



Authentication and Authorisation for Research and Collaboration

## LIGO Pilot Update

SAML Proxy

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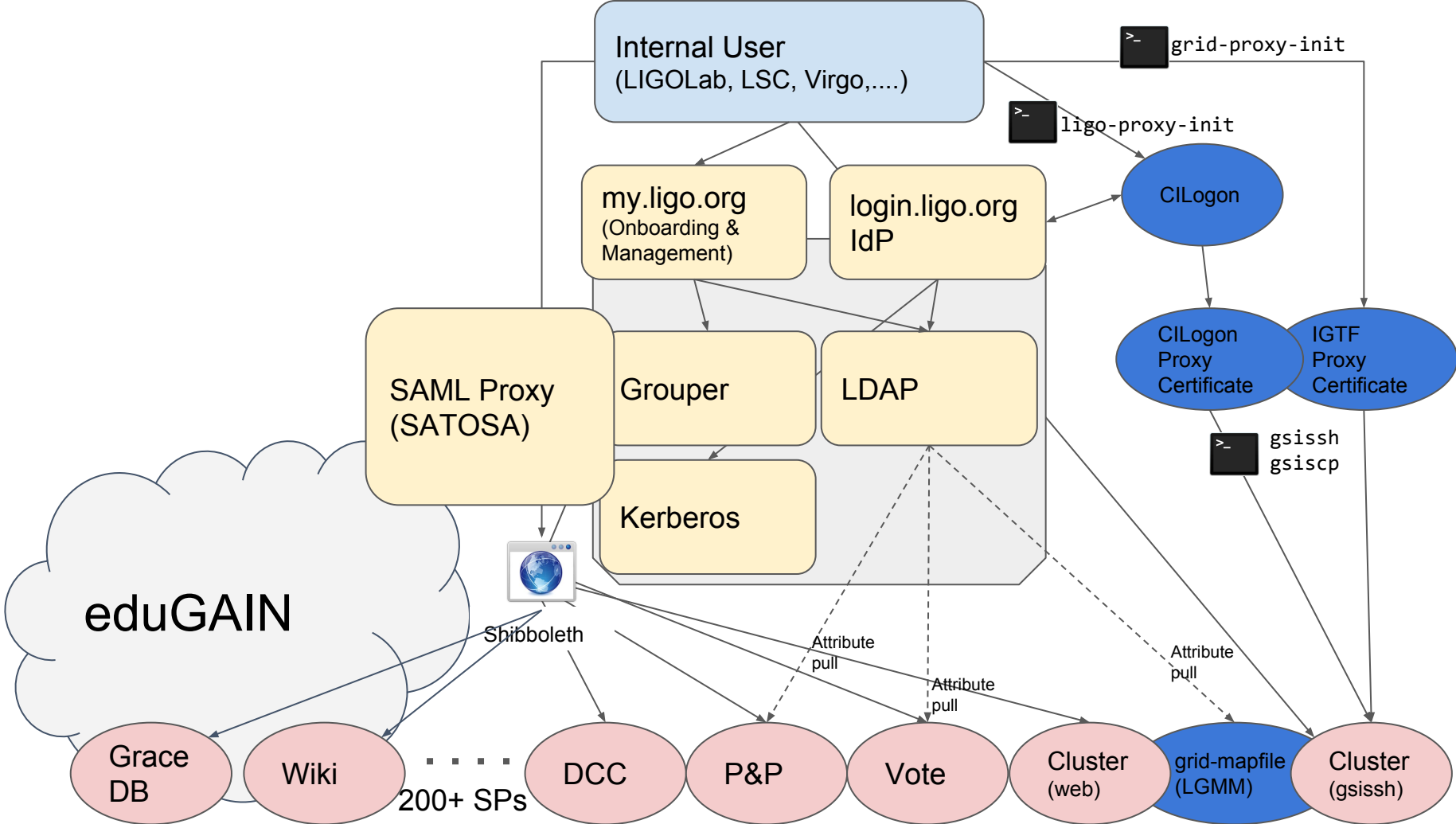
Cardiff University

LIGO Scientific Collaboration

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# Current Infrastructure



- ✓ Aims:
  - Add a SAML proxy for internal usage
  - Start moving SPs to the SAML proxy
  - Document changes required to SP configuration
  - Investigate PyFF for metadata aggregation and discovery service
- ✓ Progress:
  - Working closely with Scott Koranda (LIGO / Spherical Cow Group) and Jouke Roorda
  - Plan to implement Dockerised solution
  - Document changes required to SP configuration
- ✓ Next steps:
  - Actually create SAML Proxy and use internal LIGO IdP
  - Start switching my SPs over (e.g. Cardiff GitLab, wiki, Webserver, JupyterHub .... )
- ✓ Long term:
  - Switch away from my.ligo.org to CILogon hosted instance of COMangage?

# Limitations of Federated Identities

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- ✓ Observatories:
  - LIGO Observatories are in rural locations
  - WAN often fails
  - Currently replicate authentication, IdP, and SPs
  - Would need to retain dedicated LIGO authentication for observatory staff and visitors
- ✓ SSH Access:
  - Still struggling to find good federated solution for SSH access
  - As well as CILogon proxy certificate + gsissh switching to password and/or centrally managed SSH key
  - In a federated world we could create a dedicated password for SSH access
- ✓ Virgo:
  - LIGO work closely with Virgo collaboration and share many resources
  - Virgo does not use any SSO solution or federated identities.

# Thank you Any Questions?

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