March 26, 2003

Agenda

Attendees
 Darren Pulsipher
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 Steve McGough
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[Text Slide A]

New Charter Proposal

The purpose of this Working Group (WG) is to provide interoperability
between current and future Batch Systems by providing a standard Job
Submission Description Language (JSDL) for describing computational Batch
Jobs and their required execution environments for submission to a Grid of
heterogeneous Batch Systems.

In this scheme, a User or Client submitting a computational Batch Job to a
Grid for execution via a Batch System, would construct a document complying with the JSDL
schema. This document would encapsulate all of the information needed by a Batch System
(Distributed Resource Management
(DRM) system) or a job submission system on a Grid, such as a Grid Meta-Scheduler, to place a
computational Batch Job in its required environment for execution via one of a number of local Batch
Systems that can understand the JSDL schema.

In addition to the computational requirements of Batch Jobs, such as
physical memory and architecture, the JSDL will describe other information
such as the locations of the input and output files required by that Batch
Job. Techniques for the transfer of input and output and related files may
also be described using the JSDL. The JSDL would also provide a means to
enable the description of basic dependencies between jobs, that is, the
dependency of a job on the status of other jobs and any relationships
between the input and output files of jobs. We do not concern ourselves with the selection of
resources, leaving this to other efforts within the
Scheduling
Area of the Global Grid Forum
(GGF).

It is clear that in addition to a JSDL, there is a need for a standard
abstract Resource Description Language (RDL) in order for Grid
Meta-Schedulers to undertake advance reservation and submission of Grid
Batch Jobs to local Batch Systems and the resources they administer. It is
out-with the scope of the work of this WG to address the issues
of an RDL. Instead, it is envisaged that this effort will be addressed by a sister group, possibly
building on the work of the
Common

Information Model (CIM) group.

(OK for those present at this meeting.)

[Text Slide B]

Time Line

Milestones:

GGF7: Milestone 0 (M0)
BoF session at GGF7 (BOF session agenda).
Discussion of the DRAFT JSDL Requirements Document at possible WG session (possible WG session agenda).
Solicit authors and reviewers for Survey Documents of current job submission system languages.

GGF7 to GGF8:
Continue work on Requirements Document with a goal to finalising v1.0 for GGF8.
Confirm authors and reviewers for Survey Documents of current job submission system languages.
Begin work on Survey Documents of current job submission system languages.

GGF8: Milestone 1 (M1)
Review draft of v1.0 of Requirements Document.
Review drafts of Survey Documents.
Discuss the logistics of the Recommendation Document.

GGF8 to GGF9:
Continue work on Survey Documents with a goal to finalising v1.0 of each for GGF9.
Begin work on the Recommendation Document in order to review this at GGF9.

GGF9: Milestone 2 (M2)
Submit v1.0 of Requirements Document.
Finalise Survey Documents of current job submission system languages.
Review the state of the Recommendation Document.

GGF9 to GGF10:
Continue work on the Recommendation Document in order to finalise this for GGF10.
Start work on an XML schema implementation of the JSDL as set out in the Recommendation Document.

GGF10: Milestone 3 (M3)
Present finalised v1.0 Recommendation Document.

GGF10 to GGF11:

Comments on Recommendation Document v1.0.

Continue work on the XML schema of the recommended JSDL.

GGF11: Milestone 4 (M4)

Present XML schema of the recommended JSDL.

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