

GT 4.2.0 Development Release Notes for WS MDS WebMDS

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<titleabbrev>Release Notes</titleabbrev>

1. Component Overview

WebMDS enables end users to view monitoring information via a standard web browser interface, without installing any additional software on their PC. WebMDS is implemented as a servlet that uses a plugin interface to gather monitoring information (or any other information in XML format) and XSLT transforms, and present the data to the user in a readable form. Web site administrators can customize their own WebMDS deployments by using HTML form options, configuring different plugins to collect data and XSLT transforms, and creating their own plugins and XSLT transforms.

2. Feature summary

Features new in release 4.2.0:

- None

Other Supported Features

- Extensible plugin interface to support various mechanisms to gather monitoring information and XSLT transforms.
- Plugins to acquire monitoring information via resource property mechanisms.
- Plugin to acquire XSLT transforms by reading from local files.

Deprecated Features

- None

3. Summary of Changes in WebMDS

The following changes have occurred for WS MDS WebMDS since the last stable release, 4.0.x:

- Error handling has improved -- error pages now include a summary and not just a Java stack trace.
- The service group summary view now has an option to periodically refresh the display.
- WebMDS now supports optional user-specified Xpath queries.
- WebMDS now supports the use of user-specified namespace mappings with user-specified Xpath queries.
- Entries in the service group summary view are now sorted.
- The service group summary view is now easier to update to support local data types.

4. Bug Fixes

- [3926: Misconfigured RFT has a messy entry in WebMDS](#)¹
- [4534: Improve error messages in WebMDS](#)²

5. Known Problems

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

5.1. Limitations

- No known limitations exist.

5.2. Outstanding bugs

- [3040: Webmds can break if started from the wrong directory](#)³
- [3051: Handle huge indexes](#)⁴

6. Technology dependencies

WebMDS depends on the following GT components:

- Java WS Core

WebMDS depends on the following 3rd party software:

- [Tomcat](#)⁵

7. Tested platforms

Tested Platforms for WebMDS:

¹ http://bugzilla.globus.org/globus/show_bug.cgi?id=3926

² http://bugzilla.globus.org/globus/show_bug.cgi?id=4534

³ http://bugzilla.globus.org/globus/show_bug.cgi?id=3040

⁴ http://bugzilla.globus.org/globus/show_bug.cgi?id=3051

⁵ <http://jakarta.apache.org/tomcat/>

- The WebMDS server has only been tested with Tomcat version 5.0.28; it has been tested on RedHat Linux (i386) and, to a lesser extent, on Windows XP.
- On the client side, WebMDS should be accessible from any web browser on any platform.

7.1. Installing WebMDS on Windows

Although the WebMDS server is not officially supported on non-Unix platforms, and no Windows installer exists for WebMDS, it is possible to run WebMDS on Windows. The following instructions describe how to install WebMDS on a Windows platform.

1. Install [Tomcat](#)⁶ and set your CATALINA_HOME environment variable to the directory into which Tomcat was installed.
2. Install the Globus Java WS-Core distribution from the [Globus Toolkit download page](#)⁷. Set your GLOBUS_LOCATION environment variable to the directory into which you installed Globus Java WS-Core
3. Check the ws-mds distribution out of the [Globus CVS repository](#)⁸, using the globus_4_0_branch tag.
4. Install the servicegroup package:

```
cd c:\wherever\ws-mds\servicegroup\schema
ant deploy
cd ..\source
ant deploy
```

where *wherever* is the directory into which you checked out the ws-mds sources.

5. Install WebMDS:

```
cd c:\wherever\ws-mds\webmds
ant deploy
```

6. Create the webmds context file (this tells Tomcat where to find WebMDS):

```
%GLOBUS_LOCATION%\lib\webmds\bin\webmds-create-context-file %CATALINA_HOME%\conf\Catali
```

7. Restart Tomcat.

WebMDS can then be configured and used as described in the rest of the documentation: [WebMDS](#).

8. Backward compatibility summary

Protocol changes since GT version 4.0.x:

- None

⁶ <http://jakarta.apache.org/tomcat/>

⁷ <http://www.globus.org/toolkit/downloads/>

⁸ <http://www.globus.org/toolkit/docs/development/remote-cvs.html>

API changes since GT version 4.0.x:

- None

Exception changes since GT version 4.0.x:

- None

Schema changes since GT version 4.0.x:

- None

9. Associated standards for WS MDS WebMDS

- HyperText Transfer Protocol (HTTP)
- HyperText Markup Language (HTML)
- XSL Transformations (XSLT)
- WebMDS is implemented as a Java Servlet

10. For More Information

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