DataLink 1.0 has gone through the REC, and has received unanimous approval from the TCG members.

There are two reference implementations available from the server side, as well as one client application that uses standard.

The TCG recommends the IVOA Exec to approve DataLink 1.0 as an IVOA Recommendation.

The CADC implementation of DataLink provides one or more downloads per input ID and provides links to prototype AccessData services for most science data. Example invocation: http://www.cadc-ccda.hia-iha.nrc-cnrc.gc.ca/caom2opsdatalink?ID=caom:IRIS/f212h000/IRAS-25um

For SIA and TAP requests, the service descriptor tells the caller how to invoke the associated DataLink service itself. Example invocation of SIAv2 query: http://www.cadc-ccda.hia-iha.nrc-cnrc.gc.ca/sia/v2query?MAXREC=1&POS=Circle+180+5+0.2

GAVO’s server package DaCHS contains an implementation of Datalink both in auxiliary resources for SSAP and SIAP and standalone. At the Heidelberg data center, several services use these facilities, among them ivo://org.gavo.dc/califa/q2/s, ivo://org.gavo.dc/feros/q/ssa, ivo://org.gavo.dc/mlqso/q/s, and ivo://org.gavo.dc/theossa/q/ssa. There are also pointers to datalink documents in the obscore table (try something like select * from ivoa.obscore where access_format like '%datalink%' on ivo://org.gavo.dc/tap).

Recent versions of SPLAT, a spectral analysis tool, uses datalink to discover how to do server-side manipulations of spectra it retrieves. You can try this over SSAP on, e.g., the TheoSSA, califa ssa, and Flash/Heros services. Or also get the access information to download a spectrum from a Datalink table, which can be tested on the ObsCore results from the CADC service.

In development but not yet completed.

There is no service validator but a client tool exists that consumes responses from at least one service.

Comments to be brought to the Exec

Various comments responded to on the REC page.

Various comments taken into account in new version or responded to on theRFC page.

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Reference Implementation 1

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Reference Implementation 2

GAVO’s server package DaCHS contains an implementation of Datalink both in auxiliary resources for SSAP and SIAP and standalone.

Reference Implementation 3

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Implementation Validator

In development but not yet completed.

Recommendation to EXEC

DataLink 1.0 has gone through the REC, and has received unanimous approval from the TCG members. There are two reference implementations available from the server side, as well as one client application that uses standard. The TCG recommends the IVOA Exec to approve DataLink 1.0 as an IVOA Recommendation.