

## Abstract

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

### Download and test the latest version of the WOVA Python package from PyPI

1. Log in to [PyPI](#), user = Gleb\_pypi, password = Gleb\_pypi@deakin42
2. Click on “Manage WOVA/Download files”, unpack wowa\*.gz on local machine
3. Run Unit Test: open WOVA 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. 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 WOVA 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`

Gleb\_pypi@deakin42

## References

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

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