



Data Access Layer Working Group

Opening Plenary

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IVOA May 2020 *Virtual Interoperability Meeting*
4-8 May 2020



DAL-centric overview of WG connections

- **DAL** provides **standards for (remotely) getting astrophysical data** to allow technical/syntactical **interoperability** of resources
 - when implemented by Data providers: interoperable (service/data) resources
- Resources made visible through registration [**Registry WG**]
- Services consumed by client data analysis software [**Apps WG**] to let research happen
- **GWS WG** provide network technical interfacing and servicing (user spaces, A&A, ...)
- **Semantics & Data Model WG** provide **interoperability** above the technical/syntactical level
- Everything from **requirements** gathered from the **community**, expressed by **IG-s**, **committees** or at WG-s level directly

The Roadmap, the Meeting ...



ADQL-2.1
PR → RFC → REC

DALI-1.2
ADQL dependency

DataLink-1.1
WD 2020-Q1

ObsLocTAP
WD-1.0
ObjVisSAP

ConeSearch
WD TIME req.

SLAP-2.0
SSLDM

TAPRegExt
“caproles”

SIAP/SODA
feedback

ProvTAP
ProvSAP

SESSIONS

- DataLink**
 - ADQL**
 - ConeSearch**
 - Observation Locator TAP**
Object Visibility SAP
 - SIAP/SODA & PyVO**
 - TAP Python / NExSci**
 - ProvDM implementations?**
- TD IG
shared



The Roadmap, the Meeting ... (explained)



- ADQL and DataLink progress priorities are well represented by dedicated sessions.
- DALI review includes the REGION explanation needed by ADQL. DALI has no session, but work is progressing and we'll try to have a dedicated technical meeting at a later time.
- Observation Locator TAP is already in WD-1.0, Object Visibility SAP is slightly behind. The dedicated session (joint with TD IG) will give a status overview.
- ConeSearch revision, with joint TD IG effort on TIME filtering, will have its own status and discussion session.
- SLAP-2.0 depends on SSLDM-2.0. Things are changing there, follow DM status for updates.
- TAP Registry Extension, complexity in registering complex interfaces, connected to the “caproles” note has no session, discussion is highly technical, we'll try to follow that up after the meeting.
- SIAP-2.0 and SODA-1.0 feedback and take up, will see a discussion session, including also recent update to the PyVO modules. Follow up discussion at a later time is expected.
- Provenance DM based protocols, ProvTAP & ProvSAP, won't have a session in DAL, but the status may be mentioned in the Provenance DM implementations session.
- The DAL roadmap from October 2019 to here is well represented at the meeting, what is left out will be considered for dedicated meetings.



... and the Follow Up



- Not all can be served as a session (obviously)
- Remaining topics can be used to feed follow up {t|v}confs in the next weeks
 - According to attendees' availability and interest
 - To start up a regular DAL meeting point
- For this meeting
 - All starting info for DAL related discussions can be found on
 - <https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpMay2020DAL>
 - Including the etherpad links to collaborate on notes and post questions
- For the Follow Up
 - Subscribe to DAL: <http://mail.ivoa.net/mailman/listinfo/dal> → dal@ivoa.net
 - Have a look at the DAL wiki: <https://wiki.ivoa.net/twiki/bin/view/IVOA/IvoaDAL>
 - If you use slack: join the #dal channel of the IVOA workspace
 - Contact the DAL chairs
 - Marco → marco.molinaro@inaf.it
 - James → james.dempsey@csiro.au

Topics to follow up

- DALI
- SLAP
- ProvTAP
- SIAP/SODA
- MAST TESScut as SODA service
- “caproles” & TAPRegExt 1.1t
- ...your ideas!



Quick View



Schedule Summary							
Topic	Group	DateTime UTC	UTC-07:00	UTC-04:00	UTC+02:00	UTC+08:00	UTC+10:00
			<i>Victoria BC</i>	<i>Washington DC/Pasadena</i>	<i>Strasbourg</i>	<i>Perth/Beijing</i>	<i>Sydney</i>
DataLink	DAL	May 6 04:30	May 5 21:30	May 6 00:30	May 6 06:30	May 6 12:30	May 6 14:30
ADQL	DAL	May 7 06:00	May 6 23:00	May 7 02:00	May 7 08:00	May 7 14:00	May 7 16:00
ConeSearch	DAL/TDIG	May 7 13:30	May 7 06:30	May 7 09:30	May 7 15:30	May 7 21:30	May 7 23:30
NExSci python TAP	APPS/DAL	May 7 20:30	May 7 13:30	May 7 16:30	May 7 22:30	May 8 04:30	May 8 06:30
ObjVisSAP & ObsLocTAP	DAL/TDIG	May 8 04:30	May 7 21:30	May 8 00:30	May 8 06:30	May 8 12:30	May 8 14:30
SIA2 & SODA	DAL/APPS	May 8 15:00	May 8 08:00	May 8 11:00	May 8 17:00	May 8 23:00	May 9 01:00

<https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpMay2020DAL>