

Test Infrastructures

GOCdb and COD



- Discuss with the GOCdb developers a proposal on how to integrate test resources into the infrastructure without fiddling and tweaking
 - Include test resources
 - Include test sites
 - Site certification
- Review site certification status vs “production” vs “test” infrastructure in the GOCdb

- Until recently, the GOCdb was EGI-only
 - Making GOCdb ready for multiple projects
 - EUDAT, to name one
- Find an elegant way to include test resources/sites and do site certification.
- If resources are shared by multiple projects, only one downtime should be declared.

- No longer “production” and “test” infrastructure but so-called target infrastructures
- Target infrastructures may be “EGI Production”, “EGI Test”, “EUDAT”, “Whatever”.

- A site in any of these target infrastructures may have a certification status, i.e. candidate, uncertified, suspended, certified
- These statuses may be set but it is up to the project behind the target infrastructure to determine what the consequences are of having such a status, for example:
 - being certified in the “EGI production” target infra could mean: monitored, exposed to operational tools, A/R computations, suspension
 - Being certified in the “EGI test” target infra could mean: monitored

- The name of the target infrastructure has no meaning. It is just something to identify a target infrastructure with.

- Proposal:
 1. “Site.scope” will be used to define target infrastructure. “SE.scope” will be used to define the service endpoints target infrastructure
 2. Scope values are multi-selection, allowing site and SE to be associated with multiple target infrastructures.
 3. The available options for the SE.scope will be limited to the parent Site.scope. This way, SE can't define a scope that is not already defined by its parent site.
 4. The “Site.Production_Status” is EGI specific and should be used to represent the site's quality (production, Test,...) and not to identify the target infrastructure
 5. It will be possible to define a GIS Url (i.e. sitebdii) per target infrastructure.
 6. The present certification statuses will remain.

- “Visible to EGI” for sites and resources can go
- Project Data like: Production Level, Beta and Monitored are not needed anymore
- However, Site.Production_Status can be retained for Glue compliance, indicate quality level or in the transition phase between the old and new situation.

- Use case 1, site with test service:
 - Site is in “EGI Production” and has SEs in “EGI Production”
 - Site and its SEs are scoped also as “EGI Test”
 - A EGI Test sitebdii needs to be setup and registered in GOCdb containing the EGI Test-scoped service endpoints.
 - Experimental SE is only scoped as “EGI Test”
 - Users find “Production” site with “Production” SEs as well as experimental SE in the EGI Test toplevel-BDII
 - Experimental SE will have no impact on EGI Production A/R.

- Use case 2, site certification
 - Site is scoped as “EGI Test, EGI Production” as well as its resources
 - Site is set to certified in EGI Test which means that it is exposed to the Ops tools which would include nagios monitoring and as uncertified in EGI Production
 - Site pops up in EGI Test BDII but not in EGI Production BDII
 - If green for three days, site is set to certified in EGI Production.