Data Access Layer

Working Group

Opening Plenary

Marco Molinaro & James Dempsey
11 October 2019

Data Access Layer

DAL-centric overview of WG connections

- **standards for (remotely) getting astrophysical data**
- implemented by Data providers: (service) resources
- services made visible through resource 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 and Data Model WG** provide interoperability above the technical/syntactical level
- Everything from requirements gathered from the community, expressed through **IG-s**, **committees** or at WG-s level directly

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… is now REC!

TAP-1.1

… is now REC!

International **V**irtual **O**bservatory **A**lliance

IVOA Documents

Table Access Protocol
Version 1.1

IVOA Recommendation 27 September 2019

Interest/Working Group:
    http://www.ivoa.net/twiki/bin/view/IVOA/IvoaDAL
Author(s):
    Patrick Dowler, Guy Rixon, Doug Tody, Markus Demleitner
Editor(s):
    Patrick Dowler

Paris to Groningen

- **ADQL-2.1**
  - RegTAP-1.1 ILIKE dependency cleaned
  - UDF library (P)EN
  - Splinter in Groningen@ADASS

- **DataLink-1.1**
  - Splinter in Paris, splinter(s) in Groningen@ADASS, GitHub testing

- **DALI-1.1**
  - Splinter(s) in Groningen@ADASS

Paris to Groningen

- **ObsLocTAP moved to WD-0.5**
  - Like ObjVisSAP expected to reach 1.0 by Sydney
  - ESA/ESO SciOps may see some further steps

- **SLAP-2.0 to go PR really soon**
  - And RFC rather soon
  - Following SSLDM-2.0 track

...and at starting Interop...

- Apps joint session

- GWS joint session

- ... and a DAL roadmap(p)ing one

Data Access Implementations

Speaker	Title
William W. (Trey) Roby	TAP and Datalink features in Firefly
Simon O'Toole	The Data Central Cone Search Service, powered by pyVO and SCS
Tamara Civera & Javier Hernández	VO implementation at Observatorio Astrofísico de Javalambre
François Bonnarel	ProvTAP & ProvHiPS
Ole Streicher	ProvSAP and W3C compatibility

Tight schedule: speakers, please stay within the granted time slot!
(or James will get angry with you)

**Apps & DAL joint session
Friday 11 15:30-17:00
"DOT"**

AuthN/AuthZ next steps & caproles discussion

Speaker	Title
Brian Major	GMS status report
Brian Major	YouCat & TAP
Markus Demleitner	Interoperable Authentication: Lessons learned from pyVO's TAP client
Juan Gonzalez	Cookie authentication for the Gaia Archive
	Discussion on **caproles**

caproles: "On the Use of Capabilities in the VO" (IVOA Note)

DAL & GWS joint session
Saturday 12 09:00-10:30
"Student hotel"

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Status, progress, feedback, standards

Speaker	Title
Pat Dowler	DALI session summary
Laurent Michel/Gregory Mantelet	Retrieving complex data in TAP services
Gregory Mantelet	feedback report on the implementation of ADQL-2.1
Ada Nebot	Simple Cone Search extension to Time Search

Chance of a quick report on DataLink summary.
Quite some buffer time for discussion.

DAL "main" session
Saturday 12 13:30-15:00
"DOT"

Thank you for your attention!

Looking forward to seeing you in the DAL audience!

DAL collaborative pages

- https://wiki.ivoa.net/twiki/bin/view/IVOA/IvoaDAL

DAL mailing list

- dal@ivoa.net
- http://mail.ivoa.net/mailman/listinfo/dal

attempt Slack channel(s) on IVOA slack workspace

- ivoa.slack.com

...contacts

- Marco: marco.molinaro@inaf.it
- James: james.dempsey@csiro.au

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