

semanticproxy annotations

.. is a light-weight solution to add references into existing Web service metadata

Annotations refer to

- external dictionaries for non-functional properties, data quality aspects, controlled vocabularies, application profiles
- ontologies, thesauri, gazetteers capturing the data semantics

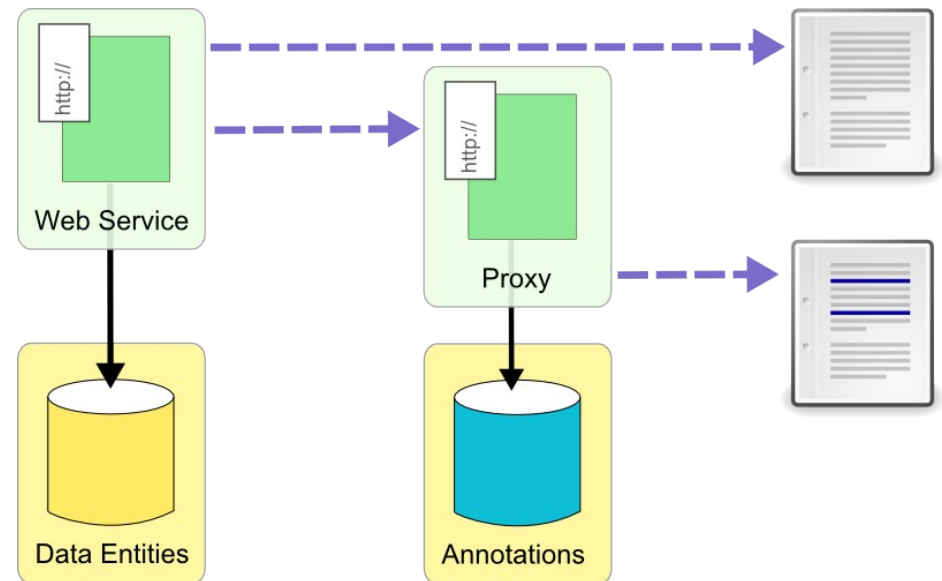
Why *proxy*?

Annotations are not part of the data model

- which external vocabulary to use depends on the context (they are domain specific)
- annotations are not needed for every potential application
- correct referencing is not trivial for data providers (but for domain experts)

Injecting Annotations

- „injecting“ references into the metadata stream
- ensures compliance to standards
- simple HTTP API: no difference for clients



Some features

- It is **fast**: We are working directly on the data streams; sophisticated parsing and caching ensures high-performance.
- It is **robust**: Changes to the source document, e.g. due to updates to underlying data models, won't affect the annotations.
- It is **reliable**: The proxy is running in the cloud. This will ensure scalability and availability.
- It is **free**: This is a free service, and all code developed for the proxy is open source.
- It is **growing**: For now we have support for WSDL Web services and the OGC Web Processing Service. Support for other standards is planned, and we will add new document types on request.