

Proposal to use GOC-DB as the only source of topology information for ARGO

Alessandro Paolini



- The ARGO framework is responsible for:
 - monitoring all EGI production services
 - computing the availability and reliability of the monitored services
- Services are monitored by Nagios probes provided by service product teams
- Two sources of topology information
 - GOCDB: NGIs, sites, services, contacts, operators roles
 - BDII: service endpoint URLs, service attributes
- Certification infrastructure (BDII+WMS) decommissioned few weeks ago
 - No more way to monitor the “uncertified” sites during the certification procedure (new or previously suspended sites)
- Proposed solution by ARGO: store into GOC-DB also some of the BDII information needed by the probes to work properly

- Proposal: GOC-DB as the only source of topology information
- Store in GOC-DB the service endpoint URLs for all the sites
 - Already in use for FedCloud services
- Main advantages with a single topology source :
 - It makes easier tracking an issue
 - Uncertified and certified sites (resources) can be monitored by ARGO
 - Better control by site-admins on what is being monitored
 - Easier development of new probes because the topology information would be available on GOC-DB

- Sites add a service endpoint URL for each service for monitoring purposes:
 - No limit on the number of endpoints per service
- The monitored service endpoints will be properly flagged:
 - It is required on GOC-DB a new “Monitored: Yes/No” attribute
- Service URLs to add:
 - CREAM-CE: GlueCEUniqueID from BDII (e.g. cream.esi.eu:8443/cream-pbs-ops)
 - SRM: GlueServiceEndpoint from BDII (e.g. httpg://se.esi.eu:8444/srm/managerv2)
 - Other services: GlueServiceEndpoint from BDII

- In case a probe required additional information, the extension properties will be used
 - Key / value pair
 - Currently not required
- Adding information manually is preferred
 - From past experience, doing it automatically would cause more issues

- Not yet approved, timescale not yet defined
- Proposal presented in the September OMB
- In the October OMB we will discuss the feedback from NGLs&sites about the proposal
 - It requires effort by site-manager, currently the information is provided automatically by the BDII
- Some development in GOC-DB and ARGO needed
- Start with the uncertified sites, then all the others
- Interim period: consuming both BDII and GOC-DB
 - If no issues, only GOC-DB will be kept as topology source

Thank you for your attention.

Questions?



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