



TAP/QL prototype

- database: CVO observation database (DB2)
- async queries: ~UWS 0.4, REST bindings
<http://www.cadc.hia.nrc.gc.ca/tapServer/async>
- output: async mode
 - XML (default)
 - HTML output: HTTP Accept includes text/html
 - job list NOT visible to GET
- sync queries: on top of async
<http://www.cadc.hia.nrc.gc.ca/tapServer/sync>



TAP/QL prototype

- ADQL parser: open source Java SQL parser
 - <http://jsqlparser.sf.net/>
- implemented visitors to restrict SQL (to ADQL)
 - SELECT only, no INTO
 - can whitelist or blacklist any ADQL keyword
 - basic type checking for region functions
- implement visitors to modify ADQL
 - modify syntax to local dialect (e.g. TOP -> FETCH)
 - modify content (e.g. tables, columns, functions)



TAP/QL prototype

- result output
 - VOTable (via STIL)
 - CSV
- other info
 - job description stored in RDBMS
 - results stored in CADC archive
 - sync on top of async: redirect-block-redirect
 - result download is resumable (HTTP Range request)
 - could get jobId from URL and find it in the async job list