



Authentication and Authorisation for Research and Collaboration

## LIGO Pilot Update

SAML Proxy

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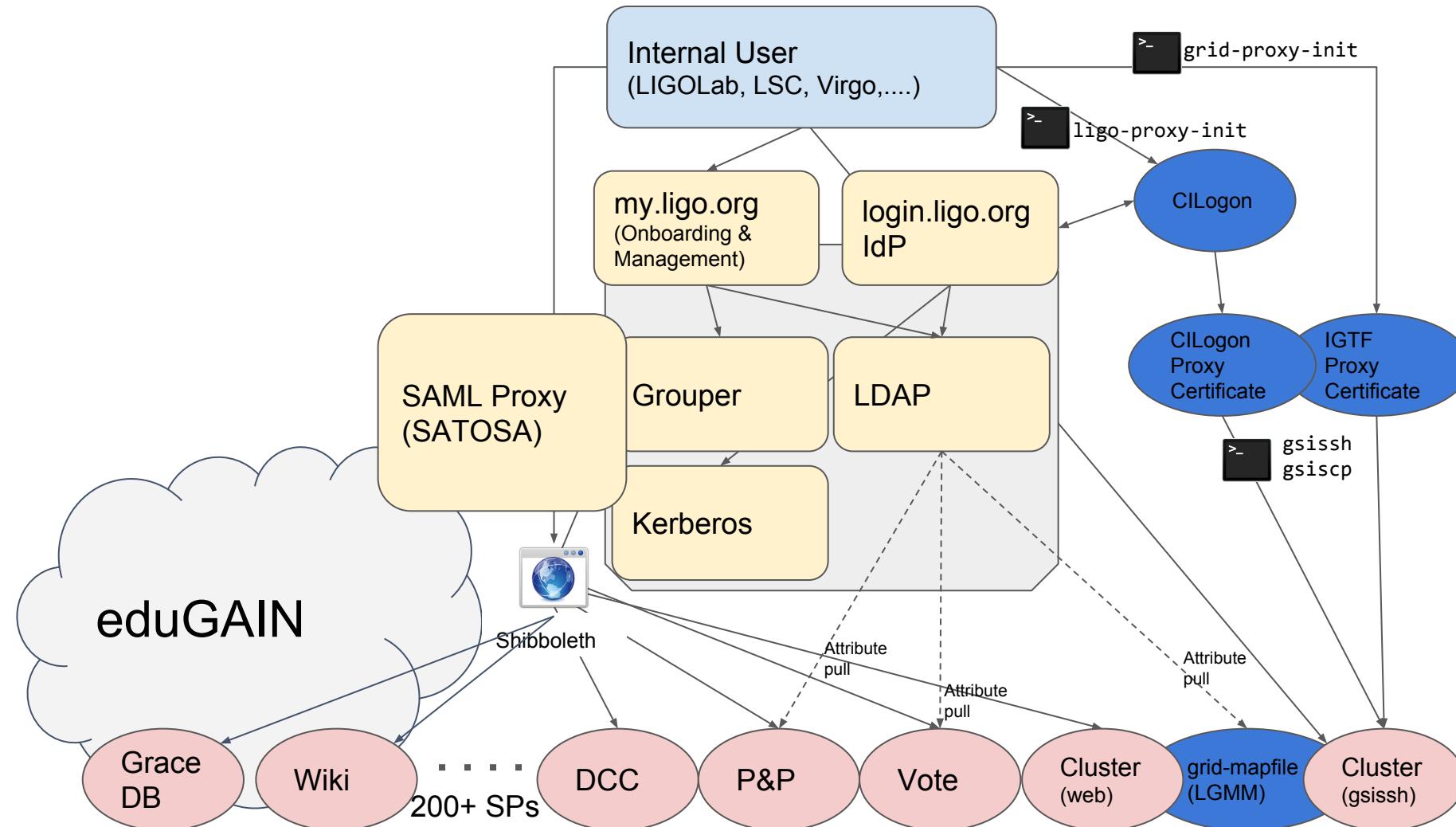
Cardiff University

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?

- ✓ 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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