PyRods
a Python API for iRODS

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PyRods 3.2

- Wrapping of iRODS 3.2
- Wrapping of the client API only
- Independent from iRODS, can be installed without installing iRODS on the client
- Add an object layer on top of the wrapped C API to produce more « pythonic » client scripts
- Simplified installation
- Open Source
- Code will be available at http://code.google.com/p/irodspython
New features

- The code is now based on SWIG:
  - More reliable
  - More efficient
  - Less prone to segmentation fault and memory leaks
  - Easier to maintain to follow iRODS version
  - Other languages can be considered

- Separation Client/Server:
  - Easier to install
  - No requirements to install the client API
The client library

• As far as possible kept similar to the previous version, previous scripts should be usable with minor modifications
• Most of the online documentation will still be valid. It will be updated.
• The new version will be available in March.
EmbedPython 3.2

- Will be improved when the client API is ready
- Based on SWIG
- Will wrap the server API
- Designed as an iRODS module which makes the link between iRODS and Python, allows the execution of microservices written in Python
- Add support for microservices packed in Python packages and stored directly in the datagrid.
- Should be ready before summer.
Requirements from Partner

- Some use cases to test the APIs
- Some requirements to wrap specific parts of the C API which are not exposed for the moment
- Defining a set of regression tests