

Python Tools for the VO Generation

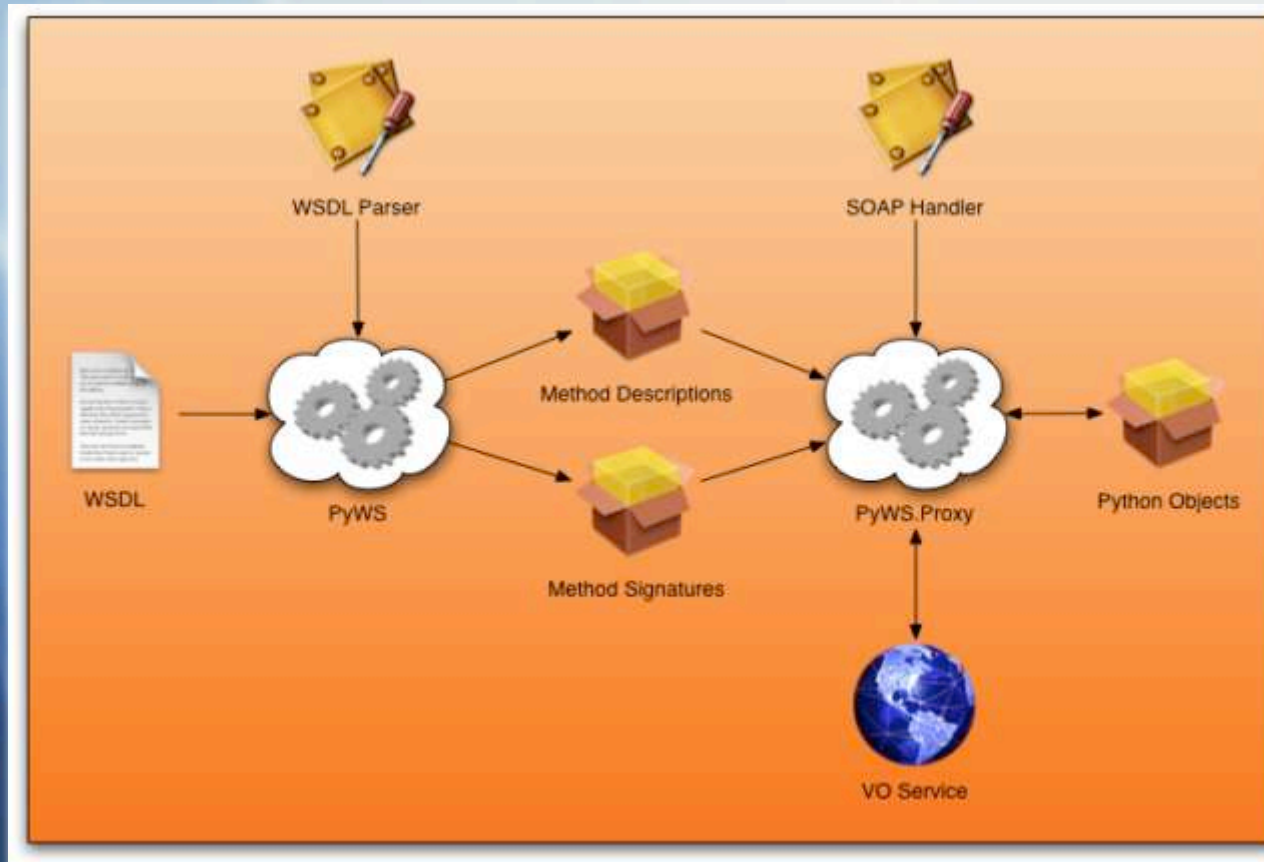
F. Pierfederici



*PyWS: a Python SOAP Toolkit for
Inspecting and Consuming VO
WebServices.*



Workflow



Usage

- PyWS creates a local proxy to the remote application.
- User code calls methods on the local (Python) object.
- Results are returned as Python objects.
- Communications with the remote app via SOAP (behind the scenes).

