

Buld instructions

Prerequisites

- Visual Studio Code
 - Python (Microsoft) v2024.16.1 Extension
 - Python Debugger (Microsoft) v2024.10.00
 - Pylance (Microsoft) v2024.10.01 Extension
 - Markdown Preview Github Styling (Matt Bierner) v2.1.0 Extension
- Python ≥ 3.11
 - pip (must be accessible from commandline)
Note: ensure that the pip package is installed `python -m ensurepip --upgrade`
 - pipreqs (must be accessible from commandline)
Note: ensure that the pipreqs package is installed `pip install pipreqs`
 - build (must be accessible from commandline)
Note: ensure that the build package is installed `pip install build`
 - setuptools
 - numpy (for tests only)

Create requirements file

Create or update requirements.txt

```
pipreqs ./ioiocore --force
```

Build

Update version number:

```
./ioiocore/__version__.py
```

build wheel:

```
python -m build
```

distributables are built to the `./dist` folder

Upload to pypi

Upload to pypi using the following command:

```
python -m twine upload --repository pypi dist/*
```

Installation

Manual installation

Copy `.whl` file from `./dist` folder and install from command line:

```
pip install ioiocore-0.0.1-py3-none-any.whl
```

Installation using PyPi

Package can be downloaded, installed and updated via pypi if uploaded ([Upload to pypi](#)).

```
pip install ioiocore
```

```
pip install ioiocore --upgrade
```

Uninstall

```
pip uninstall ioiocore
```

Run tests

Go to project base folder and execute:

```
python ./test/run_all.py
```