
GT 4.2.1 Release Notes: Index Service

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<titleabbrev>Release Notes</titleabbrev>

1. Component Overview

The Index Service collects monitoring and discovery information from Grid resources, and publishes it in a single location; generally, it is expected that a virtual organization will deploy one or more index services which will collect data on all of the Grid resources available within that virtual organization.

2. Feature summary

Features new in release 4.2.1

- The Index Service now supports, in addition to queries made using the default XPath dialect, the new [TargetedXPath](#) dialect, which enables users to specify their own namespace mappings in queries.

3. Summary of Changes in WS MDS Index Service

No new changes in this release

4. Bug Fixes

- [All fixed Index Service bugs and enhancement requests.](#)¹

5. Known Problems

The following problems and limitations are known to exist for WS MDS Index Service at the time of the 4.2.1 release:

¹ http://bugzilla.globus.org/globus/buglist.cgi?short_desc_type=allwordssubstr&short_desc=&product=MDS&component=wsrif_index&long_desc_type=allwordssubstr&long_desc=&bug_file_loc_type=allwordssubstr&bug_file_loc=&bug_status=RESOLVED&bug_status=VERIFIED&bug_status=CLOSED&emailtype1=substring&email1=&emailtype2=substring&email2=&bugidtype=include&bug_id=&votes=&changed-in=&chfieldfrom=&chfieldto=Now&chfieldvalue=&cmdtype=doit&newqueryname=&order=Reuse+same+sort+as+last+time&field0-0-0=noop&type0-0-0=noop&value0-0-0=

5.1. Limitations

- The WS-MDS Index Service currently keeps the entire set of index data in memory; the size of the index is thus limited by the amount of memory available to the Globus container.

5.2. Outstanding bugs

- [All open Index Service bugs and enhancement requests²](#)

6. Technology dependencies

The Index Service depends on the following GT components:

- [Java WS Core](#)
- [Aggregator Framework](#)

7. Tested platforms

Tested Platforms for WS-MDS Index Service:

- Linux on i386
- Windows XP

Tested containers for WS-MDS Index Service:

- Java WS Core container
- Tomcat 5.0.28

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8. Associated Standards

Associated standards for WS MDS Index:

- WS-ResourceProperties (WSRF-RP)
- WS-ResourceLifetime (WSRF-RL)
- WS-ServiceGroup (WSRF-SG)
- WS-BaseFaults (WSRF-BF)
- WS-BaseNotification
- WS-Topics

² http://bugzilla.globus.org/globus/buglist.cgi?short_desc_type=allwordssubstr&short_desc=&product=MDS&component=wsrf_index&long_desc_type=allwordssubstr&long_desc=&bug_file_loc_type=allwordssubstr&bug_file_loc=&bug_status=NEW&bug_status=AS-SIGNED&bug_status=REOPENED&emailtype1=substring&email1=&emailtype2=substring&email2=&bugidtype=include&bug_id=&votes=&changedin=&chfieldfrom=&chfieldto=Now&chfieldvalue=&cmdtype=doit&newqueryname=&order=Reuse+same+sort+as+last+time&field0-0=noop&type0-0=noop&value0-0=

9. For More Information

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

Glossary