

 joblib

Public

9 Branches

87 Tags

Go to file

t

Go to file

About

Add file

Code

3 people

ENH safer cache write in distribut...

06/26/2016

last month

1,584 Commits

github/workflows	RELEASE 1.5 (#17...	last month
benchmarks	MNT Add isort to l...	4 months ago
continuous...	CI Simplify free-th...	2 months ago
doc	DOC Add note ab...	last month
examples	MNT Add isort to l...	4 months ago
joblib	ENH safer cache ...	last month
.codecov.yml	[MRG] Fix a race c...	5 years ago
.git-blame-i...	MNT add isort PR ...	4 months ago
.gitignore	MNT remove root ...	4 months ago
.mailmap	MTN configure pr...	4 months ago
.pre-commi...	MNT Enable ruff f...	4 months ago
.readthedo...	MNT remove pillo...	5 months ago
.readthedo...	MNT Specify expli...	6 months ago
CHANGES.rst	ENH safer cache ...	last month
CITATION.cff	MNT add CITATIO...	4 months ago
LICENSE.txt	Release 1.1.0	4 years ago
MANIFEST.in	Make sure sdist s...	17 years ago
Makefile	ENH add initializer...	7 years ago
README.rst	MNT make Python...	4 months ago
SECURITY....	MNT Add link to c...	4 months ago
TODO.rst	MTN configure pr...	4 months ago
conftest.py	MNT Add isort to l...	4 months ago
pyproject.t...	Bump vendored lo...	3 months ago

Computing with Python functions.

[joblib.readthedocs.org](https://joblib.readthedocs.org)

[#python](#) [#caching](#) [#memoization](#)  
[#multiprocessing](#) [#parallel-computing](#)  
[#threading](#)

- Readme
- BSD-3-Clause license
- Security policy
- Cite this repository
- Activity
- Custom properties
- 4.1k stars
- 62 watching
- 432 forks
- Report repository

Releases 7

1.5.1 Latest  
last month

+ 6 releases

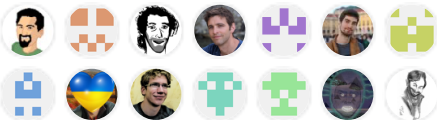
Packages

No packages published

Used by 701k

 + 701,448

Contributors 130



+ 116 contributors

Deployments 14

✓ testpypi last month

✓ pypi last month

[+ 12 deployments](#)

**pypi package 1.5.1**  **CI passing** **docs passing**  **codecov 96%**

The homepage of joblib with user documentation is located on:

<https://joblib.readthedocs.io>

## Getting the latest code

To get the latest code using git, simply type:

```
git clone https://github.com/joblib/joblib.git
```

If you don't have git installed, you can download a zip of the latest code: <https://github.com/joblib/joblib/archive/refs/heads/main.zip>

## Installing

You can use pip to install joblib from any directory:

```
pip install joblib
```

or install it in editable mode from the source directory:

```
pip install -e .
```

## Dependencies

- Joblib has no mandatory dependencies besides Python (supported versions are 3.9+).
- Joblib has an optional dependency on Numpy (at least version 1.6.1) for array manipulation.
- Joblib includes its own vendored copy of [loky](#) for process management.
- Joblib can efficiently dump and load numpy arrays but does not require numpy to be installed.
- Joblib has an optional dependency on [python-lz4](#) as a faster alternative to zlib and gzip for compressed serialization.
- Joblib has an optional dependency on psutil to mitigate memory leaks in parallel worker processes.
- Some examples require external dependencies such as pandas. See the instructions in the [Building the docs](#) section for details.

## Workflow to contribute

To contribute to joblib, first create an account on [github](#). Once this is done, fork the [joblib repository](#) to have your own repository, clone it using `git clone`. Make your changes in a branch of your clone, push them to your github account. test them locally. and when you are

### Languages

● Python 99.2% ● Other 0.8%






happy with them, send a pull request to the main repository.

You can use [pre-commit](#) to run code style checks before each commit:

```
pip install pre-commit
pre-commit install
```

pre-commit checks can be disabled for a single commit with:

```
git commit -n
```

 **README**  BSD-3-Clause license  Security  

To run the test suite, you need the pytest (version  $\geq 3$ ) and coverage modules. Run the test suite using:

```
pytest joblib
```

from the root of the project.

## Building the docs

To build the docs you need to have sphinx ( $\geq 1.4$ ) and some dependencies installed:

```
pip install -U -r .readthedocs-requirements.txt
```

The docs can then be built with the following command:

```
make doc
```

The html docs are located in the `doc/_build/html` directory.

## Making a source tarball

To create a source tarball, eg for packaging or distributing, run the following command:

```
pip install build
python -m build --sdist
```

The tarball will be created in the dist directory. This command will create the resulting tarball that can be installed with no extra dependencies than the Python standard library.

## Making a release and uploading it to PyPI

This command is only run by project manager, to make a release, and upload in to PyPI:

```
pip install build
```

```
pip install build
python -m build --sdist --wheel
twine upload dist/*
```

Note that the documentation should automatically get updated at each git push. If that is not the case, try building the doc locally and resolve any doc build error (in particular when running the examples).

## Updating the changelog

---

Changes are listed in the CHANGES.rst file. They must be manually updated but, the following git command may be used to generate the lines:

```
git log --abbrev-commit --date=short --no-merges --sparse
```