OASIS Web Services Distributed Management Technical Committee

Sept 29-Oct 1 Face to Face #3

HP

Cupertino, CA

Agenda Sept 29th

Noon Lunch at HP, Welcome

12-1   Arrivals and Lunch (provided at HP)

1 - 2   WSMF OGSI refactoring (HP)

2 - 2:30 WS-Manageability Overview (CA)

2:30 – 5 Meta Model

WSMF Categories

Agenda Sept 30th

8   Arrivals, Breakfast
8 -1   MUWS
8 – 9   Requirements
9 – 10   Grid and OGSI
9 – 11:30   Specification Outline
11:30-12:30 Specification Tasks
12:30 - 1   Specification Editors and Teams
12 -1   Working Lunch
1- 6   MOWS Specification →

Agenda Sept 30th

1- 6   MOWS

1 – 2   Requirements

   - conversations – done

   - WS EE – move to futures section

   - Overall 2 – cim example ref. – remove example

   - Remove brainstorm appendix and refs to it

   - motion to accept reqt's doc w/ these changes made, 2nd, no objections

   - mows requirements draft update will be posted as a committee

2 – 4:30   Specification Outline

4:30-5:30 Specification Tasks

5:30 - 6   Specification Editors and Teams

Group Dinner!

Agenda Oct 1st

8:30   Arrivals, Breakfast

8:30-9:30   WSDM and GGF/CMM

9-11 Specifications - done

- dates
- phases
- Content for phases

4   Roadmap for completion

- Milestones for delivery - done
- TC Subgroup operations - done
- Planning for next Face to Face – done

9:30-10:30 Review and assignment of action items

10:30 done

Bubbles2

- Next charts copied from Bubbles2.ppt

Web service Bucket bubbles

Things that need to be defined in a WS context but do not need to be defined by WDSM. WSDM needs to use these. Which do we need immediately?

- Identification# - HP
- Version*# - GGF
- Attributes# – WS, GGF, HP
- Addressing*# – WS, GGF
- Security*# - WS
- Flow# - WS
- Policy*# - WS
- Negotiation* - GGF

- Notification Mechanism*# – GGF, HP
- Registration/discovery* – WS, HP, GGF
- Collection*# – GGF, HP
- NameResolution# – GGF
- Relations# – GGF, HP
- Logging*# - GGF
- Policy Decision Point/Policy Enforcement Point# -
- Relationship Server# -
- Lifecycle Support - GGF

Manageability Bucket bubbles WSDM should define these

- Event Format and Type*# – GGF, HP, IBM

- Resource State Model*# – GGF, HP

- Metrics# – GGF, HP

- Configuration# – GGF, HP

- Operations – can express in WSDL, are there special concerns for describing ops for manageability

Manageability Bucket Bubbles: to sort out

IBM,CA,TB

- MetaModels:
    - Topics:
        - Identification,
        - Configuration,
        - Metrics,
        - State,
        - Relationships

    - Aspects
        - attributes,
        - operations,
        - events

HP, WSMF

- MetaModels:
    - Categories (OSI)
        - Identification,
        - Monitoring,
        - Discovery,
        - Control,
        - Performance,
        - Configuration,
        - Security
    - *Using*
        - Attributes,
        - operations,
        - notification types,
        - meta-information

Manageability Bucket Bubbles
To sort out understanding

IBM,CA,TB

- Manageable Resources
- MetaModels:

HP, WSMF

- Metadata
- Specific Representations
- Domain models

Manageability Models

IBM, CA, TB

- Web service Model
  - Web Service Endpoint

HP

- Web service Model
  - Web service
  - Web service execution environment
  - Conversation Model

Management Apps Bucket Bubbles

- Provisioning
- FCAPs:

  Fault, ok

  Config, ok

  Acctg (sla/slo/meter/charge/audit)

  Performance, ok

  Security – securely manageable and

MUWS Spec Outline

- 1. Meta Model
- 2. Architecture – extensive in sep doc; brief in this doc; manager motivation, expose mgbility ifc about resource
- 3. WS Platform Requirements
- identify platform functionality required, which specs should be used, the interim solution if there are not existing specs, or pointer to future
- bubbles on chart1
- i.e. ID, version, notification, collection, relationship, registry, policy , security, addressing, etc.
- 4. Manageability
- identify functionality/capabilities required to support describing and using manageability of resources using Web services
- bubbles on chart2 +
- i.e. Resource state model, event format, configuration, metrics, operations, identity, version, change control, basic relationships for manageability
- 5. Discovery and Introspection
- finding manageable resources
- introspecting manageability interfaces
- 6. Defining a manageability interface for a manageable resource using this specification
- how to mix in functions in section 3 and 4 – probably normative
- profiles of manageable resources? (configurable? monitorable?) not sure if normative
- how to satisfy some of the main usage scenarios? – sep doc
- Appendix for full schemas, namespaces, types
- ? How do we represent in each section with text do we exhibit: schema, example fragment instances (not normative for understanding), and/or other representation of allowable syntax (like in ws-s docs). We have a multiple ifcs issue for examples. Pseudo may help here. Schema defines syntax but is not required as long as syntax is correct (a convention from soap)

