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# GT 4.2.1 Release Notes: pyGridWare

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<titleabbrev>Release Notes</titleabbrev>

## 1. Component Overview

pyGridWare, the python WS Core, provides a basic python toolset for creating WSRF enabled web services, proven to interoperate with the Java WSRF. Performance is a primary concern and motivation. This WSRF project realizes a significant speedup by using C implementations at the performance critical security and DOM layers. WSRF support includes WS-Resource Lifetime, WS-Resource Properties, and WS-Notification. Updated security support for WS-Secure Conversation and Secure Message is also included. Client and service stubs have been generated from the most recent OASIS drafts and WS-Secure Conversation specification, but the bindings can be easily regenerated from WSDL via the setup script at install whenever WSDL needs to be updated.

## 2. Feature Summary

Features new in release GT 4.2.1:

- [list features]

Other Supported Features

- [list features]

Deprecated Features

- [list features]

## 3. Changes Summary

No significant changes have been made since the previous stable release.

## 4. Bug Fixes

No bugs were fixed for Python WS Core.

## 5. Known Problems

The following problems and limitations are known to exist for Python WS Core at the time of the 4.2.1 release:

### 5.1. Limitations

- [list limitations]

### 5.2. Known Bugs

No problems are known to exist for Python WS Core at the time of the 4.2.1 release.

## 6. Technology Dependencies

Required (Use newest version if possible):

- [python 2.3](#)<sup>1</sup>
- [pyXML-0.8.4](#)<sup>2</sup>
- [4Suite-1.0a4](#)<sup>3</sup>
- [Twisted-1.3.0](#)<sup>4</sup>

Optional: WS-Security: XML Digital Signatures, Secure Conversation, etc.

- [pyGlobus](#)<sup>5</sup> Python Wrapper for GT2, needs security and utility modules.
- [Globus 2 Security and utility packages](#).<sup>6</sup>

## 7. Supported Platforms

Tested Platforms for pyGridWare:

- [list platforms for which component has been tested]

## 8. Backward Compatibility Summary

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

## 9. Associated Standards

Associated standards for Python WS Core:

- standard #1

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<sup>1</sup> <http://www.python.org>

<sup>2</sup> <http://pyxml.sourceforge.net/>

<sup>3</sup> <http://sourceforge.net/projects/foursuite/>

<sup>4</sup> <http://www.twistedmatrix.com/products/download>

<sup>5</sup> <http://dsd.lbl.gov/gtg/projects/pyGlobus/FAQ.html>

<sup>6</sup> <http://www.globus.org>

- ...
- standard #n

## 10. For More Information

See [pyGridWare](#) for more information about this component.