



**NORDUGRID**

*Grid Solution for Wide Area  
Computing and Data Handling*

## **Glue 2.0 thoughts from Nordugrid**

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## version 2: general thoughts

- information model:
  - an abstraction and representation of grid entities and their relationships
  - chose the main objects, define the scope of the model
  - independent of implementation, protocol-neutral, platform-independent
  - the model should move closer to the SOA world
- Implementations or mappings:
  - define proper mapping, more formal rules
  - should be considered as part of the specification
  - drop the glue prefix ?

## on computing service

- The computing service should include the description of the hardware behind. One of the biggest problem of glue-1.2 is the fact that the CE is decoupled from the actual hardware.
- No need to expose internal computing service properties such as `cluster.tmpdir`
- The schema should avoid using middleware specific attributes
- be able to describe software environments
- Authentication & Authorization info
- The way resource characteristics are presented in the schema should relate to the job description, the schema and job description should be synchronized

## other issues

- grid jobs are important entities
  - job state, job data, etc..
- take care of the attribute semantics: "UniqueID = string" is rather ambiguous
- Ideally Glue should provide a model pluggable into several OGF areas: BES
- reconsider "VOView"
- names, names, names: maxwalltime, max obtainable walltime -> default walltime, maxwalltime, StateStatus, InfoContactString