

Anaconda-Installation 2022-2023

Configuration and Implementation Proposal

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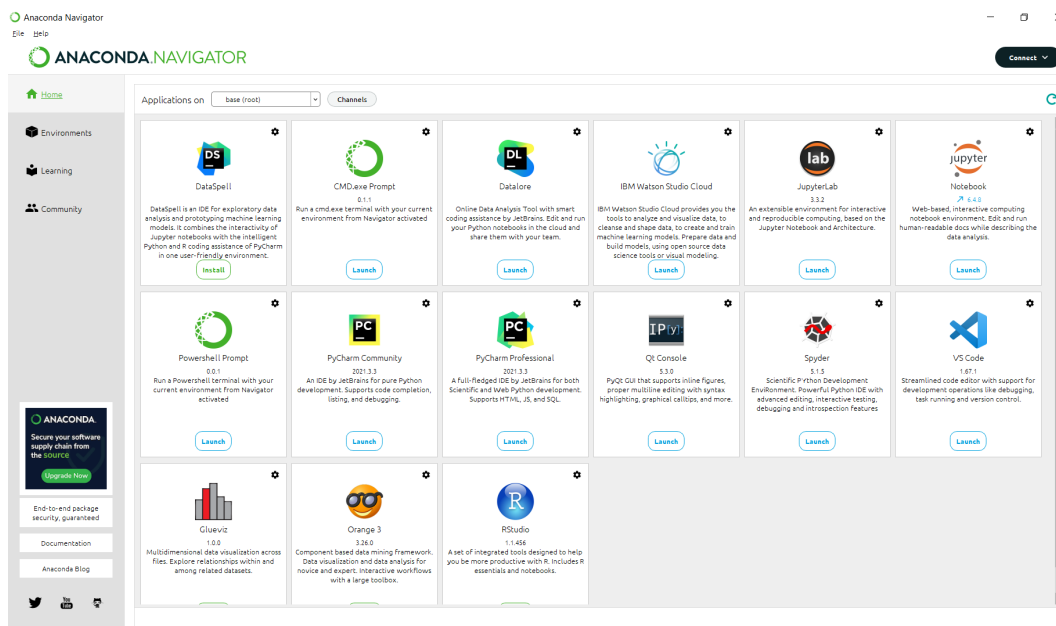
version: May 29, 2022

Introduction

[Python](#) is a programming language enjoying an ever growing application in our Bachelor, Master and PhD curriculums across all faculties. In order to prevent campus-wide cluttering due to a mismatch of versions and configurations, [ICT-WPS](#) offers a centrally agreed, prepared and distributed Python installation, which can be downloaded by staff and students, and will also be used in the DigitalExam environment, for on-campus exams.

The basis for this installation is [Anaconda](#), which apart from Python(3) itself, also includes (amongst others) IPython, Jupyter, R, Spyder, and Visual Studio Code. A carefully prepared installation of Anaconda will be made available to staff and students of the TU Delft at its [central software site](#), for common educational purposes at the TU Delft. Once agreed, prepared and tested, this Anaconda installation will be kept frozen throughout the entire academic year. Of course, local installations can be changed and extended, but these changes will not be mirrored in the DigitalExam environment during the year.

We customary base the installation for the next academic year on the latest version of Anaconda, currently the 2022.05 version of May 2022, running Python 3.9.12, the [Release info](#) of which can be found online.



Anaconda Navigator version 2022.05

Proposal

What we propose is this:

1. we replace the current Anaconda-installation by the [Anaconda Individual Edition version 2022.05](#), running Python 3.9.12

2. to configure this installation such that it can be used with Spyder, JupyterLab and Jupyter Notebook, and Visual Studio Code and PyCharm
3. to complement this configuration with packages needed by you for educational purposes
4. release this installation through [the central software site of TU Delft](#) for staff and students

You are asked:

1. to send us asap **a reply email** saying you AGREE/DISAGREE with this Proposal;
2. to tick packages below in the **ANNEX** you want to be included in the `base` environment (the standard installation, say), and supplement the **ANNEX** by adding packages (*packages*, *modules*) currently missing from the list but needed by you.

We will then process your response. If needed, we contact you directly. If you want to be involved in testing of the final installation, please let us know, in your reply.

During the 2022-2023 Curriculum

As stated, once accepted and released, the version of Anaconda 2022-2023 **will be frozen throughout the academic year**. This is a critical demand holding for the Digital Exam Environment.

