

# DAIS Spec Issues

## GGF12

# WS-DAI Open Issues

- 1103 Top level default data access Open 1
- 1099 Naming Open 1
- 977 Disconnected Data Sets Open 1
- 935 Relationship with other specifications Open 2
- 1104 A generic get property message exchange Open 2
- 1102 What security hooks are required Open 2
- 1101 Review Faults proposition Open 2
- 934 Dynamic specification of request/response types Open 2
- 937 Consider data management interfaces Open 2
- 1098 Continued reference to OGSA Data Services Open 3
- 972 Exposing access privileges Open 3
- 968 Definition of data resource Open 3
- New – Faults associated with behavioral properties
- New – What happens to user defined types in responses

# 1103 - Top level default data access

- DAIS defines data access interface that are particular to the type of access being performed
  - SQL, XPath, XQuery etc.
- Should WS-DAI define generic operations that work against any data resource? E.g.
  - read and replace all data in a data resource
    - Get() / put()
  - Read/update some subset of data
    - responseDoc query ( requestDoc )

# 1099 - Naming

- OGSA defines a three level naming scheme and have started a naming design team
  - Human name
  - Abstract name
  - Address
- What do we need to say, if anything, about naming?

# 977 - Disconnected Data Sets

- Relates to data services created for indirect access purposes as a result of an operation on a parent data service
- Data is connected to the parent data resource
  - Sensitivity = Sensitive
    - Affected by other operations on parent data resource
- Data is disconnected from the parent data resource
  - Sensitivity = NoSensitivity | Insensitive
    - Unaffected by other operations on parent data resource
- How is a disconnected data service requested?
  - Is the sensitivity behavioral property sufficient or is this just a reflection of the status of the service requested in other ways?
  - How is disconnected data actually stored and where is this storage mechanism specified?
- Can disconnected data be reconciled with the parent data resource?
  - Completely / partially / regularly

# WS-DAIX Open Issues

- 1085 Support for XUpdate? Open 3
- 1086 XMLCollectionAccess:AddSchema Open 2

1086 –

## XMLCollectionAccess::AddSchema

- Is this a capability to be available in the underlying data resource? Is it optional?
- Is the schema bound to individual documents?
- Every document in a collection has to be validated against the schema: Can be an expensive operation.
- How would the client obtain information about what the "schema" of an XML collection is?
- How would the client know what types of data to expect to query against in a collection?
- Too early – there is no agreement yet
- Collections have not been standardised yet

# 1085 – Support for XUpdate?

- What is the status of XUpdate?
- Is it going to die?
- Should DAIX provide support for it?
- Working draft dates from 14 Sept 2000



# WS-DAIR Open Issues

- 1111 Should Specs be Self-contained Open 1
- 1115 What are Properties of Informational Properties Open 1
- 1118 Should SQLRowSet Updates be supported Open 1
- 1112 Should multiple mappings be allowed Open 2
- 1113 Is WSDL Illustrative or Normative Open 2
- 1116 Can a Service only Represent one Data Resource Open 2
- 1108 Should Interface or portType be used Open 3
- 1109 Are wsdaistr and wsdairst too Similar Open 3
- 1110 Is SQLAccessDescription suitable Open 3
- 1114 Assumes WSRF should be reworded Open 3
- 1117 Should XML be updated to reflect CIM Collaboration Open 3

# 1111 Should Specs be Self-contained

- Data Description, Data Access, Data Factories, and Data Management - A brief sentence here explaining each of these would be good in order to have a self contained document.
  - Page 3 – Section 1 Introduction – After Paragraph 2
- A couple of lines defining what is meant by informational and behavioural properties and their differences here would be useful. I know it replicates WS-DAI but it makes the document more self contained and it's a slight head's up before the two are described.
  - Page 6 – Section 5 – Paragraph 1 – Data Description

# 1115 What are Properties of Informational Properties

- What are the properties of these informational properties? If the service under them changes are these expected to automatically update? e.g. a change in schema, a new stored procedure, one less user defined function, etc. Is this determined by another property or is it an implementation OoS?

– Page 7 – Section 5.1.2 – Paragraph 1 – Informational Properties

# 1118 Should SQLRowSet Updates be supported

- Question: if I produce an SQL Row Set and after some changes I want that to be consumed back into the data resource how does one do that? Is that a higher level service or does the consumer suck the data back and then push it back out to another service?

# Backup

# 1108 Should Interface or portType be used

- Why is the term “Interface” used and not “portType”?
  - Page 3 – Section 1 Introduction – Paragraph 2
  - Page 5 – Section 4.1 Types of Interface

# 1109 Are wsdaizr and wsdairs too Similar

- What are these namespaces used for. Also, the wsdaizr and wsdairs are way too similar methinks. If we keep it might be a good idea to say a couple of words about what the difference is.
  - Page 4 – Section 2 Notational Conventions – Namespace Table

# 1110 Is SQLAccessDescription suitable

- In so far that you can tie the other descriptions to object (apart from the factory) would it not be good to be able to associate this with an object too, e.g. RelationalDataResourceDescription, except that this is a bit of a mouthful or RelationalResourceDescription.
- This could also be argued from the point of view that the data description describes the data that is being represented and not the access language.
  - Page 5 – Section 4.1.1 – Bullet 1 – SQLAccessDescription



# 1 1 1 2 Should multiple mappings be allowed

- There should only be one canonical mapping else inter-operation goes out the window and there's not much point in having a spec. If we must have multiple mappings then we must be very careful and have requirements. Either way the section as it stands, I feel, is too vague for a spec.
  - Page 3 – Section 1.2 Specification Organisation
  - Paragraph 1

# 1113 Is WSDL Illustrative or Normative

- Something should be said about the sample WSDL and schema in the appendix. A statement should also be made as to whether this is illustrative or normative.
  - Page 3 – Section 1.2 Specification Organisation
  - Paragraph 3

# 1114 Assumes WSRF should be reworded

- “The *DataDescription* interfaces allow a description of data represented by Data Services to be provided.” - This assumes the WSRF model else how would one obtain access to the properties? I think this needs some re-wording.
  - Page 5 – Section 4.1.1 – Data Description – Paragraph 1

# 1116 Can a Service only Represent one Data Resource

- Is this an implicit constraint? A service can only represent one data resource or if it can support more than one it can only describe one?
  - Page 7 – Section 5.1.2 – Paragraph 1 – Informational Properties

# 1117 Should XML be updated to reflect CIM Collaboration

- Another way of doing this is not to put an element but place a comment inside the sequence with `<!--Content will be determined from a collaboration with CIM -->`
  - Page 7 – Section 5.1.2 – Paragraph 1 – Informational Properties