



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