

GT4 Component Fact Sheet

WS Monitoring and Discovery System (MDS4)

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General Component Description

The WS Globus Monitoring and Discovery System, MDS4, is a WSRF-based Grid-level monitor used primarily for resource discovery and resource management selection decisions. This component provides a wide range of information about basic resources and queues, and can interface to cluster monitoring systems such as Ganglia for local cluster data. Each WSRF-based service provides a range of monitoring information about itself, thereby allowing WS MDS to make use of this data as well.

Like any Grid monitoring system, MDS4 provides an index service where data is collected and cached. In addition, MDS4 has an associated archiver that stores data in a Xindice XML-based database, and a web-based interface for easy viewing of collected data.

What's New in GT4?

The final release will include:

- An archiver to record historical monitoring data
- An updated version of WebSDB, for displaying MDS data through a simple web browser interface
- Integration with the Ganglia cluster monitoring system.

Backward Compatibility Statement

MDS4 will not interoperate with MDS2 nor MDS3 (however, it can be installed alongside MDS2 and MDS3 installations without conflict)

Technology Dependencies