

June 14, 2005 resource management design team teleconference minutes

1 Early discussion

- (1) Note taker assignment: Fred
- (2) Roll call
 - Fred Maciel
 - Andrea Westerinen
 - Jem Treadwell
 - Latha Srinivasan
 - Ellen Stokes
 - Tom Maguire
 - Jay Unger
- (3) Approve the minutes of last week: approved.
- (4) Agenda bashing

2 Applying CIM to BES

- Andrea and Fred created a table mapping the JSDL elements to CIM.
- Andrea: major correspondence between to stuff of JSDL and CIM. Properties not in CIM can be created in a subclass of setting data.
- Tom: what are we going to do? Fred: propose this set (i.e., these classes and associations) as a starting point for the properties of the BES container. Tom: does that mean creating a CIM “profile” for BES? Fred: exactly. Ultimately that’s the plan.
- Question on whether we will use WS-CIM. Fred: we will initially focus on the model, and decide a rendering later. WS-CIM possibly won’t be ready to use as rendering in time.
- Fred: “total” values in JSDL apply to one container or to multiple ones?
 - Jay: when a scheduler delivers a job to container it has done matching already. The scheduler has already broken down things, so the JSDL that it sends to the container applies only to this container. We are not addressing choreography between containers.
 - Jay, Fred: we will need a profiling of JSDL to BES, including how the JSDL entities apply to the BES entities.
- Jay: CIM models the job, and JSDL elements have analogs in CIM. How about the resource requirements of a job? Andrea: it has a place in the model to this kind of properties. Jay: does CIM define these? Andrea: involves extending this subtree of

model. Jay: JSDL people for instance envision different OSs with different parameter sets; is there a mechanism for this kind of subclassing? Andrea: yes.

- Andrea: down in resources, JSIM has some data as Max CPU time. JSDL has individual and total. What if things don't match? Fred: apparently one can create a JSDL document that is syntactically correct but semantically nonsense (e.g., minimum individual memory of 1GB, and maximum total of 1kB).
- Fred proposes to show container and job state through CIM (showing their individual, but not total, values as properties), and the job requirements as a resource property with the JSDL document submitted. Jay and Andrea propose showing requirements also through CIM.
 - On whether “JSDL specifies the minimum requirements”, Tom observes that values can be ranges. Jay: all can be ranges in CIM? Andrea: it does, in the application work had lower and upper limits, etc., modeled as setting data.
- Jay, summarizing:
 - There are some things we don't have but will add
 - There is some confusion on the relationship between individual and total
- Fred to take spreadsheet to OGSA-BES-WG teleconference.

3 Next teleconference

- Next teleconference planned for June 21 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