Please respond asap.

Feel free to provide us with your needs for additional packages.

We may have missed colleagues who should also have received this emailed, but are not on the mailing list. Please feel free to forward this email, as you see fit.

ANNEX: list of packages 'electable' for the `base -` environment

PACKAGE NAME	VERSION
<code>_ipyw_jlab_nb_ext_conf</code>	0.1.0
<code>aiohttp</code>	3.8.1
<code>aiosignal</code>	1.2.0
<code>alabaster</code>	0.7.12
<code>anaconda</code>	2022.05
<code>anaconda-client</code>	1.9.0
<code>anaconda-navigator</code>	2.2.0
<code>anaconda-project</code>	0.10.2
<code>anyio</code>	3.5.0
<code>appdirs</code>	1.4.4
<code>argon2-cffi</code>	21.3.0
<code>argon2-cffi-bindings</code>	21.2.0
<code>arrow</code>	1.2.2
<code>astroid</code>	2.6.6
<code>astropy</code>	5.0.4
<code>asttokens</code>	2.0.5
<code>async-timeout</code>	4.0.1
<code>atomicwrites</code>	1.4.0
<code>attrs</code>	21.4.0
<code>automat</code>	20.2.0
<code>autopep8</code>	1.6.0
<code>babel</code>	2.9.1
<code>backcall</code>	0.2.0
<code>backports</code>	1.1
<code>backports.functools_lru_cache</code>	1.6.4
<code>backports.tempfile</code>	1.0
<code>backports.weakref</code>	1.0.post1

PACKAGE NAME	VERSION
bcrypt	3.2.0
beautifulsoup4	4.11.1
binaryornot	0.4.4
bitarray	2.4.1
bkcharts	0.2
black	19.10b0
blas	1.0
bleach	4.1.0
blosc	1.21.0
bokeh	2.4.2
boto3	1.21.32
botocore	1.24.32
bottleneck	1.3.4
brotili	1.0.9
brotilpy	0.7.0
bzip2	1.0.8
ca-certificates	2022.3.29
cachetools	4.2.2
certifi	2021.10.8
cffi	1.15.0
cfitsio	3.470
chardet	4.0.0
charls	2.2.0
charset-normalizer	2.0.4
click	8.0.4
cloudpickle	2.0.0
clyent	1.2.2
colorama	0.4.4
colorcet	2.0.6
comtypes	1.1.10
conda	4.12.0

PACKAGE NAME	VERSION
conda-build	3.21.8
conda-content-trust	0.1.1
conda-env	2.6.0
conda-pack	0.6.0
conda-package-handling	1.8.1
conda-repo-cli	1.0.4
conda-token	0.3.0
conda-verify	3.4.2
console_shortcut	0.1.1
constantly	15.1.0
cookiecutter	1.7.3
cryptography	3.4.8
cssselect	1.1.0
curl	7.82.0
cycler	0.11.0
cython	0.29.28
cytoolz	0.11.0
daal4py	2021.5.0
dal	2021.5.0
dask	2022.2.1
dask-core	2022.2.1
dataclasses	0.8
datashader	0.13.0
datashape	0.5.4
debugpy	1.5.1
decorator	5.1.1
defusedxml	0.7.1
diff-match-patch	20200713
distributed	2022.2.1
docutils	0.17.1
entrypoints	0.4

PACKAGE NAME	VERSION
et_xmlfile	1.1.0
executing	0.8.3
filelock	3.6.0
flake8	3.9.2
flask	1.1.2
fonttools	4.25.0
freetype	2.10.4
frozenset	1.2.0
fsspec	2022.2.0
future	0.18.2
gensim	4.1.2
giflib	5.2.1
glob2	0.7
google-api-core	1.25.1
google-auth	1.33.0
google-cloud-core	1.7.1
google-cloud-storage	1.31.0
google-crc32c	1.1.2
google-resumable-media	1.3.1
googleapis-common-protos	1.53.0
greenlet	1.1.1
grpcio	1.42.0
h5py	3.6.0
hdf5	1.10.6
heapdict	1.0.1
holoviews	1.14.8
hvplot	0.7.3
hyperlink	21.0.0
icc_rt	2019.0.0
icu	58.2
idna	3.3

