Test Infrastructures

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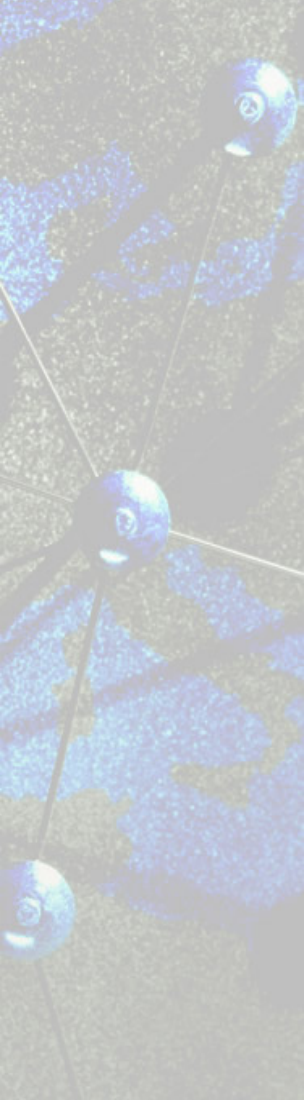
e-infrastructure

- Come up with a proposal on how to integrate test resources into the infrastructure
  - Test resources
  - Test sites
  - Site certification
- Review site certification status vs "production" vs "test" infrastructure in the GOCdb

GOCdb

- Until recently, the GOCdb was EGI-only
- Making GOCdb ready for multiple projects
  - EUDAT, to name one
- No longer "production" and "test" infrastructure but so-called target infrastructures

- Target infrastructures may be "EGI Production", "EGI Test", "EUDAT", "Big Fluffy Turtle"
- 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

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- Resources in multiple sites can be aggregated in "service groups", i.e. a virtual site

- Service groups are not target infrastructure aware

- Number of issues
  - Resources shared among a number of project all end up in service groups which may become overcrowded and leave regular sites nearly empty
  - Different GOCdb instances make it necessary to declare downtimes in a number of GOCdb's for the same resource

- Proposal by David Meredith:
  - Site.scope will be used to identify target infrastructure

  - Scope value will become multi selection

  - SE.scope will be limited to parent site scopes

  - Site.Production_Status is used to define the quality of the site and not TI. Is EGI specific

- My opinion
  - I like this proposal
  - Since sites can be part of multiple TI, no more downtimes in multiple GOCdbs
  - Site.Production_Status is not needed if
    - Being certified in a TI means that you are monitored and expose to operational tools of that TI
    - "Visible to EGI","monitored" and "production" are no longer needed because "exposed to OT" can mean different things in different TIs. For TI EGI Production certified means monitoring, alarms, A/R and for EGI Test it could mean only monitoring

- 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"
  - Experimental SE is only scoped as "EGI Test"
  - Users find "Production" site with "Production" SEs as well as experimental SE in 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 OT 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.