

Data Access Layer Working Group

Closing

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CSIRO

□ Session 1 - I

- **ConeSearch WD-1.1** (*Marco Molinaro*)
 - Split all modification requests in smaller releases
 - Lot of activities ; 1 GitHub issue for each request
 - Plan a WD by next Interop.
- **Datalink service descriptors in Firefly** (*Trey Roby*)
 - Implementation feedback
 - Search result is straightforward but Search UI needs an extension
 - Next: how to make it work with TAP + Upload
 - Suggestions for next version (named extensions, templating service descriptor, cross link documentation)



□ Session 1 - II

- **ObjObsSAP WD-1.0 status** (*Aitor Ibarra*)
 - Renamed from ObjVisSAS into ObjObsSAP (*other suggestion: TarObsSAP*)
 - Goal: help to follow-up, automate and plan observations of targets
 - Prototype implementation in place in some facilities
- **Discussions:**
 - Focused on improving compatibility of access protocols with modern web dev tools (e.g. JSON, REST API, Pydantic, FastAPI, OpenAPI, ...)
 - Proposition to set up a team with volunteers (list in the [Notes of DAL1](#))



□ Session 2 - 1

- **New User Defined Functions for ADQL** (*Markus Demleitner*)
 - 2 new UDFs in UDF Catalogue 1.1
 - 6 new UDFs planned for v1.2
 - Call for new UDFs to promote into `ivo_` or to add in the catalogue
- **DAP/SODA status report** (*François Bonnarel*)
 - SIA -> DAP : New features (e.g. query by MOC)
 - SODA: new parameters (e.g. PIXELS, RESPONSEFORMAT, DPTYPE, ...)
 - 1 big PullRequest planned for each standard
- **Hierarchical DALI examples** (*Markus Demleitner*)
 - Reminder about the `continuation` feature allowing better organisation of a long list of DALI examples



□ Session 2 - II

- **DALI-1.2 WD status** (*Pat Dowler*)
 - New xtypes (e.g. uri, uuid, dms, hms, moc, shape, ...)
 - Some supported in CADC/CANFar, VizieR, TOPCAT
 - ObsCore may make use of shape (or circle, polygon, ...) for its column `s_region`
 - *Discussion:* The XType moc should be versioned for backward compatibility as its serialization may evolve in the future



□ Session 2 - III

- **Discussion**

- *SIA*: Avoid case insensitivity from now on
- *ADQL*: Request to make some optional functions mandatory in next version (e.g. LOWER, OFFSET)
- *Any standard*:
 - Possibility to move features from optional to mandatory but also the other way around.
 - Major vs Minor revision: hard to make major change as it may split clients and implementations in two support areas (before and after the major revision).
 - Deprecating vs Removing: deprecating allows backward compatibility for sometime.



□ Splinter

- **DALI and Data Origin:**
 - Add to DALI WD-1.2 metadata related to the query at the origin of the returned result (*see Table 1 of the [Data Origin Note-1.0](#)*)
 - Optional metadata
 - In a future version, dataset metadata may be added too
 - may be more complicated for services like TAP, and ObsTAP
 - *solutions to explore:* VOTable's GROUPs, MIVOT, DataLink



□ In other sessions - I

- **SSIG:**
 - Discussion on some EPN-TAP columns that can be clarified ; VEP and PRs coming up
- **DM:**
 - *MIVOT:*
 - Prototyping a TAP service returning results with MIVOT annotations
 - *ObsCore Radio Extension:*
 - Raise the question on how to set up in TAP
 - Use cases expressed as ADQL queries in Appendix



□ In other sessions - II

- **RadiolG:**
 - Use of SODA and DataLink
- **TDIG:**
 - HAPI: Interface/Service to access Time Series in the Heliophysics and Planetary community
- **Ops:**
 - Encourage to check and fix minor issues in some TAP services (e.g. TAP_SCHEMA tables, columns with ADQL reserved keywords)



□ Follow & Connect to DAL - 1

Meeting schedule & details

[//wiki.ivoa.net/twiki/bin/view/IVOA/InterOpNov2023DAL](https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpNov2023DAL)

Connect to DAL



dal@ivoa.net (more info)



slack [Join DAL channel](#)



GitHub [//github.com/ivoa-std/{DOCNAME}](https://github.com/ivoa-std/{DOCNAME})



[//wiki.ivoa.net/twiki/bin/view/IVOA/lvoaDAL](https://wiki.ivoa.net/twiki/bin/view/IVOA/lvoaDAL)



□ Follow & Connect to DAL - 2

Running meetings as needed

[//wiki.ivoa.net/twiki/bin/view/IVOA/IvoaDAL_RunningMeetings](https://wiki.ivoa.net/twiki/bin/view/IVOA/IvoaDAL_RunningMeetings)

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