

Grid and Web Services Working Group

IVOA Virtual Interop – on line 2021b

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GWS agenda at Interop

Schedule Summary						
Session	DateTime UTC	UTC+01:00	UTC-04:00	UTC-07:00	UTC+08:00	UTC+11:00
		Strasbourg	Washington DC	Victoria BC/Pasadena	Perth/Beijing	Canberra
GWS 1	Nov 3 05:00	Nov 3 06:00	Nov 3 01:00	Nov 2 22:00	Nov 3 13:00	Nov 3 16:00
GWS 2	Nov 4 05:00	Nov 4 06:00	Nov 4 01:00	Nov 3 22:00	Nov 4 13:00	Nov 4 16:00

- GWS1 is focused on
 - Science platforms
 - GMS discussion
- GWS2 is focused on
 - VOSpace
 - SSO and Open discussion (open to all WGs)
- Two splinter in Gather.Town
 - execution planner
 - VOSpace and Rucio



Authentication & Authorization

Group Membership Service

- GMS (group membership service) is an API that answers questions about whether a user is a member of a group or which groups they are a member of.
- Great discussion and some interesting outcomes
 - The "recommendation" section for implementation
 - Highly available service
 - Caching to avoid overload of queries
- We extend the RFC period to reply all questions and comments.



Single sign on

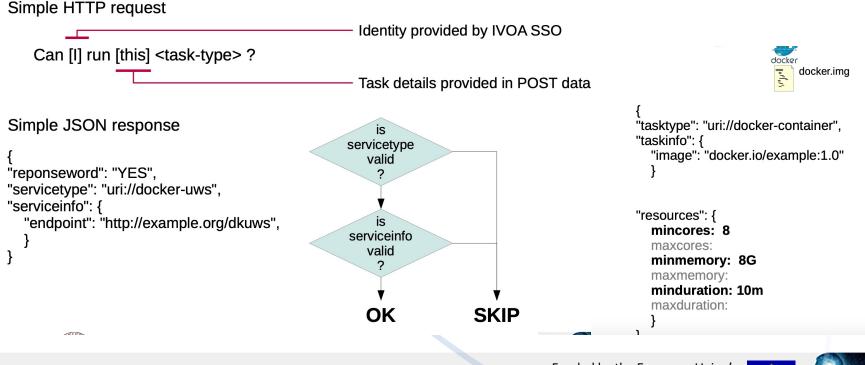
- We need to improve/implement:
 - <u>SecurityMethod</u> (upgrade and clarify the content)
 - Authentication discovery to allow non--browser clients to easily use auth (Mark + CADC)
 - Authentication endpoints (from capabilities or from HTTP challenge)
- Some experiments @ CADC in collaboration with Mark Taylor based on TAP and non—browser clients





Science platforms

- ExecutionPlanner:
 - HowTo make SP interoperable
 - Describe tasks, services and resources

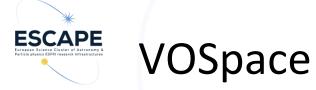






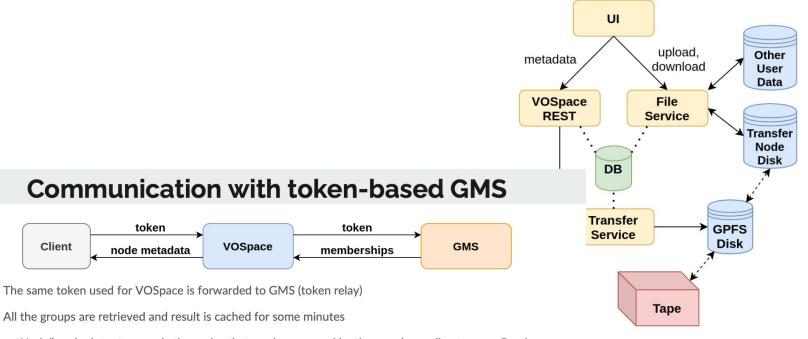
- Reality is much more complex that we expect:
 - There are different specification designed to do different things that interact one with the other (e.g. like Kubernetes uses helm and helm uses docker, ans so on)
- We needed a splinter to focus on different aspects
- Update UWS
- Small step approach: start from simple cases...





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IA2 VOSpace with Token based auth and GMS



• getNode() endpoint returns only the nodes that can be accessed by the user (according to groupRead property), so filtering each node using isMemberOf could be heavyweight



What next?

- Close GMS Standard.
- Focus on Single Sign on.
- What about credential delegation? We need to update it (and I am sure there already some ideas/implementation
- Science platforms: we start identifying protocols needs an update...and work on them.
- VOSpace...let's continue towards new verision
- Monthly meetings? Why not....





Thanks for your attention.

We Had a productive "virtual" 2021b Iterop!

https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpNov2021GWS

Notes:<u>https://wiki.ivoa.net/twiki/bin/view/IVOA/IVOA_Nov3_GW</u> <u>S_etherpad</u>

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