

August 12, 2005 resource management design team teleconference minutes

1 Early discussion

(1) Note taker assignment: Fred

(2) Roll call

- Fred Maciel
- Ellen Stokes
- Steven Newhouse
- Hiro Kishimoto
- Tom Maguire
- Andrea Westerinen
- Latha Srinivasan
- Philipp Wieder

2 Discussion on nomenclature

- Ellen explains PowerPoint charts sent the day before defining “information model” and “data model”. Ellen: Resource model is a Red Herring, and should not be used. Tom Maguire agrees.
- Steven: why are operations part of the information model? Agrees that operations are part of a modeling system, but questions whether operations are part of resource selection.
 - Andrea: in the full use of a model (leaving “information” off), in many scenarios operations a key feature of the model. In the storage world, knowing what storage extents you have is OK, but need also to move storage pools, create virtual storage devices, etc. Steven: this confuses functional interface, e.g. WSDL? Andrea: WSDL is a rendering. Steven: do you imply that CIM can include all this information? Andrea: yes (or would not be working in it for years).
 - Fred: for matchmaking (resource selection) we’re not going to use whether a host has a reset() capability.
 - Ellen: it’s an important aspect of the model.
 - Hiro: operations are the ones of the entities? Fred: there are two kinds: operations such as reset and reboot a host (called extrinsics in CIM), which are different from operations such as “enumerate all instances” (called intrinsics in CIM). Discussion above was on the extrinsics.
 - Andrea: a particular profile might include no operations.

- Ellen: data model is an instantiation of the information model. CIM has LDAP and CIM/XML renderings. Fred: Hitachi also proposed CIM over SOAP. Andrea: the DMTF picked these broad areas, and CIM/XML was done before Web services were done.
- Hiro: is it correct for a container to say “information” or “data” model? Andrea: the “resource model” that we are talking about in generic terms, that’s the information model, then when we go down to WSDL and/or XML it’s a data model. What you want is a faithful rendering to move from the information model to the rendering. One rendering will not work for everybody in the world: different repositories, different scenarios, etc. But e.g. in CIM information, even if you get it from different renderings, you have consistency on the concepts.
- Hiro: so we need a rendering. Steven: WBEM? Fred: something better. Andrea: something not done on the 90s, e.g., DTD-based.
- Fred: so what we called “semantics” we are calling “information model”, and what we called “rendering” we are calling “data model”? Andrea: yes.
- Steven asks about the types used within CIM when relating to XML. Ellen mentions a study. Andrea mentions the WSDM-to-CIM mapping doc, will send link.

3 Discussion of Fred’s document

- Steven asks about functional and manageability interfaces, and Fred reminds that there is a big gray zone between them. Steven: once you get the rendering, so things [the service interfaces] come automatically, since CIM has operations.
 - Andrea: DMTF does not claim to be subject matter in everything. Relies on alliance partners to specify details.
 - Fred: the functional interfaces in OGSA will not come from the CIM operations, since they are at a different semantic level. CIM has lower level interfaces, but will never have high-level interfaces such as “create activity from JSDL”, which is what is being defined in the GGF. But, within both the OGSA-BES and CIM-related interfaces we might have an operation to get status of an activity. These are defined independently, and have different renderings, but we need to have alignment between semantics of the two, e.g. what is the set of states of an activity. That’s the point in which the two clash.
 - Steven: we will need to profile CIM.
- Steven: are we going to define all the OGSA operations in CIM?
 - Fred: Certainly not all operations. Perhaps a few of them, but does not know now if this is true.

- Fred: worried about target audience of modeling work, since right now there is no working group that is going to use a model when it is created. Will need to discuss how to move the work ahead in the face-to-face.
- Hiro: DMTF is working on a document on how to create profile, is it public? Andrea: no, but will try to find what can be disclosed.

4 Next teleconference

- Next teleconference planned for August 30 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