

March 1, 2005

Attendees

Darren (Ovoca LLC)

Steve

Ali

Andreas

Bill

Michel

Subir

Agenda

Status of the doc

Michael's comments

Agendas for GGF13

News

Agenda for GGF13

=====

Session 1:

30 minutes - What is JSDL and what it is not

30 minutes - Review Tracker issues

30 minutes - new issues and prioritize for next sessions.

Session 2:

Work on the tasks identified

Session 3:

Work on the tasks identified

Session 4:

60 minutes - finish working on tasks identified

Last 30 minutes - Wrap up and schedule next steps and meetings.

Action Items

(Andreas) Documentation needs to change to show the "sid" attribute and how it is used. Replace all text referring to id and profile replacement

(Steve) Schema needs to change to use "sid" attribute for all elements. - DONE

**[ Text Slide A ]**

=====

```
<jsd:FileSystem id="Home">
  <jsd:Description>My home</jsd:Description>
  <jsd:FileSystemName>jsd:home</jsd:FileSystemName>
  <jsd:FileSystemType>jsd:normal</jsd:FileSystemType>
  <jsd:MountResource>bach:/home/mdrescher</jsd:MountResource>
</jsd:FileSystem>
```

or

```
<jsd:FileSystem sid="MD-Home" name="Home">
  <jsd:Description>My home</jsd:Description>
  <jsd:FileSystemType>jsd:normal</jsd:FileSystemType>
  <jsd:MountResource>bach:/home/mdrescher</jsd:MountResource>
</jsd:FileSystem>
```

or

```
<jsd:FileSystem ref="MD-Home" name="HOME">
  <jsd:Description>My home</jsd:Description>
  <jsd:FileSystemType>jsd:normal</jsd:FileSystemType>
  <jsd:MountResource>bach:/home/mdrescher</jsd:MountResource>
</jsd:FileSystem>
```

1. Match on sid
2. Define some well known values for name: HOME, TMP (do these as tokens)

=====

Solution a) - "Magic interpreter"

The JSDL snippet would be

```
<jsd:FileSystem id="Home">
  <jsd:Description>foo</jsd:Description>
</jsd:FileSystem>
```

and the genie interpreter would recognise the id attribute to mount the execution user's home dir.

JDSL goes "Genie in the bottle", if I may say so. ;-)

Solution b) - Platform specific incarnation The JSDL snippet would be

```
<jSDL:FileSystem id="Home">  
  <jSDL:Description>foo</jSDL:Description>  
  <jSDL:MountPoint>/home/mdrescher</jSDL:MountPoint>  
</jSDL:FileSystem>
```

This solution lacks abstraction since I cannot resubmit that very job to another site where my home directory is mounted to another path (i.e. /users/drescher).

Brokering this job is also hardly possible even if I try to mess around with an incredibly large set of jSDL:Profile elements (to match all possible mount points for home directories).

Solution b) - adding "abstractable" directories to jSDL:FileSystemType The JSDL snippet would be

```
<jSDL:FileSystem id="Home">  
  <jSDL:Description>foo</jSDL:Description>  
  <jSDL:FileSystemType>home</jSDL:FileSystemType>  
</jSDL:FileSystem>
```

This way, JSDL would introduce the "home directory" syntactically. The downside is that \$HOME is not a filesystem. But, then, is "tmp" always a different filesystem?

Solution c) - Allowing globbing in jSDL:MountPoint The JSDL snippet could be

```
<jSDL:FileSystem id="Home">  
  <jSDL:Description>foo</jSDL:Description>  
  <jSDL:MountPoint>{$HOME}</jSDL:FileSystemType>  
</jSDL:FileSystem>
```

or something similar

This mechanism would introduce the well-known globbing mechanisms from PERL or the shells like tcsh, bash etc.

Solution d) - A revised jSDL:FileSystem element I don't have any idea yet to propose, but personally, I think JSDL would benefit from an abstraction of file systems (like UNICORE or Globus provide).

**[ Text Slide B ]**