

Abstract

This guide shows the steps to maintain the WOWA Python package. Details regarding packaging can be found in (Velasquez, 2021).

Download and test the latest version of the WOWA Python package from PyPI

1. Log in to [PyPI](#), user = Gleb_pypi, password = Gleb_pypi@deakin42
2. Click on “Manage WOWA/Download files”, unpack wowa*.gz on local machine
3. Run Unit Test: open WOWA home in Terminal, run `$ python tests/test.py`
4. Verify that all scenarios pass the Unit Test

Update Package contents

1. Increment version: Open setup.py, in section “setup” increment “version=x.xx”
2. Update C++ source code in: src/wowa.cpp
3. Update Python wrapper code in: src/wowa.py, Unit test in: tests/test.py
4. Update PyPI Project description in: Readme.md

Build and Unit Test new Package version on local machine

1. Build command: `$ python setup.py bdist_wheel`
2. Install on local machine: `$ pip install -e .`
3. Unit Test: `$ python tests/test.py`

Upload new version of Python WOWA package to PyPI

1. Create new package: `python setup.py bdist_wheel sdist`
2. Upload to PyPI: `twine upload --skip-existing dist/* -u Gleb_pypi -p`

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References

Velasquez, S. (2021). *Packaging and Publishing CFFI Python Libraries on PyPI*.

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