Notes from the OASIS WSRF TC teleconference 21st February 2005

Roll call

The roll call is kept on the TC web site under the meeting record.
See http://www.oasis-open.org/apps/org/workgroup/wsrf/event.php?event_id=4814

Minute Taker: David Levine

Not quarate yet

Approval of minutes from the face-to-face meeting (21st February)

See http://www.oasis-open.org/committees/download.php/11527
There were no comments on the minutes and no objections to approving them.

AOB?

None

Action review

Actions have taken places on the issues list, per the
f2f Specs largely updated, Service group still being worked on

Charter Change vote initiated -- reminder to vote, so we can have 75% of members to remove
renewable refernces specification from the deliverables.

WIKI site -- nothing done as yet carry forward

SG signed up to be link with Obix committee (done)

Points on action items? - None.

New issues

BM: new issues

97 -- Query RP port type, doesn't contain attributes which points to XML
schema, needs to be added to that porttype (WSRP resource properties
attribute) Open - not quorate

98 -- cardinality of Set resource property content

Shouldn't minoccurs be one? -- prevents vacuous resource property commands

    sg: What breaks if it is? - nothing, but nonsensical. Move to open

99 -- Non normative examples in spec us soap 1.2 namespace. Should we be using soap 1.1 namespace instead? (What should go in the interop doc?) WSIBP 1.1 compliant, need to be soap 1.1 namespace) So examples should match. -- Open

100 - Confusion about requirement that WS-Basefaults for WS-Resources - Raised by Ian Springer, Steve Graham. SG: Every fault must be derivative/should be derivative of base fault. (Wording improvements?) Tied up with cleanup of wording around... clairfy text May need a little more text in first bullet senstance to make clear, and stronger -- Open

End of new issues

Next f2f

Dubln capacity too small for meeting. Palo Alto SAP
Begining of week 16-may Noon Monday to Noon Wednesday, WSN in same venue to follow Umit and Sanjay to handle logistics. (Instructuions, etc)

ServiceGroup usage and requirements

Two presentations:

  Sam, heather Kreger

  Service group usage and requirements (Both on web site)

  Heather first:

  How we use SG in WSDM, and in a mapping for DMTF to CIM

  How to expose resources for management as web services
    Key aspects: Composability, exhibit behavior of a collection,
    provide common concepts (Identity, Discovery, Advertisement) SG
    groups come in here.

  WSDM mostly focused on how to manage the resource, compelled to provide some advice and recommendation (non-normative) how to do discovery and advertisement (Recommend SGs)

  Wrap existing management registries with SG

  Basic properties an resources to use in this case (basic interop and searchable properties) Identity from WSDM-MUWS, Resource ID,

Manage Characteristics, manage capabilities. (URI list of management
capabilities that resource exposes)
Find by property/property values as well as capabilities.
Difficult to restrict/search using same content rule
Able to put all WSFM manageable resources into registries, beyond
first few properties, everything else was resource specific. (Need some
way to allow people to add any type of service to a group, still be able
to search sparsely populated properties) (somewhat tricky

Be able to define a rule that you must have ID, capabilities, then
need properties in content rule, or can't search.

Creation events, when bringing them into the environment, use
resource ID to register into the local SG. (Don't talk about how
to populate -- sort of implied that there is a registry mechanism)
Either register to get notification, or periodically poll for new
ones.

Bootstrapping issues -- how do you find first SG location. Several
ways you can do this, for example UDDI, none recommended

Consider separate membership content/query rules Possibly think
about support for sparsely populated values.

Using CIM - slide 9

Move arrows on slide 9 from proprietary to Web Services

Slide 10 - common properties for the arrows on slide 9 (What they do)
Slide 11 - Examples of queries we want to be able to do no the model.
        CIM query language (Not to be confused with SQL) Work to be
        done to synch up with Xpath.

Slide 12 - Cim server becomes general management server.
         US WS protocols to talk to the resources, and talk to
         resources with non CIM models. (See bottom 2, in blue)
Slide 13- Use red highlighted WSRF stuff to get those jobs done in WSDM
        in the web services mapping

Sldie 14 - WR-WN for application pattern, CIM for model, WSDM for
        operations model

Slide 15- Either via WS_RF or SMASH (command line interface) using CIM

   Diff CIM/Smash (Command line vs. exposed CIM provider)
models
   Does management application see the difference between CIM/SMash,

   When doing WS-* should be the same whether CIM or SMASH (hk)

   Today, Yes, when moving to WS, no. (hk)

Slide 16 - Resource mapping -- locate all classes which look like
manageable resources, almost all from managed system element,

represent that as a WSDM maagble resource. Supports WS-RP and Resource-ID *(from WSDM) took all propereties in those classes and they become resource propeerties, all operations to WSDL operations

Slide 17 - Associated data (Reresent hese as straight WS-Resources) assocaued withWSFM managed resource, with a relationship

Sldie 18 - Instances colletcion (service group) General collections)

Slide 19 - "Interesting one" Created classes collection, to as, questions about the classes and and thier instances. Classes in the model have on properties and operations For each fo these claases, service group of call instances of the class Can get all instances of a class, and all instanbces of all descendents

   For class X , list class 1 and class2 as superclass, locate all places where class X occurs to find the descendents

Hierchy is kept in resource properties.

