

Grid and Web Services Working Group

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IVOA Shanghai – May 2017



Two newly approved document version updates!

- Single Sign-On (SSO 2.0)
- VO Support Interfaces (VOSI 1.1)

Many thanks to Giuliano Taffoni, Pat Dowler, Mark Taylor, Markus Demleitner, and the entire GWS Working Group.

GWS Session Overview

- Really strong participation – very much appreciated – please carry over this enthusiasm to the mailing lists
- Initiate discussions on each of the topics on mailing list
- Session 1, Technologies: Spark, Docker, Jupyter Hub, OpenStack, LDAP, Singularity,
- Session 2, VOSpace, Authentication and Authorization
- André Schaaff, François-Xavier Pineau, Petr Skoda, Giuliano Taffoni, Sara Nieto, Madjid Bouchair, Sara Bertocco

Code to Data / Remote Execution Effort

- Containers
- API may describe:
 - Code
 - Parameters
 - Reference Data
 - Execution environment
- Publications / Reproducibility
- Cannot not impede/dictate workflow
- Machine learning / big data / remove latency

- **Call for prototypes!**
- Mailing list

Group Membership Service (GMS) Standardization

- Groups of Groups
 - Concept to be added to the model
 - This will make it optional for implementors
- Simple API
 - boolean isMember(groupURI)
 - list<Group> getMembership()
 - membership information privacy to be considered
- Common Pattern identified for making VO service calls
- Pattern can be applied to GMS / CDP requirements
- Attention to ensuring trust between GMS authorities

VOSpace 2.1 RFC

- RFC period ended yesterday—to be extended
- Please submit your comments as soon as possible!

Known VOSpace Implementations

VOSpace Host / Authority	Specification Version
China-VO	2.0*
CADC	2.1
OATS-INAF	2.1
ESAC	2.1
CDS	2.1
NOAO	2.0

Please add your VOSpace implementations to the IVOA Registry!

GWS Monthly Telecons

One hour:

- 30 minutes – Containers
- 30 minutes – VOSpace

To be announced over the GWS mailing list

Roadmap to Santiago – End of October

Priority 1:

- Remote Execution (Code to Data) – Prototypes!

Priority 2:

- Recommendation for Federated Authentication
- Group Membership Service Working Draft
- VOspace 2.1 – React to RFC feedback

Nice to have:

- Note on how to implement a very simple VOspace
- Note on pattern of making VO Service calls
- Note giving examples of using methods in SSO 2.0

Mailing list to be used extensively. Lots of work to do!
grid@ivoa.net



Thank you

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