

# Information system and GLUE2 support

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- GLUE2.0
- GLUE2.1
- Future

- Services that publish through GLUE 2.0 in the BDII
  - bdii\_site/bdii\_top
  - CREAM
  - MyProxy
  - castor/DPM/LFC/eos
  - dCache
  - StoRM
  - Argus
  - voms
  - WMS/LB

- FedCloud extensions allow monitoring and discovery
  - IaaS (OCCI)/STaaS (CDMI)
  - Under discussion for the GLUE 2.1 update
- Not yet GLUE2 ready
  - ARC publishes GLUE 2.0 as well, but it is not entirely compatible with the Top-BDII
    - Not published in the BDII
  - Unicore
  - Globus (to be tested)

- GLUE 2.1 still draft, need to be finalized and approved
- Meant for cloud and GPU
- Backward compatible with GLUE 2.0

# EGI use of the information system

- GOCDB and BDII are both needed
- GOCDB
  - Configuration of sites/services
  - Record of staff and roles
  - Mainly used for operational tasks not directly by end users
- BDII
  - Used by sites to publish the detailed information about the production services
  - Used to monitor services, checking the overall infrastructure status, e.g. MW versions
  - Only source of information to assess the capacity of the infrastructure
  - Already used to monitor the FedCloud infrastructure (OCCI/CDMI)
  - Used by the VO to browse the infrastructure for services supporting their community
    - Very critical to enable opportunistic usage
- EGI workflows still heavily depend on the information system

- New development efforts will only consider GLUE 2.x
  - Operations tools are moving to GLUE2.0
  - Operations Portal is developing information aggregation features for the BDII GLUE2.x data
  - Middleware product teams asked to provide information at URT meeting mid of September about the status of GLUE2 support
- GLUE2.1
  - It has been left behind in the last year due to lack of effort
  - It is needed to integrate the new services such as the Cloud and GPGPU

- EGI still heavily relies on the information system
  - Non existing or incomplete information in the BDII would impact operational activities and, Vos
- EGI is investing in GLUE2 trying to push for its adoption

# Thank you for your attention.

*Questions?*



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