PACKAGE NAME	VERSION
imagecodecs	2021.8.26
imageio	2.9.0
imagesize	1.3.0
importlib-metadata	4.11.3
importlib_metadata	4.11.3
incremental	21.3.0
inflection	0.5.1
iniconfig	1.1.1
intake	0.6.5
intel-openmp	2021.4.0
intervaltree	3.1.0
ipykernel	6.9.1
ipython	8.2.0
ipython_genutils	0.2.0
ipywidgets	7.6.5
isort	5.9.3
itemadapter	0.3.0
itemloaders	1.0.4
itsdangerous	2.0.1
jdcal	1.4.1
jedi	0.18.1
jinja2	2.11.3
jinja2-time	0.2.0
jmespath	0.10.0
joblib	1.1.0
jpeg	9e
jq	1.6
json5	0.9.6
jsonschema	4.4.0
jupyter	1.0.0
jupyter_client	6.1.12

PACKAGE NAME	VERSION
jupyter_console	6.4.0
jupyter_core	4.9.2
jupyter_server	1.13.5
jupyterlab	3.3.2
jupyterlab_pygments	0.1.2
jupyterlab_server	2.10.3
jupyterlab_widgets	1.0.0
keyring	23.4.0
kiwisolver	1.3.2
lazy-object-proxy	1.6.0
lcms2	2.12
lerc	3.0
libaec	1.0.4
libarchive	3.4.2
libcrc32c	1.1.1
libcurl	7.82.0
libdeflate	1.8
libiconv	1.16
liblief	0.11.5
libpng	1.6.37
libprotobuf	3.19.1
libspatialindex	1.9.3
libssh2	1.10.0
libtiff	4.2.0
libwebp	1.2.2
libxml2	2.9.12
libxslt	1.1.34
libzopfli	1.0.3
llvmlite	0.38.0
locket	0.2.1
lxml	4.8.0

PACKAGE NAME	VERSION
lz4-c	1.9.3
lzo	2.10
m2w64-libwinpthread-git	5.0.0.4634.697f757
markdown	3.3.4
markupsafe	2.0.1
matplotlib	3.5.1
matplotlib-base	3.5.1
matplotlib-inline	0.1.2
mccabe	0.6.1
menuinst	1.4.18
mistune	0.8.4
mkl	2021.4.0
mkl-service	2.4.0
mkl_fft	1.3.1
mkl_random	1.2.2
mock	4.0.3
mpmath	1.2.1
msgpack-python	1.0.2
msys2-conda-epoch	
multidict	5.1.0
multipledispatch	0.6.0
munkres	1.1.4
mypy_extensions	0.4.3
navigator-updater	0.2.1
nbclassic	0.3.5
nbclient	0.5.13
nbconvert	6.4.4
nbformat	5.3.0
nest-asyncio	1.5.5
networkx	2.7.1
nltk	3.7

PACKAGE NAME	VERSION
nose	1.3.7
notebook	6.4.8
numba	0.55.1
numexpr	2.8.1
numpy	1.21.5
numpy-base	1.21.5
numpydoc	1.2
olefile	0.46
openjpeg	2.4.0
openpyxl	3.0.9
openssl	1.1.1n
packaging	21.3
pandas	1.4.2
pandocfilters	1.5.0
panel	0.13.0
param	1.12.0
paramiko	2.8.1
parsel	1.6.0
parso	0.8.3
partd	1.2.0
pathspec	0.7.0
patsy	0.5.2
pep8	1.7.1
pexpect	4.8.0
pickleshare	0.7.5
pillow	9.0.1
pip	21.2.4
pkginfo	1.8.2
plotly	5.6.0
pluggy	1.0.0
powershell_shortcut	0.0.1

PACKAGE NAME	VERSION
poyo	0.5.0
prometheus_client	0.13.1
prompt-toolkit	3.0.20
prompt_toolkit	3.0.20
protego	0.1.16
protobuf	3.19.1
psutil	5.8.0
ptyprocess	0.7.0
pure_eval	0.2.2
py	1.11.0
py-lief	0.11.5
pyasn1	0.4.8
pyasn1-modules	0.2.8
pycodestyle	2.7.0
pycosat	0.6.3
pycparser	2.21
pyct	0.4.6
pycurl	7.44.1
pydispatcher	2.0.5
pydocstyle	6.1.1
pyerfa	2.0.0
pyflakes	2.3.1
pygments	2.11.2
pyhamcrest	2.0.2
pyjwt	2.1.0
pylint	2.9.6
pyls-spyder	0.4.0
pynacl	1.4.0
pyodbc	4.0.32
pyopenssl	21.0.0
pyparsing	3.0.4

