

Nov 1, 2005

## Agenda

Discuss latest suggestions to the spec.

## Attendees

Darren

Andreas

Donal

Fred

Ali

## PROPOSED ALTERATIONS TO SPEC

Done) We've been made aware of a minor discrepancy in the jsdl schema which we'd like to fix even at this late point. Briefly, the schema defines extension attributes (xsd:anyAttribute) as processContents="lax" but not the extension elements (xsd:any).

Done) It should be made consistent and we think that both of these should be processContents="lax". In conjunction with this schema change, for consistency, we'll be changing a statement in Section 7, paragraph 2, from "MUST be supported" to "SHOULD be supported."

Done) 1. At one point the references, e.g. WS-Agreement [WS-AG], might be updated in the reference section and the text.

Leave as is) 2. Section 3.2:

A distinction is made for temporal scheduling, data-dependent scheduling and workflow-dependent scheduling. Reading about the temporal scheduling, one might ask what happened with space-scheduling, the question where a job execution. While the given list is not conceived to be exhaustive, it might be sensible to add an entry or alter the "temporal scheduling" to include time and location scheduling.

Not a Problem) 3. Sect. 4, and other locations

I am not sure whether it is just a problem of my Word version, but the document and my print had problems with consistent line spacing. I encountered this problem first in this Section. Between "cannot be satisfied." and "Note, however".

Such problems occur on several locations in the doc, especially the references on page 61/62 are mal-formatted.

Andreas Clarification Needed) 4.Sect 5.2.4:

Value "dontOverwrite": Maybe, it should be made clear for this value what the semantic implications for this value is if a file exists. For instance, that no file action will take place if the file already exists. Looking at Sect 6.5.475ff, I was asking myself whether it is clear that a file should be deleted on termination even if it was not created by this job because it already existed before.

Andreas Clarification Needed) 5.Sect 6.1.2:

Within the JobDescription Element, was there a clear reason why the Application and the Resources Element have a multiplicity of "zero or one". In both cases, I could see a need for having a "zero or many" relation; e.g. the job uses or is a collection of applications; or needs a set of different resources. I assume that the WG had some discussion on this issue. Therefore, it might be helpful to have some lines in the text why this limitation was introduced.

Not a Problem) 6.Sect. 6.4.1, Sect 6.4.18.1, Sect 6.4.28:

In 6.4.28, an example is given in which several "individualCPUCount" occur within one job. However, according to Sect 6.4.1.5 and 6.4.18 the multiplicity of "individual CPUCount" is "zero or one". This is an inconsistency.

There may be good reason to allow multiple individual CPU counts as given in the example. However, if that is allowed, I have several questions how the other "Individual\*" elements can be used in practice if there is the possibility to have multiple "IndividualCPUCount" elements. For instance the relation of Individual time memory etc. may rely on the particular definition CPU set. This would require some referencing/addressing/ordering of the elements, which might make everything quite complicated.

Andreas Clarification Needed "No defaults are assumed blah blah blah" ) 7.Sect. 6.4.28:

For practical implementations, I am not sure whether it is a good idea to have the non existence of a TotalResourceCount yield to the result that "consuming system "MAY choose any value".

[ Text Slide 1 ]

GGF 16 plans

## 1. Workshops

Roadmap to be presented at workshop?

- Show how JSDL is being used
- System components that use JSDL
- System architecture
- Show how system implementations have extended/want to extend JSDL

## 2. Tutorials

Material for tutorial to form basis for Primer

- Outline of Tutorial
- Start with the existing introduction slide set from Andreas and Michel and Steve
- Come up with ideas of examples that highlight usage of each section
- Mappings of JSDL to some other systems (look at the GridSAM, NAREGI, and UniGrids)
- (Intro to post v1.0 of JSDL)

[ Text Slide 1 ]