

DataLink : towards 1.1 Working Draft



François Bonnarel (CDS)



DataLink 1.1 needs to move to WD status

- Many changes in the master branch
 - Scope of DataLink
 - Service descriptors
 - Endpoints, capability
 - Fragments in URL
 - Autodescription
 - Recognition of a datalink FIELD outside SIA/ObsTAP/SSA context
 - New columns authorization/authentication
 - Etc ...



PR Datalink #51

- This PR is an attempt to solve issue #42 not by changing content_type by adding a new field content_qualifier
- `\subsubsection{content_qualifier}`

The content_qualifier column is optional. If it is present, it tells the client the nature of the thing or service they will receive or access if they use the link, in other words the target. If the target is a dataproduct, the field SHOULD contain one of the terms defined in the IVOA dataproduct_type vocabulary, considered as the default vocabulary. For other natures of the target the field MAY contain a term defined in another IVOA or proprietary vocabulary referred by its URI.

- Discussion :
 - Initial use case : what kind of dataproduct is the link ?
 - But others are possible. Generally : What kind of stuff is the link (different from semantics which gives the nature of relationship)
 - change the name of the field to « product_type »
 - Vocab inside : Full terms (with uri) ? Default term dataproduct_type ? Any term (client recognizes)



PR Datalink #52

- Templating endpoints
 - No test implementation yet
 - Postponed to next version



Issue 51

- Service descriptors defining the difference between a required parameter and an optional parameter
 - Use the DESCRIPTION element inside the PARAM ?
 - Use the type attribute of PARAM to specify required or optional
 - Use two « input params » Groups in service descriptor
 - Use PDL ?



Issue 55

- Add an « exampleURL » among the service descriptor PARAMS



Issue 52

- Specify when the service descriptor is a web page or webapps and not a product
 - Make clear the content_type PARAMETER is what can tell that to the client



Issue 53 and related

- Separate service descriptor from the DataLink {links} endpoint specification
 - Push service descriptor as they are in VOTable-next specification
 - Rewrite completely in PDL

