June 7, 2005 resource management design team teleconference minutes

1 Early discussion

(1) Note taker assignment: Fred

(2) Roll call
- Fred Maciel
- Mark Morgan
- Tom Roney
- Andrea Westerinen
- Chris Smith
- Ellen Stokes
- Jem Treadwell
- Latha Srinivasan

(3) Approve the minutes of last week: approved.

(4) Agenda bashing

2 Applying CIM to BES

- Mark describes BES
  - OGSA-BES is one of 3 OGSA-WG spin-offs moving rapidly ahead. It is creating the spec for the container-like thing that runs a job. Need to describe properties like CPU architecture of the container.
    - Decided to more or less adopt what JSDL has for the first draft, to be discussed in GGF14. A few members thought that was not enough in the future, and will try to get something better in time for this draft (3 weeks). Looking at CIM as an option.
    - Main concern: CIM is great, but too complicated and too big to add in the BES draft in 1 1/2 week. Not convinced that CIM is suitable for BES.
  - Fred: we have to both choose semantics and their rendering.
  - Final spec: public draft in March 2006.
- Andrea: CIM has never been intended to be taken as a whole, only what's enough for what you need. In BES that would possibly be a small subset (a service that could be started).
- Andrea: what are you trying to accomplish? Chris: coming up with attributes for containers. Andrea: examples? Chris: CPU architecture, how many CPUs are available, physical and virtual memory, disk space, operating system. Andrea: what

this comes down is to associations of queue to host and operating system and system. You might have five associations with semantics you care about. Server vendors are already populating this data. Should take 15 to 20 classes to cover everything. The question is what your [CIM] "profile" is.

- Chris: need extensibility. Andrea: you can add properties and methods in the model.
- Andrea: CIM v3 will simplify keys (identifiers).
- Some explanations on the problems with multiple base profiles. Andrea: DMTF has the same problem. But CIM the model does not care.
- Andrea offers to put a couple of slides on the subset of CIM for BES.
- Chris: what's our metric to judge if this would be possible? Map JSIM into CIM? Mark: yes. Is CIM as just a way to describe the resource properties? Andrea: it's an ontology, a way to describe things that works across multiple areas.
- Mark and Chris: do not take subset of classes.
- Mark: how to render operations? Andrea: it's a WSDL function. Chris: what's nice is that the call is independent of profile.
- Fred: weren't queues out of scope? Chris: yes, base is JSDL.
- Mark: in the future might want to schedule depending on accessibility to a global file system.
- Chris: possible model licenses with CIM? Looks possible. Mark: adding a license should happen at runtime. Chris: how to add statistical data? Andrea: we encourage people to class and give people the infrastructure to do that.
- Chris: the relationship between GGF and DMTF is another pro; there's a path from finding new stuff to proposing DMTF.

3   Next teleconference

- Next teleconference planned for June 14, at the following times:
  - 11:00-12:00 US Pacific (GMT - 7)
  - 12:00-13:00 US Mountain (GMT - 6)
  - 13:00-14:00 US Central (GMT - 5)
  - 14:00-15:00 US Eastern (GMT - 4)
  - 18:00-19:00 GMT
  - 19:00-20:00 UK (GMT + 1)
  - 20:00-21:00 Central Europe (GMT + 2)
  - 03:00-04:00 Japan (GMT + 9, following day)
- Call-in numbers:
  - toll-free: +1 (888) 422-7120
  - international: +1 (608) 250-0194

    – passcode: 693305
- Agenda and screen sharing URL to be posted later

4 Action items

(1) New
- Andrea to create a subset of CIM that roughly covers JSDL.