

Grid and Web Services Working Group

IVOA Virtual Interop – on line 2020b

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Special Guest: Gerard Lemson



GWS Sessions

FOCUS



- Science platforms for theoretical data (simulations) in collaboration with Theory
- Authorization: protocols and Apps



Science Platform Session

Speaker	Title	Time	Material
Gerard Lemson	Introduction to the session	3'	pdf
Bridget Falck	The Indra Simulations on the SciServer Science Platform	12'	pdf
Simon O'Toole	The Australian Astronomical Theory Hub: building a simulation and model archive	12'	pdf
Stefano Russo	Rosetta HPC Science Platform	12'	
	DISCUSSION	15'	

- A joint session GWS Theory
- **Notes:** https://yopad.eu/p/IVOA_Nov2020_GWS_1
- **Goal:** discuss the role of science platform to manage, archive, process, visualize large cosmological simulated data sets.



Science Platforms

- **Presentations and Discussion Topics:**
 - How can we manage large heterogeneous simulated data?
 - How can we use "transparently" of storage and computing resource?
 - How can we join Archive and Simulations?
 - What is the role of IVOA standards (SIM DM), are we using them? Should we improve them, in which directions?
 - How many Libraries for managing simulation outputs exists?
- **Action:**
 - A GWS/Theory workshop in Feb 2021 that involves also groups that are not IVOA related.



Authentication & Authorization

Speaker	Title	Time	Material
Sara Bertocco	Introduction	5'	pdf
Sonia Zorba	OAuth2-based GMS implementation update	12'	pdf
Brian Major	Non-browser client authentication with OAuth2 tokens	12'	pdf
Mark Taylor	Authentication implementation report	12'	pdf
	Discussion		

- Authentication and authorization based on OAuth tokens
- **Notes:** https://yopad.eu/p/IVOA_Nov2020_GWS_2
- **Goal:** presents new experiment, implementations and best practices. Roadmap for GMS.



Authentication & Authorization

- **Group Membership Service Working Draft**
 - We have two reference implementations and we need a validator (X509+OAuth IA2/CADC)
 - Deeply connected with authorization
 - **Actions:** implement a periodic telco to proceed towards PR involving also apps.
- Best practices and examples (“pure gold” for developers!)
 - We need to modify the SecurityMethod adding more “informations” (how clients will find the capabilities)
 - TAP authenticated service, problems and solutions
 - **ACTIONS:** work on tokens, examples are extremely useful (we should have examples of each flow in a standard as a baseline)



Thanks for your attention.

We had a very productive “virtual” 2020 Iterop!
...but I really like when we had the physical ones 😊

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