Status

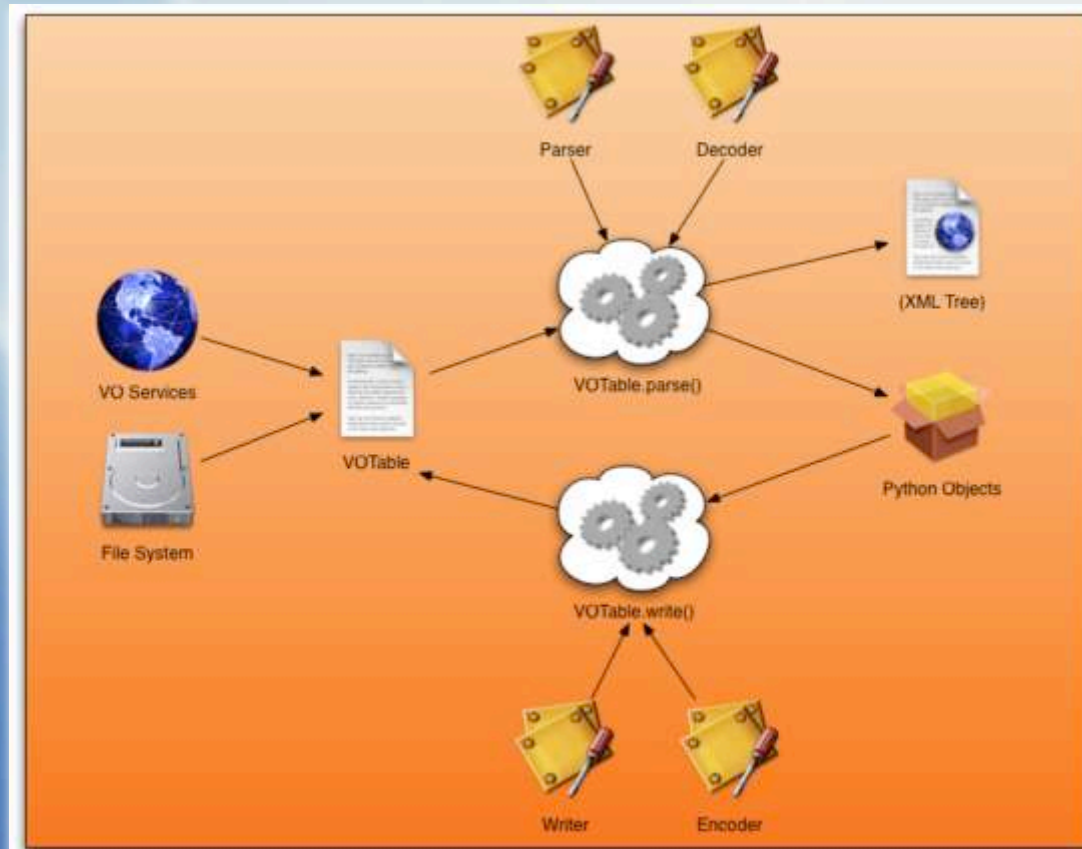
- Code *not* publicly available yet.
- Self contained package.
- Stable and fairly complete.
- Supports most VO WSDLs.
- Chokes on Vizier2 Beta WSDL.



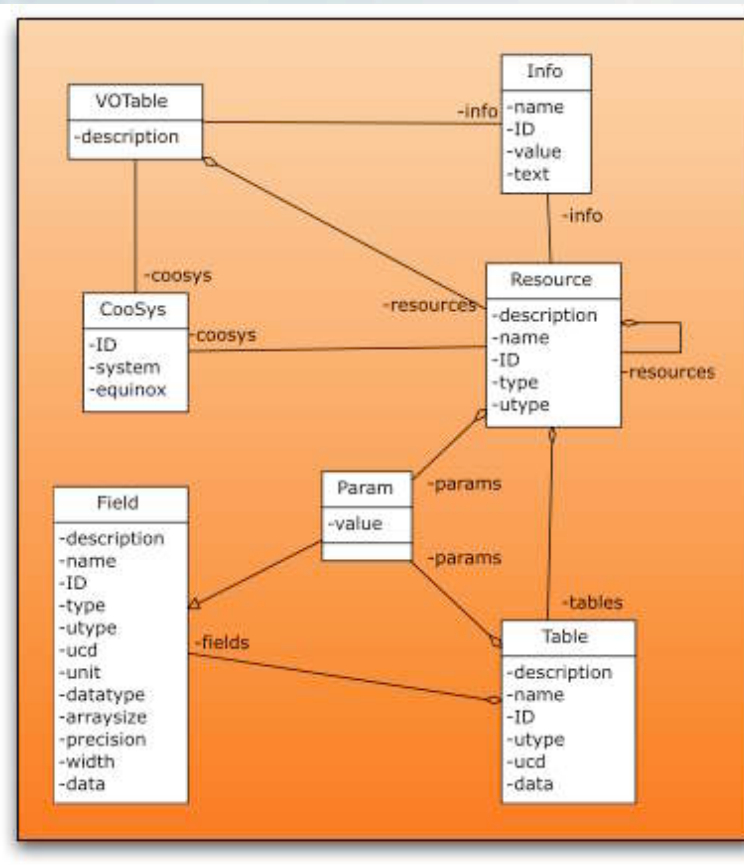
*PyVOTable: a High Performance
Python VOTable Library.*



