

# **GLUE2 Open Enumerations Status**

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# Outline

- What are OEs
- Why registering OEs
- The new best practices document
- How to register new OEs values
- CSV files
- Pending Tasks

# What are Open Enumerations

- Defined in GFD147
- Data Types for GLUE2 attributes
  - Namespace-oriented strings

`org.glite.<service>`

`unicore6.StorageFactory`

`execution.<capability>`

- 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

- New strings added by communities that make use of the GLUE2 standard

# Why registering OEs

Registering OEs means to notify the GLUE2 WG of their existence  
→ They will be 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](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 names

# 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](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



# 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_t type	Enumeration_value	Description	Status	Recommended	Deprecates
ServiceType_t	<a href="http://org.nordugrid.arex">org.nordugrid.arex</a>	NorduGrid Resource Coupled Execution Service	Recommended		ARC-CE <a href="http://org.nordugrid.execution.arex">org.nordugrid.execution.arex</a> <a href="http://org.nordugrid.information.aris">org.nordugrid.information.aris</a>
ServiceType_t	ARC-CE	NorduGrid Resource Coupled Execution Service	Deprecated	<a href="http://org.nordugrid.arex">org.nordugrid.arex</a>	

<https://github.com/OGF-GLUE/Enumerations>

# 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](http://redmine.ogf.org/projects/glue-wg/wiki/Enumerations_procedures_and_best_practices_v10)