



DAL « WG/IG concluding remarks » session

Shangai interop meeting – May 2017

F.Bonnarel (CDS - CNRS)

M.Molinaro (INAF –OATS)

Specifications

- ▶ 2 new recommendations in the group (Exec decision, May the 17th):
 - DALI 1.1
 - SODA 1.0 → this completes the first set of Multi-D discovery and access protocols
- ▶ + SimDAL and VTP (March 20th) → A total of four since Trieste interop meeting

3 busy DAL sessions

Monday 4:00-5:30 PM, Tuesday 2:00-3:30 PM, Thursday 5:45-7:00PM

- Proposing/identifying useful changes in older specifications:
 - SCS (Marco)
 - Proposal for a refreshing : DALI/VOSI endpoints, MAXREC=0 for metadata, UCD changes, VOTABLE response ...
 - SLAP (Nicolas)
 - Proposal for better compatibility with XSAMS model, multi-biblio, adding inChi inChiKey, etc... / New protocol version and additions to datamodel
 - Check modifications with the current users (On the US side)
 - SSA (Petr)
 - Query by target, virtual data discovery, SODA for spectra (many transformations), etc..
 - See new dataset discovery and access context

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- Implementations feedback:
 - Datalink stellar libraries (Carlos),
 - Link spectra and images to source catalogue via DataLink. dataLink recognition in a catalogue
 - DAL protocols at CASDA (James),
 - ASKAP data : images, cubes and spectra. (Huge database: 16TB a day)
 - SODA interface for cubes
 - Question for spectra → SSA service : convergence with SIA/SODA would be interesting
 - TAP/SIAV2/Datalink/SODA client in Aladin (Chaitra)
 - Generic and customized TAP interfaces, sync and async, coupled with new Aladi v10 discovery tree
 - SIAV2, DataLink and SODA interfaces integration
 - A couple of implementation problems discussed
 - DataLink outside DAL discovery context (François)
 - People want to use DataLinks outside the DAL discovery context
 - Various solutions to do that have been discussed
- Spatial indexing methods (Bruce) :
 - Tests using Healpix and HTM indexing in Postgresql have been performed
 - No significantly different results

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- ADQL (Dave):
 - Fonction name prefixes for user defined fonctions (mainly geometrical due to ADQL ignorance on coord system)
 - Fixes in BNF grammar
 - → ADQL 2.1
 - Translation in PEG (Walter) is ADQL 2.2
- MOC in TAP (Gregory)
 - TAP MOC output
 - MOC as input filters
 - Various strategies discussed
 - Moc in FITS UPLOAD proposal
 - More discussion needed

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- DAL Dataset discovery and access future
 - (François)
 - Extend SIAV2 and SODA to tackle TimeSeries discovery and access requirement
 - Rely on extension of ObsCore for TS (discovery) and extension of Ndcube to TS (Retrieval, access)
 - Take benefit of this to integrate fixes/addons for multi-d datasets and spectra

Roadmap summary (1)

- ▶ SCS 1.1 :
 - internal WD for beginning of summer (M.Molinaro)
- ▶ SLAP 1.1:
 - internal WD for end of September (N.Moreau)
- ▶ Discussion on the mailing list on « recognizing DataLink outside DAL context »:
 - Summary (F.Bonnarel) → Decision in Santiago, implementation or endorsed note
- ▶ ADQL 2.1: WD for July and PR by September (D.Morris)

Roadmap summary (2)

- ▶ ADQL PEG grammar in ADQL 2.2 draft by Santiago (W.Landry, D.Morris)
- ▶ MOC in TAP (and ADQL)
 - Summary on the DAL future page (G.Mantelet), now
 - MOC prototyping wiki collaboration (D.Morris), now
- ▶ DAL for Time Series (and other dataproducts types)
 - Create a Task group with TDIG and DM for requirements and design
 - Encourage prototypes development
 - First conclusions by Santiago
- ▶ TAP 1.1 PR by end of June.