

# GT 4.2.0 Release Notes: WS MDS UsefulRP

## Table of Contents

1. Component Overview .....	1
2. Feature summary .....	1
3. Summary of Changes in UsefulRP .....	1
4. Bug Fixes .....	2
5. Known Problems .....	2
6. Technology dependencies .....	2
7. Tested platforms .....	2
8. Backward compatibility summary .....	2
9. Associated standards for MDS UsefulRP .....	3
10. For More Information .....	3

<titleabbrev>Release Note</titleabbrev>

## 1. Component Overview

WS MDS includes a Java package subsystem called UsefulRP which is home to (among other things) the Resource Property Provider component, otherwise known as the RPPProvider Framework. The RPPProvider Framework is an extensible software component that can be used to dynamically generate XML values for one or more WSRF Resource Properties in any given GT4 Java WSRF-Core compatible service.

## 2. Feature summary

Features in GT 4.2.0 WS MDS UsefulRP

- Provides API and implementation for working with customized resource properties and information providers
- Provides an implementation of a GLUE 1.1 schema compliant resource property
- Provides sample resource property implementations for service developers to incorporate into their own services

## 3. Summary of Changes in UsefulRP

- The RPPProvider configuration file format has changed slightly. The `ResourcePropertyProviderConfigArray` structure contains an array of xml elements of the type `resourcePropertyProviderConfig`. In 4.0.x, the element name for each array item was "configArray"; in 4.2.x, the name has been changed to "resourcePropertyProviderConfiguration".

Structurally, the `ResourcePropertyProviderConfigArray` and its child elements have not been modified in any other way. Therefore, a search and replace for all instances of "configArray" with "resourcePropertyProviderConfiguration" should be all that is necessary to make 4.0.x RPPProvider configuration files compatible with 4.2.x versions.

## 4. Bug Fixes

- [Bug 4105: File conflicts in mds\\_usefulrp](#)<sup>1</sup>

## 5. Known Problems

The following problems and limitations are known to exist for WS MDS UsefulRP at the time of the 4.2.0 release:

### 5.1. Limitations

No known limitations at this time

### 5.2. Outstanding bugs

- [Bug 2601](#):<sup>2</sup> Missing 'sigset' linking error

## 6. Technology dependencies

WS MDS UsefulRP depends on the following GT components:

- Java WSRF Core

WS MDS UsefulRP depends on the following 3rd party software:

- none

## 7. Tested platforms

Linux, Windows (except GLUERP)

## 8. Backward compatibility summary

Protocol changes since GT 4.0.x

- [FIXME describe]

API changes since GT 4.0.x

- [FIXME describe]

Exception changes since GT 4.0.x

- [FIXME describe]

Schema changes since GT 4.0.x

- [FIXME describe]

---

<sup>1</sup> [http://bugzilla.globus.org/bugzilla/show\\_bug.cgi?id=4105](http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=4105)

<sup>2</sup> [http://bugzilla.globus.org/globus/show\\_bug.cgi?id=2601](http://bugzilla.globus.org/globus/show_bug.cgi?id=2601)

## 9. Associated standards for MDS UsefulRP

- [TBD list standards]

## 10. For More Information

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

DRAFT