3 collections - very similar proposal was brough forward by another proposal group on the team.

How to federate CIMOMs to get larger resource domanis you can search over. Can use this as a federation so that you have these collections span multiple CIMOMs with virtually no n changs in arch.

Slide 20 - What presented to DMTF

   Corellateable properties so can understand name in the CIM community.

skip to Slide 23 - Use service group queires (red) to enumerate stuff
Slide 24 - Again, use SG queries to enumerate classes.

Query vs. content rules discussion - What's searchable? HK, only what's in the content rule is searchable. (Her reading) Content vs searchable should be two different rules (Desire)

Sam's pitch:

Slide 1: Grouping -- Even for discovering and modeling part, is essential part they want form the spec. Lightweight way to group WS-Resources together.

Important to have lease based lifetime mechanisms for robustness in distributed settings

Ability to drive operations across multiple WS-resources
Like to see example/clarification of how to drive an operation across multiple instances though a service group

Example which clarifies the use case would be welcome

Explicitly address an example of this in the Spec or appnotes.

Ties to issue 64. (need a mechanism)

Slide 2: Registry

Regsitry, including very dynamic information
May want to discover all queue lengths for seeveral schedules, with
dynamic infomrationa

reqt: How information gets published into the regsitry (push vs.
pull) should be spec agnostic. A few examples of the pull.
(e.g. regsiter EPR, and do periodic pull)

Possibly to things out of band (calculate latancy for all
members, using non WS emchanisms)

Uniform query i/f across both RP and Service groups. -- need leaf
based content/lifetime management to do this.

(Aside, UDDI doesn't meet these requirements)

Slide 3- Existing implementations

Index service - arbitrary operation performed on all registrants

Trigger service - register with it, pluggable/deployed action that
happens on value change notification on any of the entries.

Archive services - Serves as querable over time archive fo values via
notification

Would like to use service groups to drive WSRF actions across group of
regsitrants

Q&A: None

(2 new joins to the meeting, so now quorate)

Issues Review

WSRF44: No obvious mechanism to include only members which extend a certain interface

We believe Tom Maguire as action to on this, posptone, until we hear from tom. Tom has action
item to make proposal
Action: Tom to respond, hopefully with a proposal

WSRF58: ServiceGroup WSDL does not need imports for WSRF-RL WSDL/schema

Spec doesn't references WSDL/Schema, needs to Approach at
f2f was thought this was overkill, just use similar schema Remove
imports from WSDL document -- (Agreed to move all of XSD into an XSD
file, so should be easy) No objections - Editors to do. (resolved)

WSRD-59 (Editorial level details in Service group doc.) e.g. property missing of a UML diagram.

Discussion about controversial level. Is non-controversial, expect for
unsupported i/f fault, which should be withdrawn. - Resolve to pass the
rest to the editors to implement.

WSRF70: Bug in ServiceGroup WSDL

Resolved in issue 60. (Close no action) Bryan Will talk to
developers, to make sure it is correct.

WSRF65: Need a mechanism to aggregate an operation across several resources in a ServiceGroup ~~WSRF66: Discovery of schema for a dynamic resource property~~

mechanism to aggregate operation across several resources in a service group

   SG: talked about for a while. Send a message to a SG, have the
message invoked upon consituuent members.

     q: How do we aggrgeate the resposne
     q: How to we handle faults
      - if only some understand the WSDL, do I invoke on all,
       some, ignroe faults, etc.
      - correlate the responses? Do I wait for all responses,
       etc.
    TB: Did this come from a homogenous service group context?
    Sg: How would uniform service group get enforced
    Martin: Thought we decided beyond scope.

    Was mentioned in Sam's foil set.

    Want to be able to apply management operations across mulitple
    resources.

    OGSA doesn't specifiy aggregation of response/faults

    Just end them a message -- With notification, some notion of
    having subscribed to the topic. -- many messages are request resposne,
    so doesn't help there.

    Martin - if we do this, we can get bogged down.

    sg: service group may allow an optimization point (e.g. service

group which holds the resource, so can locally do it)

(Latha?) Collection of identiifies - however represented -- may not yield themselves into a well encapsulated service group Seems like using a service group adds another step to the process. (e.g. can create set of IDs, without making them correspond to a single service group)

Becomes a question (struggle with OGSA will they adopt WSRF implied resource pattern or not) One missing piece is iterator to do these sorts of things

Sam willing to go off an work on a propsal, Tom as well, Dave Snelling as well. Action: on these people to do so.

All new specs uploaded, as seoon as we have service group, will have ballot to adopt these drafts as drafts. Need to make sure we have read those drafts well enough to consider all issues closed by these drafts to be closed. e.g.

Action: by all to review current drafts. Final reviews needed now.

Straggler's role call.

Close.

Summary of actions

(Chairs) Investigate WIKI site for Developing AppNotes (carried forward from 4th Feb)
(Bryan) Move issues 97, 98,99 and 100 to 'Open'.
(TomM) Respond, hopefully with a proposal to resolve issue wsrf44.
(Bryan) Move issues 58, 59 to resolved.
(Sam, TomM, DaveS) Propose resolution to issue 66.
(All) Review current drafts. Final reviews needed are now.