GLUE2: Naming and LDAP rendering

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Outline

• Naming conventions
  • Status
  • Further actions

• GLUE2 LDAP rendering
  • Status
  • Further actions
Naming conventions: Status

- ServiceTypes 80% complete, link to WIP posted on the wiki
  - Some choices still need to be understood
- Critical items: InterfaceName_t, Capability_t
- All other enumerations to be revised!
Naming conventions: Further actions

- Close critical items. Date? This is a time consuming task :(  
  
- Define a consistent naming scheme; please see proposal.  
  
- Define an update process for the future
Major changes:

- Proposal of a concrete DIT based on existing implementations. (Although still not mandatory)
  - Three levels of information aggregation:
    - Local (resource-level, basically no aggregation)
    - Domain (aggregation of local levels)
    - Global (aggregation of Domain and local levels)
- GLUE2GroupID choosen to be more expressive
- Discovered various things we should agree on
GLUE2 LDAP rendering: Things we should agree on

- Approval of the proposed trees
- Selection of grouping elements in synch with XML
- Structural and Auxiliary types
- Choices for attribute names forming the DNs
- GroupID which is not an ID
- OID allocation mechanism
GLUE2 LDAP rendering: local/resource tree

Local level

GLUE2GroupID=local

Admin Domain

User Domain

StorageService

ToComputingService

Storage Share

Storage Manager

Storage Service Capacity

DataStore

Storage Access Protocol

Storage Access Endpoint(s)

Mapping Policy(ies)

Storage Share Capacity

ToStorageService

Benchmark

Application Handle(s)

Application Environment(s)

Execution Environment(s)

GLUE2GroupID=Application Environments

GLUE2GroupID=Execution Environments

GLUE2GroupID=Computing Activities

Computing Share

Computing Manager

Computing Endpoint(s)

Access Policy(ies)

Location

Contact

Endpoint(s)

Service

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GLUE2 LDAP rendering: Domain tree

Domain level

- o=glue
- GLUE2GroupID=local
- AdminDomain
  - Local source X
    - Service
    - Computing
      - Service
    - Storage
      - Service
  - Location
  - Contact
  - Endpoint(s)
  - Access
    - Policy(ies)
- GLUE2GroupID=services
  - Local source Y
    - Location
    - Contact
    - Endpoint(s)
    - Access
      - Policy(ies)
  - Local source Z
    - Location
    - Contact
    - Endpoint(s)
    - Access
      - Policy(ies)
GLUE2 LDAP rendering: Global tree

Global level

- **o=glue**
- **GLUE2GroupID=grid**
- **GLUE2GroupID=local**
- **GLUE2GroupID=services**

- **AdminDomain1**
  - **AdminDomain1.1**
  - **User Domain X**

- **AdminDomain2**
  - **User Domain Y**

- **Domain source**

- **Endpoint(s)**
  - **Location**
  - **Contact**
  - **Access Policy(ies)**

- **Service**
  - **Computing**
  - **Storage**