

# Grid and Web Services Working Group

IVOA Virtual Interop - on line 2020b

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# Grid and Web Services Group Overview

*The unique and only palindrome WG in the IVOA*

“The aim of the GWS WG is to define the use of *Grid technologies* and *web services* within the VO context”

- What we do :
  - computing, storage, Auth&Authz, science platforms, cloud, containers...
- Documents:
  - Standards;
  - Best practices;

GWS																				
PDL - Parameter Description Language	1.0																			1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 0.1
SSO - Single-Sign-On Profile: Authentication Mechanisms	2.0																			2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 1.01 1.01 1.00 1.00
VOSpace service specification	2.1																			2.1 2.1 2.1 2.1 2.1 2.1 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 1.15 2.0 1.15 1.15 1.14 1.13 1.12 1.12 1.11 1.10 1.02 1.02 1.01 1.00 1.00
Credential Delegation Protocol	1.0																			1.0 1.0 1.01 1.01 1.00
UWS - Universal Worker Service	1.1																			1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.0 1.0 1.0 1.0 1.0 1.0
VOSI - IVOA Support Interfaces	1.1																			1.1 1.1 1.1 1.1 1.1 1.1 1.0 1.0 1.0 1.0 1.0 1.0
GMS - Group Membership Service		1.0																		1.0 1.0 1.0



# GWS hot topics for this virtual Interop

## FOCUS

- Authorization: protocols and Apps
- Science platforms in collaboration with Theory IG



Schedule Summary						
Session	DateTime UTC	UTC-08:00	UTC-05:00	UTC+01:00	UTC+08:00	UTC+11:00
		<i>Victoria BC/Pasadena</i>	<i>Washington DC</i>	<i>Strasbourg</i>	<i>Perth/Beijing</i>	<i>Canberra</i>
GWS 1	<a href="#"><u>Nov 18 20:30</u></a>	Nov 18 12:30	Nov 18 15:30	Nov 18 21:30	Nov 18 04:30	Nov 18 07:30
GWS 2	<a href="#"><u>Nov 19 06:00</u></a>	Nov 19 22:00	Nov 19 1:00	Nov 19 07:00	Nov 19 14:00	Nov 19 17:00



# Authentication & Authorization

- **Group Membership Service Working Draft**
  - We have two ref implementation and we need a validator.
  - Can application use it? How does Apps use it
  - What is the link with SSO based on tokens?
  - What is the link with a “new” Credential delegation protocol?
- Should we go for **SSO 2.1**? Yes but we need best practices: Note(s)
  - `SecurityMethod` to integrate and to extend with “annotations”



# Science Platforms

- They are the new frontier for scientists to access and analyze data.
- How can science platforms help in disseminating cosmological simulations?
- Discussion and organization of a workshop in collaboration with Theory IG next year.



# Thanks for your attention.

Have a productive “virtual” 2020 Iterop!

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Slack channel: [#grid-webservices](https://ivoa.slack.com)

