



Python Core

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Goals of the Project

- Produce a Python implementation of the WSRF/WS-N family of specifications
 - ◆ Includes WS-Security
- Develop necessary higher-level services to support interoperability with the Java WS Core
 - ◆ Delegation, Information, etc.
- Support the Python scientific programming community



Relationship to Other Globus Projects

- Work with the other Core projects to ensure interoperability
 - ◆ Multiple implementations has helped with spec compliance and bug identification
- Developed our own implementation of several higher-level services:
 - ◆ Delegation
 - ◆ Information
- Consume several other services as a client:
 - ◆ GridFTP/RFT, MyProxy, etc.



Current Work

- Developing higher-level services, e.g. Delegation, Information, etc.
 - ◆ Interoperate with the Java implementation
- Major code cleanup to handle changes in the underlying SOAP toolkit
 - ◆ Moved to a 'plugin' based architecture that will support easier customization and changes
- Significant changes to the documentation based on user feedback
 - ◆ Supporting a class at SDSU
- Adding standard logging support



Planned Next Steps

- Integrate GridFTP and MyProxy code from PyGlobus
- Continue developing higher-level services
- Improve documentation
 - ◆ Focus on needs to application community
- Work closely with several application groups
 - ◆ DANSE, Climate, etc.
- Improved development environment
 - ◆ Based on the Python Eclipse support



Critical Issues

- Improved coordination and communication between Core projects
 - ◆ Updating specs, implementation specific details
- Community engagement