
Executing transaction: | Enabling nb_conda_kernels...
CONDA_PREFIX: C:\Users\Darren\anaconda3\envs\tensorflowml
Status: enabled

| Config option `kernel_spec_manager_class` not recognized by `EnableNBExtensionApp`.
Enabling notebook extension nb_conda/main...
  - Validating: ok
Enabling tree extension nb_conda/tree...
  - Validating: ok
Config option `kernel_spec_manager_class` not recognized by `EnableServerExtensionApp`.
Enabling: nb_conda
- Writing config: C:\Users\Darren\anaconda3\envs\tensorflowml\etc\jupyter
  - Validating...
    nb_conda 2.2.1 ok
```