PACKAGE NAME	VERSION
pyqt	5.9.2
pyreadline	2.1
pyrsistent	0.18.0
pysocks	1.7.1
pytables	3.6.1
pytest	7.1.1
python	3.9.12
python-dateutil	2.8.2
python-fastjsonschema	2.15.1
python-libarchive-c	2.9
python-lsp-black	1.0.0
python-lsp-jsonrpc	1.0.0
python-lsp-server	1.2.4
python-slugify	5.0.2
python-snappy	0.6.0
pytz	2021.3
pyviz_comms	2.0.2
pywavelets	1.3.0
pywin32	302
pywin32-ctypes	0.2.0
pywinpty	2.0.2
pyyaml	6.0
pymq	22.3.0
qdarkstyle	3.0.2
qstylizer	0.1.10
qt	5.9.7
qtawesome	1.0.3
qtconsole	5.3.0
qtpy	2.0.1
queuelib	1.5.0
regex	2022.3.15

PACKAGE NAME	VERSION
requests	2.27.1
requests-file	1.5.1
rope	0.22.0
rsa	4.7.2
rtree	0.9.7
ruamel_yaml	0.15.100
s3transfer	0.5.0
scikit-image	0.19.2
scikit-learn	1.0.2
scikit-learn-intelex	2021.5.0
scipy	1.7.3
scrapy	2.6.1
seaborn	0.11.2
send2trash	1.8.0
service_identity	18.1.0
setuptools	61.2.0
sip	4.19.13
six	1.16.0
smart_open	5.1.0
snappy	1.1.9
sniffio	1.2.0
snowballstemmer	2.2.0
sortedcollections	2.1.0
sortedcontainers	2.4.0
soupsieve	2.3.1
sphinx	4.4.0
sphinxcontrib-applehelp	1.0.2
sphinxcontrib-devhelp	1.0.2
sphinxcontrib-htmlhelp	2.0.0
sphinxcontrib-jsmath	1.0.1
sphinxcontrib-qthelp	1.0.3

PACKAGE NAME	VERSION
sphinxcontrib-serializinghtml	1.1.5
spyder	5.1.5
spyder-kernels	2.1.3
sqlalchemy	1.4.32
sqlite	3.38.2
stack_data	0.2.0
statsmodels	0.13.2
sympy	1.10.1
tabulate	0.8.9
tbb	2021.5.0
tbb4py	2021.5.0
tblib	1.7.0
tenacity	8.0.1
terminado	0.13.1
testpath	0.5.0
text-unidecode	1.3
textdistance	4.2.1
threadpoolctl	2.2.0
three-merge	0.1.1
tifffile	2021.7.2
tinycss	0.4
tk	8.6.11
tlextract	3.2.0
toml	0.10.2
tomli	1.2.2
toolz	0.11.2
tornado	6.1
tqdm	4.64.0
traitlets	5.1.1
twisted	22.2.0
twisted-iocpsupport	1.0.2

PACKAGE NAME	VERSION
typed-ast	1.4.3
typing-extensions	4.1.1
tzdata	2022a
ujson	5.1.0
unidecode	1.2.0
urllib3	1.26.9
vc	14.2
vs2015_runtime	14.27.29016
w3lib	1.21.0
watchdog	2.1.6
wcwidth	0.2.5
webencodings	0.5.1
websocket-client	0.58.0
werkzeug	2.0.3
wheel	0.37.1
widetsnbextension	3.5.2
win_inet_pton	1.1.0
win_unicode_console	0.5
wincertstore	0.2
winpty	0.4.3
wrapt	1.12.1
xarray	0.20.1
xlrd	2.0.1
xlsxwriter	3.0.3
xlwings	0.24.9
xz	5.2.5
yaml	0.2.5
yapf	0.31.0
yarl	1.6.3
zfp	0.5.5
zict	2.0.0

PACKAGE NAME	VERSION
zipp	3.7.0
zlib	1.2.12
zope	1.0
zope.interface	5.4.0
zstd	1.4.9

Is your package not in the above table? Simply add it in your reply email. We will try to find and integrate it.

