

GT4 Component Fact Sheet

Python WS Core

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Component Description

The Python WS Core provides a basic toolset in python for creating WS-RF-enabled web services and clients. It provides doc/literal binding generation from WSDL.

- *July Alpha Release:* Included in this release are server and client binding generation, and support for WS-Resource Lifetime, WS-Resource Properties, WS-Security, and WS-Notification. Adding a service and creating a client is fairly laborious in this release, this will be improved in future release.
- *October Full-Featured Release:* Improved support for the above features in the alpha release, this will include added features for WSDL generation binding generation and higher level client and service generation schemes.

New in GT4

There is improved SOAP and binding generation support from the GT3 release, including more efficient handling of digital signatures. The GT4 implementation also includes service stub generation and WS-Security support.

Backward Compatibility Statement

This implementation will not be backward compatible with any previous GT3 release.

Technology Dependencies

The Python WS core implementation uses the pyGlobus security module for security context negotiation. It is also dependent on the Zolera Soap Infrastructure (ZSI) package included in the release.