# GWS Working Group Closing

Jesús Salgado & Sara Bertocco

# DAL/GWS Protocol Transitioning Tiger team (P3T)

- Hard work during last months (Joshua, Pat, Dave, Russ, Brian, Janet…)
  - UWS
  - ExecutionBroker
- Technical improvements proposed and 3 steps for VO protocols
- See Janet's review

# GWS WG Session -
Saturday, November 16, 09:00-10:30

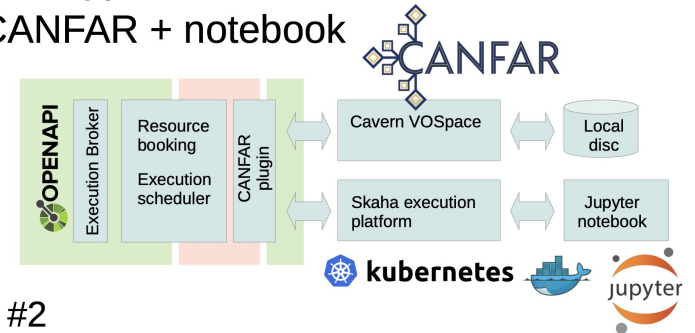| Speaker | Title | Time |
|---|---|---|
| Dave Morris | Execution Planner Update | 15'+5' |
| Yan Grange | Software Discovery Characterisation | 15'+5' |
| Brian Major | Image Metadata for Interoperable, Container-based Science Platforms such as CANFAR | 15'+5' |
| James Tocknell | SSO-next-based approach to allowing non-browser-based VO clients to use OAuth 2.x/OIDC | 15'+5' |
| Sara Bertocco | SSO-next open discussion | |

# Execution Broker

- Good state of the standard
- Two prototypes related with SRCNet to test the approach:
  - Science Platform
  - Openstack-CARTA visualisation
- Several "plugins" expected for different types of infrastructure
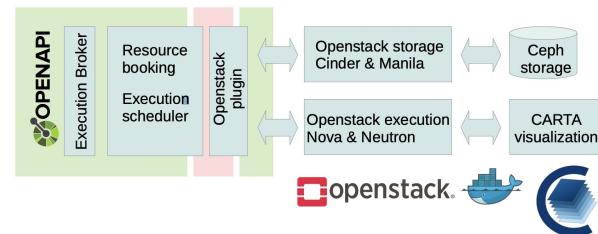- Analyse HPC support (slurm clusters)

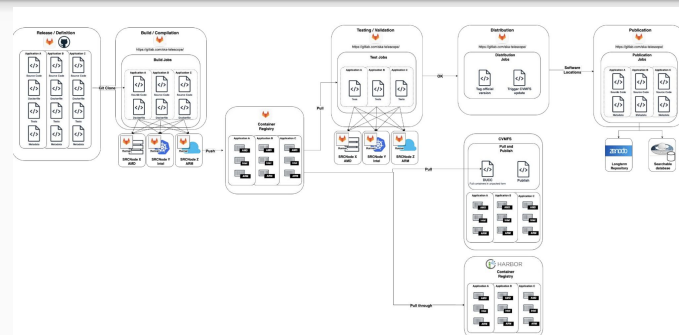Prototype #1
CANFAR + notebook



Prototype #2
Openstack + visualization

# Software Discovery and Transport

- Two presentations:
  - Yan Grange (CodeMeta and software metadata)
  - Brian Major (CANFAR)
- Different Software stacks could allow the software discovery and transport
- Two open issues:
  - Specific metadata like profiling and scientific discovery
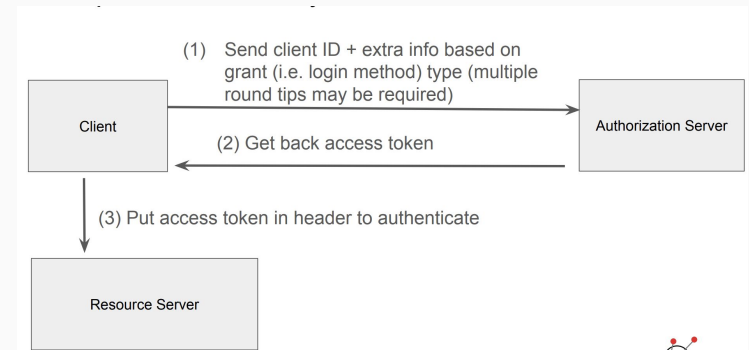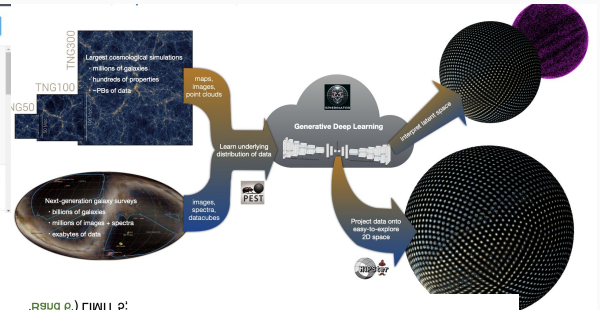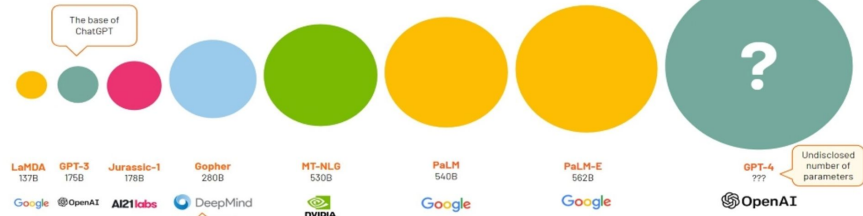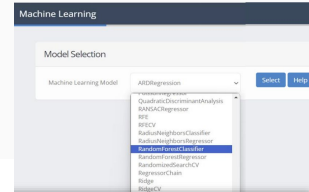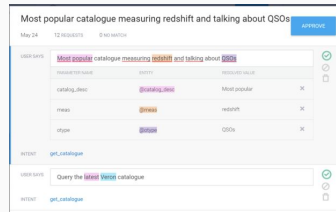  - Security for software repositories (whitelists)

# SSO-next

- Two presentations:
  - James Tocknell (how to allow non-browser based to use OAuth 2.x/OIDC in VO)
  - Sara Bertocco (SSO-Next)
- New version of SSO is needed to upgrade technologies
- This could have impact if we want to provide federated authentication in VO
- IVOA IAM? Endorse note?

# KDD/GWS AI in Astronomy

- Presentations on language models, classification, software to simplify use of ML techniques…
- New technologies and ways to work are emerging and astronomy is a scientific area optimal for it, in particular for big data missions
- Data exploitation could not be fully obtained without these techniques
- Requirements on hardware resources are quite high!
- See Yihan's summary

# Thanks!

Contact us:

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