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WLCG Global Information Registry

Introduction

The WLCG Global Information Registry prototype [↗](#) brings together information published by different grid infrastructures like EGI and OSG. It shows both information on pledged resources and actual available resources. The WLCG Global Information Registry aims at aiding LHC experiments to configure their own experiment databases for job submission and storage management by providing a single entry point for information on WLCG resources.

Hotfixes

Please, find the list of hotfixes agreed by all LHC VOs that will be implemented in the Global Information Registry until they are eventually fixed in the corresponding information sources.

Comparator

Please, find the comparison results between the Global Information Registry and AGIS.

Requirements

Job Submission

ATLAS

The following attributes should be provided to enable populating the ATLAS AGIS database used to submit jobs.

AGIS	GLUE 1.3	GLUE 2.0
ce_endpoint	GlueCEHostName	GLUE2EndpointURL
ce_flavour	GlueCEImplementationName	GLUE2EndpointInterfaceName
ce_jobmanager	GlueCEJobManager	GLUE2ManagerProductName
ce_queue_maxcputime	GlueCEMaxCPUTime	GLUE2ShareMaxCPUTime
ce_queue_maxwctime	GlueCEMaxWallClockTime	GLUE2ShareMaxWallTime
ce_queue_name	Glue CEName	GLUE2ShareMappingQueue
ce_queue_status	GlueCEStatus	GLUE2ShareServingSate
ce_version	GlueCEImplementationVersion	GLUE2EndpointImplementationVersion
rc	N/A (Rebus Federation)	N/A (Rebus Federation)
rc_site	GlueSiteUniqueID	GLUE2ServiceAdmindomainForeignKey

In order to provide the previous information, the following attributes are also needed. Note that in GLUE 1.3 the foreign key relationships are more complicated:

GLUE 1.3	GLUE 2.0
GlueServiceUniqueID, GlueForeignKey: GlueSiteUniqueID	GLUE2ServiceUniqueID, GLUE2ServiceAdmindomainForeignKey
In GLUE 1.3 there is a constraint that one service can only contain one endpoint	GLUE2EndpointUniqueID, GLUE2EndpointServiceForeignKey
GlueServiceUniqueID GlueVOViewLocalID (not globally unique), GlueCEUniqueID= (from the CE GlueForeignKey: GlueClusterUniqueID)	GLUE2ComputingShareUniqueID, GLUE2ComputingShareServiceForeignKey

GlueCEUniqueID, GlueForeignKey: GlueClusterUniqueID	GLUE2ComputingManagerUniqueID, GLUE2ComputingManagerServiceForeignKey
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LHCb

- GOCDB downtimes associated to the computing resources have been requested by LHCb and added to the registry.

Storage Management

ATLAS

AGIS	GLUE 1.3	GLUE 2.0
se	GlueServiceEndpoint	GLUE2EndpointURL

| se_flavour | GlueServiceType | GLUE2EndpointImplementationName |

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