



# GOADB

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# Outline

1. Who are we (& who's funding us)
2. What is GOCDB
3. Recent developments
4. Upcoming features
5. Further information & contacts



# Who are we

George Ryall (ME):

- 0.6 FTE
- Based at RAL
- Started working on GOADB at the start of the FY (having previously spent 6 months as part of a graduate scheme placement).

Dave Meredith:

- 0.4 FTE
- Based at DL
- Lead developer

Where does our funding come from?

- Operations: egi.eu, match funded by GridPP
- New developments: EGI Engage



# What is GOCDDB?

## *The Short answer:*

- Grid Operations Centre DataBase: [Goc.egi.eu](http://Goc.egi.eu) – a grid topology database.

## *The Long answer:*

- a central registry to record information about the topology of an e-Infrastructure.
- Currently used by EGI and WLCG, with EUDAT running their own instance.
- Information includes entities such as operations centres, sites, services, service endpoints and their downtimes, users, and the relationships between the above.
- The service enforces a number of business rules and defines different grouping mechanisms and object-tagging for the purposes of fine-grained resource filtering.
- A role-based permissions model allows resource owners to manage their own resources user roles.
- Both a user facing web interface and a read programmatic interface are provided.



# Recent Developments

- Integration with EGI Proxy IdP
- Being used by Elixir early adopters to define their infrastructure
- IPv6 GOCDB test instance
- Dual stack IPv6 test instance (<https://ip6tb-goc.gridpp.rl.ac.uk/portal/>)
- WLCG VO reserved scope tags (wlcg, atlas, alice, cms, lhcb, tier1, tier2)
- Ability to declare downtimes in local timezone
- Downtime calendar



# Upcoming Features

- Write API for service custom properties
  - Will allow the ELCG to remove reliance on BDII (If they decide they definitely want to...) <https://twiki.cern.ch/twiki/bin/view/EGEE/StopBDII#Computing>
  - Each site will be able to define a list of authorised robot DNs.
  - These will be able to use RESTful methods to POST updates to custom properties
    - `‘/gocdbpi/site/<siteId>/updateCustomProps’`
    - `‘/gocdbpi/service/<serviceId>/updateCustomProps’`
    - `‘/gocdbpi/serviceEndpoint/<servEndpId>/updateCustomProps’`
- See the [requirements queue](#) for other requested features



# Further Information and Contacts

- Contact:  
[gocdb-admins@mailman.egi.eu](mailto:gocdb-admins@mailman.egi.eu)
- Discussion list (mainly tool developers using the PI):  
[gocdb-discuss@mailmain.egi.eu](mailto:gocdb-discuss@mailmain.egi.eu)
- Support:  
<https://ggus.eu/>
- Source code:  
<https://github.com/GOCDB/gocdb>
- Requirements tracking:  
<https://rt.egi.eu/rt/Dashboards/5541/GOCDB-Requirements>

