

DataLink 1.1 status

F.Bonnarel (CDS)

on behalf of DataLink authors and the whole IVOA DAL Working Group



Work since May 2020 interop

- Summary of previous work given in May :

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

- Long term and short term history on the DAL Wiki pages : https://wiki.ivoa.net/twiki/bin/view/IVOA/DataLink-1_0-Next
- Short term history on GitHub : <https://github.com/ivoa-std/DataLink/>
- 3 errata published (thanks to MT and MM) in June
- 3 virtual meetings
 - May 28th,
 - June 29th
 - September 2nd
 - → addressed remaining DataLink issues



Work since May 2020 interop

- link_auth and link_authorized columns
 - Tell if an authorization is required for the link and then if the identity is authorized
 - PR prepared.
 - Also proposes something for managing optional columns



Work since May 2020 interop

- OVERFLOW text consistent with DALI and limit stressed on the total number of ID accepted by the service
 - PR prepared.
 - Can be used fr batch queries



Work since May 2020 interop

- dataproduct_type issue :
 - Cannot be a parameter of the content_type (media type) according to RFC
 - Propose a new optional «content_qualifier»
 - with IVOA dataproduct_type vocabulary terms
 - With other vocabulary terms in other use cases
 - PR prepared



Work since May 2020 interop

- Templating mechanism in accessURL in service descriptor
 - To tackle services (REST like) where PARAM=value interface is not enough
 - Templating based on RFC
 - Example :

```
<PARAM name="accessURL" datatype="char" arraysize="*" value="http://tapvizier.u-strasbg.fr/TAPVizieR/tap{/synOrasync}?REQUEST=doQuery"/>
```
 - PR prepared.



Additional issues raised

- Trey Roby : Port other Datalink FIELDS (semantics, content_qualifier) in service descriptor
- Gregory Dubois : move service descriptors to VOTable → major change
- EPN-TAP : behavior issues ?
- Issue raised earlier by Ada : a new model of link semantics/content
 - Major change
 - Can be solved by mapping strategy ?
- Others ????



What to do now ?

- Members : review and comment the 4 PR
- Authors/chairs : when PR merged publish the draft
- People raising new issues : write them on GitHub
- Then authors/chairs to see when we integrate that in the spec
- Restart work on implementation note

