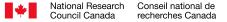


TAP-1.2 and OpenAPI

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Acronyms in this talk

- DALI: Data Access Layer Interface
 - base common components/behaviour of DAL services
- TAP: Table Access Protocol
 - DAL service for querying a database with ADQL
- UWS: Universal Worker Service
 - asynchronous job creation and execution pattern
- VOSI: Virtual Observatory Support Interface
 - base common components/behaviour of all VO services

OpenAPI

- so, OpenAPI is a machine-readable specification of an HTTP API
 - suitable for describing a REST API
 - can be used to generate client- and server-side code
 - can be used to render nice HTML API docs
- concise way to specify the API of a service so should improve the clarity of relevant IVOA standards
- support for modularity using \$ref: {component} so should enable re-use and promote consistency

TAP components

- VOSI:
 - availability (deprecated)
 - capabilities (external content model)
 - tables (external content model)
- UWS: async (query) jobs
- DALI: common params (MAXREC, RESPONSEFORMAT, UPLOAD)
- TAP: job params (LANG, QUERY, FORMAT)

https://github.com/ivoa-std/VOSI https://github.com/ivoa-std/TAP