Who's reading the spec

- Target audience ?
  - Implementors
    - App development platforms
    - App runtime platforms
    - Manageable Resource owner?
  - From Architecture, define msgs, syntax – senders/receivers of msgs are audience

MUWS Architecture

- Conceptual model – picture
- Logical model
  - Role & Artifacts definition
    - Responsibilities
    - Capabilities
  - Interaction patterns
  - Manageability Info meta model
  - Distribution arch

3. WS Platform Requirements Section

Identify platform functionality required (in addition to WS-I basic profile), which specs should be used, the interim solution if there are not existing specs, or pointer to future (source bubbles2 chart)

- Identification – Unique Id for svcs
- Version – version of service, in URIs today, w3c tab? sufficient?
- Attributes
- Metadata
- Addressing – like ws-addressing and gsr/gsh
- Security - +bootstrap security mode?
- Flow
- Policy – may not be reqd for vers 1
- Negotiation

- Notification Mechanism
- Registration/discovery
- Collection
- Name Resolution
- Relation
- Relationship Service?
- Logging
- Policy Decision Point/Policy Enforcement Point
- Lifecycle Support

4. Manageability

Identify functionality/capabilities required to support describing and using manageability of resources using Web services (bubbles on chart2 +)

- Properties, operations, events & metadata
    - Identity
    - Version
    - Change control
    - Metrics
    - Configuration
    - State
    - Relationships
- Resource State Model – description of states/transitions
- Basic relationships for manageability (metadata?)
- Event Format and basic Types
- Metric description
- Configuration ?
- Change control

5. Discovery and Introspection

1. finding manageable resources
2. introspecting manageability capabilities

MUWS Spec Tasks/Editors

1. Meta Model

2. Architecture

3. WS Platform Requirements

4. Manageability

5. Discovery and Introspection

6. Defining a manageability interface for a manageable resource using this specification

Tasks:

- Meta/Architecture task – UArch – **Zulah lead**, Heather, Winston, Igor, GeoffB. Richard N., KarlS., Andrea, Rajiv

- WSPlatform requirements/recommendations task – **WilliamV. lead,** Heather, Igor, Homm., AndreasD., TomS.

Editors – John DeCarlo, WilliamV., PaulL., Heather

MOWS Spec Outline

1. Overview of manageability model of Web service endpoint, use of MUWS
2. Identification
3. Configuration
4. Relationship
5. Metrics
6. Lifecycle / Status
7. Change Description and Notification
8. Sessions (may stand alone or merge into previous)
9. Example, separate Primer document?

AppendixA: Representation with schemas, etc.

MOWS Spec Tasks, Editors

1. Overview of manageability model of Web service endpoint, use of MUWS
2. Identification
3. Configuration
4. Relationship
5. Metrics
6. Lifecycle / Status
7. Change Description and Notification
8. Sessions (may stand alone or merge into previous)

Tasks:

UML Models Task – **Igor lead**, BrianC, BryanM., Mark, Dan, FredC., Andrea, GeoffB, WilliamV., KarlS.

Editors: Igor, BryanM., BrianC., Fred, Heather

Editors

- MOWS Specification - Igor, BryanM., BrianC., Fred, Heather

- MUWS Specification - John DeCarlo, WilliamV., PaulL., Heather

- Glossary - Mark Potts, Andrea W., Heather, Judi (Andrea lead)

Teams

WSDM – 1/2hr – Attendance/reports/issues from teams, Th 12:45-1:15

Calls – Reuse existing time

Mailinglist – Use wsdm list with prefixes

Attendance – WSDM ½, subs don't count

- MUWS Arch [UArch], Zulah, Th 12:00-12:45E
- MUWS WS Platform [UPlat], William, Th 1:15-2E
- MOWS WS UML Models [OMod], Igor, Tues 1-2E
- MUWS/MOWS Editors - adhoc

Timelines & Milestones

- MUWS Arch
  - Nov 1 – first draft
  - Dec 1 - done
- MUWS WS Plat
  - Nov 1 – identify req'd, recommend approach
  - Dec 1 – draft req'ds for first submission
- Manageability
  - Nov 1 - start
  - Dec 1 – scope , State model, event fmt, umls for base manageability model
- MOWs Model
  - Nov 1 first draft
  - Dec 1 models

Specification Phases

- Define at next F2F, Beg Dec
- Stack o'Specs/Bubbles/Roadmap?
- MUWS arch, plat recommendation, manageability?, discovery?
- Glossary
- MOWs models & representations

Going forward from last F2F about a month behind…

1. Finish MOWS requirements document (Mark Potts – lead; MOWS mailing list convention; Editors: Igor/Karl) – End o'August **done**

2. Approve MUWS requirements document – whole TC; MUWS mailing convention – 15th August, Pankaj submit by Aug 1, John DeCarlo to wrap up **done**

3. Read submissions and have technical discussions thru end Aug.
   1. Comments on submission prefix with with WSMF **Read submissions**

