

GLUE2 Open Enumerations Status

Florido Paganelli, Lund
University

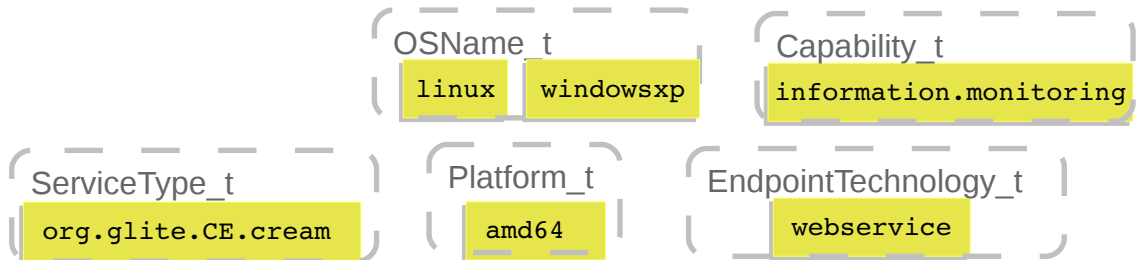
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Outline

- What are OEs
- Why proposing OEs
- Best practices document
- How to propose new OEs values
- Validation process
- CSV files
- Pending Tasks

What are Open Enumerations

- Defined in GFD147
- They are **values** of Data Types for GLUE2 attributes. Datatypes are like: `ServiceType_t`, `InterfaceName_t`, `Osname_t`, `EndpointTechnology_t`
- **OEs Values** are strings. Some of these strings may have a namespace-based format. Few examples:



What are OEs contd.

- Each string has a textual description

`information.discovery`

capacity of locating unknown resources or services, possibly satisfying a set of requirements

`org.nordugrid.arex`

NorduGrid Resource
Coupled Execution Service

- GFD.147 already defines some of them in Appendix B, look for examples!
- Open** means that communities using the GLUE2 standard can propose new values to be added to the existing lists

Why proposing OEs values

Proposing OEs values means to request the GLUE2 WG to **validate** them and add them to a registry

→ They will become official and can be downloaded from the group's git-hub as CSV files



Interoperability: Avoids clash of similar values

→ GLUE2 WG group can recommend better values



Validation: tools can automatically download the strings from git-hub and check



The best practices document

New!

http://redmine.ogf.org/projects/glue-wg/wiki/Enumerations_procedures_and_best_practices_v10

- Defines namespace format
- Describes the contents of git-hub CSV files
- Defines rules of thumb for the GLUE Working Group to manage OEs values

How to register new values

1. Read the procedure at:

http://redmine.ogf.org/projects/glue-wg/wiki/Enumerations_procedures_and_best_practices_v10#3-Requesting-new-Open-Enumerations

2. Send an email to the
GLUE Working Group
glue-wg@ogf.org



Validation in short

When a proposal arrives to the group, its members:

- Check that the values have the correct syntax and are consistent with the requirements in the best practices document;
- If there is clashing values, propose solutions and then assign a *Status* to each value:
 - *Recommended* if it should be used
 - *Deprecated* for those values that should not be used anymore.
 - *Obsoleted* for values related to something that is not in use anymore.
- For each of these values adds their *Status* to the git-hub CSV for public access.

CSV files in the git-hub repository

- Contain values that should be used, but also keep track of what is not in use anymore

Enumeration_type	Enumeration_value	Description	Status	Recommended	Deprecates
ServiceType_t	org.nordugrid.arex	NorduGrid Resource Coupled Execution Service	Recommended		ARC-CE org.nordugrid.execution.arex org.nordugrid.information.aris
ServiceType_t	ARC-CE	NorduGrid Resource Coupled Execution Service	Deprecated	org.nordugrid.arex	

Pending tasks

- Only **ServiceType_t** fully published so far.
- **InterfaceName_t**, **Capability_t** have been partially published. Capability is not well defined in the best practices document, and might need further discussions.
- Need to publish the rest of enumerations.
 - Some are tricky, i.e. **Platform_t** as OS names frequently change
- Anyone volunteering?
- Group might provide more formats than CSV upon request

References

- **GLUE2 Model**
<http://www.ogf.org/gf/docs/gfd.php?gfd=147>
- **OGF GLUE2 WG Wiki**
<http://redmine.ogf.org/projects/glue-wg/wiki#Open-Enumerations>
- **GLUE2 WG Git-Hub**
<https://github.com/OGF-GLUE/Enumerations>
- **Open Enumerations best practices and procedures**
http://redmine.ogf.org/projects/glue-wg/wiki/Enumerations_procedures_and_best_practices_v10