

Grid and Web Services Working Group

IVOA Virtual Interop – on line 2022a

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GWS hot topics for this virtual Interop

- VO in the Cloud
- Science Platforms
- GWS session

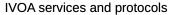








VO in the Cloud session



Move the code

Execution Planner



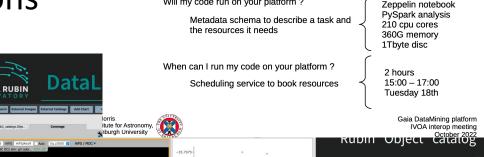
- 3 interestig presentations
- Great participation

Current solution for MAST

Separate MAST service specifically to serve S3 addre

Python client astroquery.mast module custom made for





Will my code run on your platform?

...substantial questions to be answered concerning the application of some standards in the Cloud....



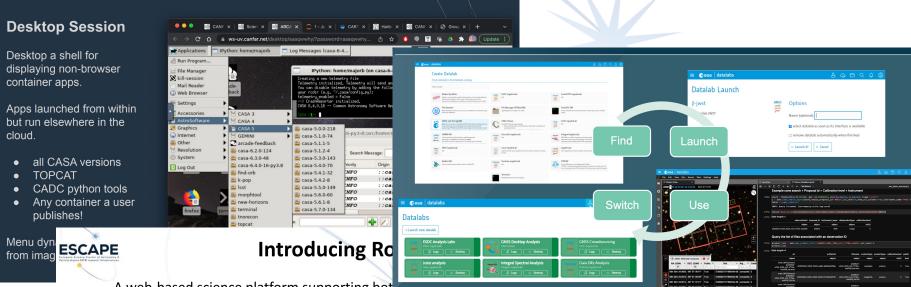


(the target is a simulated RR Lyrae star in our Data

Preview 0.2 system)



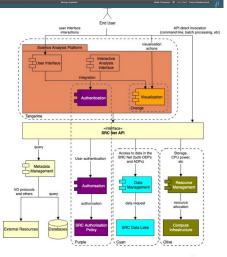
Science Platforms



- A web-based science platform supporting bot analysis environments
- Executes user tasks in software containers on:
 - local CPUs;
 - standalone computing resources
 - HPC clusters and Cloud systems
- Microservice-oriented approach: each task runs in its own co expose its interface directly to the user:
 - \rightarrow Users can choose from different software and interfaces
 - \rightarrow Users can add their own containers

The platform in the SRCNet

The platform brings together all components of the SRC network for the users





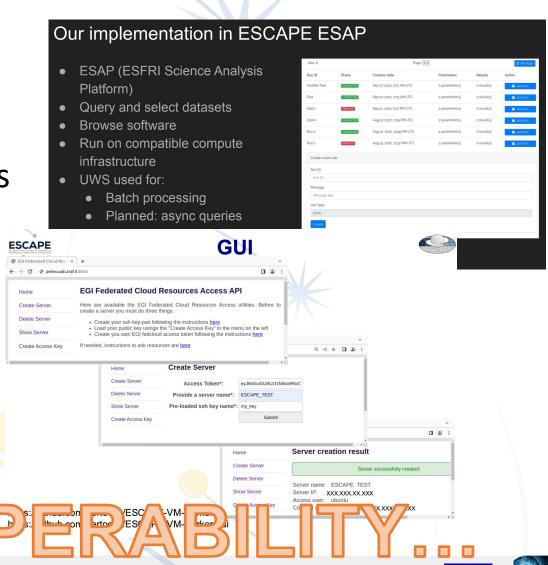




Building a SP requires more than one standard and service...

- Auth/Authz/Acc
- Data access
- Computing access
- Code to data
- Cloud access...

INTERO









Thanks for your attention.

Have had a terrific "virtual" 2022b Iterop!

...Expect follow up during the next semester and at the spring meeting...

Subscribe to grid@ivoa.net http://ivoa.net/members

Slack channel: ivoa.slack.com #grid-webservices



