Python Tools for the VO Generation

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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
Performance

![Graph showing VOTable Parsing Time vs. VOTable Size (MB)]

- PyVOTable alpha1
- SAVOT 2.6

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Status

- PyVOTable 1.0a1 available now at [http://www.euro-vo.org/twiki/bin/view/Avo/PyVOTools](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.