4. discuss/develop refactoring of WSMF on OGSI-**Discussed**
   1. Refactoring on OGSI (Homayoun - WSMF prefix)
      1. Discussion - August 15th
      2. Refactoring submission – end of August

5. Develop consensus on a 'roadmap' ideas (Roadmap prefix - TC) – 3rd week of August **- Bubbles getting close**

6. Develop joint workgroup with CMM **Still discussing +OGSI, GGF accomodation** (Heather/Winston/Ellen/Steve Tuecke)

7. Develop phased approach for specifications–Aug. 28 next f2f

Going forward – CMM WG from last F2F

Develop joint workgroup with CMM. CMM is chartered to do overlapping work with Management Using. Propose to CMM WG that we

- TC commit to OGSI infrastructure – Aug 14th
- have joint meetings (or membership integration) – Sept 1
- develop a joint specification under OASIS document process
- open drafts and emails to public – immediately (chairs)
- share MUWS/MOWS requirements documents to obtain agreement – Aug 15th
- allow GGF CMM group email access without being OASIS WSDM voting member - move to 'wsdm comments' list – immediately – NOT AN OPTION
- extending invitation for OASIS membership (or free membership) to GGF CMM members (6 companies, observers?) who are not OASIS member companies so they can be Voting Members. – Aug 7th
  - Mutual membership relationship???

Next Face to Face - Dec

- Austin, TX
- Host by Dell (Winston)
- Proposed Dates: Dec 2 noon to Dec 4 noon
- Prereqs for next F2F:
  - UArch draft
  - UPlat draft
  - UMility scope, basis mility model, resource state model, event format
  - OMod model
  - MOWS renderings progress
  - Glossary draft

Action Items till next F2F

- Post approved MUWS requirements, HK, next week
- Igor send HK approved MOWS requirements next week
- Post approved MOWS requirements, HK, next week
- UArch Draft – Zulah/team, Nov 1
- UPlat first set of recommendations, William/team, Nov 1
- OMod models – Igor/team, Nov 1
- Form UMan team Nov 1, HK/Winston
- WDSM/DMTF work register, Winston, next week
- Work through CMM collaboration technicalities – Fred, Ellen, Heather, Winston, Jamie
- Glossary terminology draft, Andrea/team, Nov 1
- HK/Winston update calendars to reflect
- Is call timing an issue for CMM collaboration? And for which calls? 2 weeks.

CMM/WSDM Collaboration

- Collaborate, not if, how
- First need ogsi commitment to ogsi from wsdm and cmm needs to discuss next week
  - What is commitment?
  - Not exclusive commitment to gwsdl
  - Does mean ensure that spec is naturally implementable on ogsi
- One approach is to develop a single spec in tc w/ text/umls. Renderings of models distinct – wsdl1.1 independent of ogsi rendering, wsdl 1.2 coming.
- CMM may provide gwsdl rendering while wsdm does wsdm 1.1 rendering.
- Timing of conf calls, change in time would allow more participation (4pm or 5pm EST works)
- Public documents - ok
- Mailing list – archives available…, no public interactive mailing list
- Participation in OASIS - ok for most, academics & futures?
- IP – ggf mtgs start with rf commitments; should oasis?
- Doc process – ggf review process, diff from oasis doc process
- What kind of commitment to OGSI does WSDM need?
- >> WSDM could add a requirement onto MUWS Requirements that the WSDM specification will be implementable on OGSI.

OASIS Collaboration Issues

- Jamie Clark

- How well does CMM know its IP issues/goals?
  - Best practices
  - Primer
  - Specification (could reference WSDM specs)

WSDM and DMTF

- Winston to create dmtf work register, for next weeks call

Liaisons & contact points

- for staying in synch, we depend on them
- depend on us?
- Points of contact w/in Oasis that can keep in touch, informal liaisons
- GGF CMM – Ellen & Jim Willits (close)
- OASIS Provisioning – Darren Rolls (close)
- WS-Security – Hal Lockhart (not close)
- DMTF – Andrea Westerinen + Karl
- TOG – Karl Schopmeyer
- W3C-WSArch – Heather Kreger
- W3C – WSDL 1.2 – Igor Sedukhin
- Oasis – BPEL - Sanjeev
- IETF/netConf – watch
- JCP/JSR077 round 2 – watch (guru bhat, karl s.)
- WS-I – basic profile implications
- WS-I - manageable profile in future

Oasis, CMM, DMTF collaboration

- Membership – join oasis, $250 individual membership,
- Document process – docs in public archives, IBM &/or GGF could donate CRM to WSDM so that WSDM could use as input document. Finished work done by WSDM and pointed to by CMM? Or… done by CMM and pointed to by WSDM? Co-publish?(then need to negotiate versioning, ownership, etc.).
- Meetings (conf calls, f2fs) – joint mtgs? Difficult w/o joint membership because of membership. Can co-locate but meet as one or other. Unofficial work needs to be reintroduced into TC.
- Contributions – from GGF, ip, permissions need to be shared, give permission to oasis on contribution
- Mailing lists
- IP -