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# 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.<sup>1</sup>

## 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:

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<sup>1</sup> [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=](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 requests<sup>2</sup>](#)

## 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

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<sup>2</sup> [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=](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