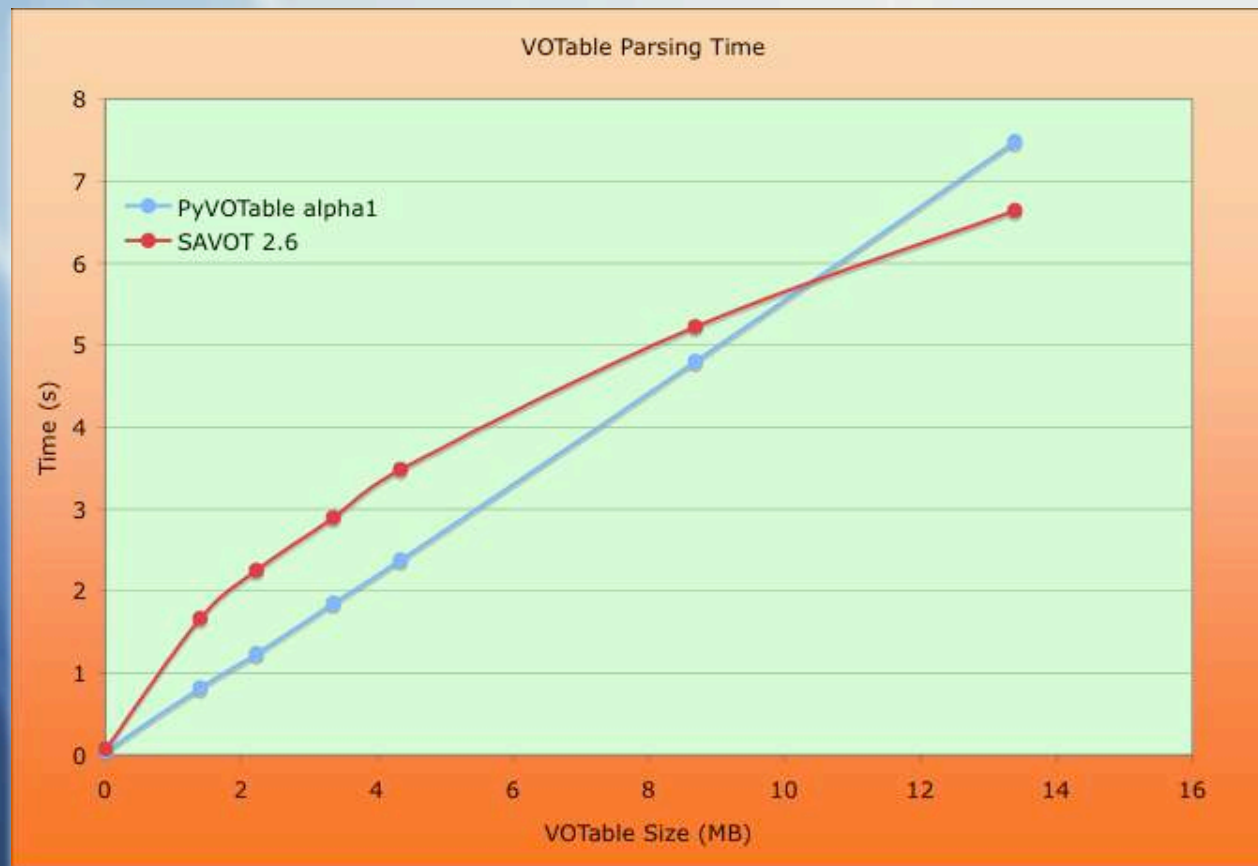
Workflow



Class Diagram



Performance



Status

- PyVOTable 1.0a1 available now at <http://www.euro-vo.org/twiki/bin/view/Avo/PyVOTools>
- Self contained package.
- Fast and stable code.
- Parser reasonable complete.
- Support for ASCII and binary tables (*not* FITS).
- Writer *not* working at the moment.

