

Easing the pain of linked data vocabularies: <http://j.mp/or15vocabs>

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- Remote participants: Corey Harper (NYU), Trey Terrell (Oregon State), Tom Johnson (DPLA)
- Hydra Applied Linked Data Group: <http://j.mp/hy-alds>
- Hydra Metadata Working Group: <http://j.mp/hy-mwg>

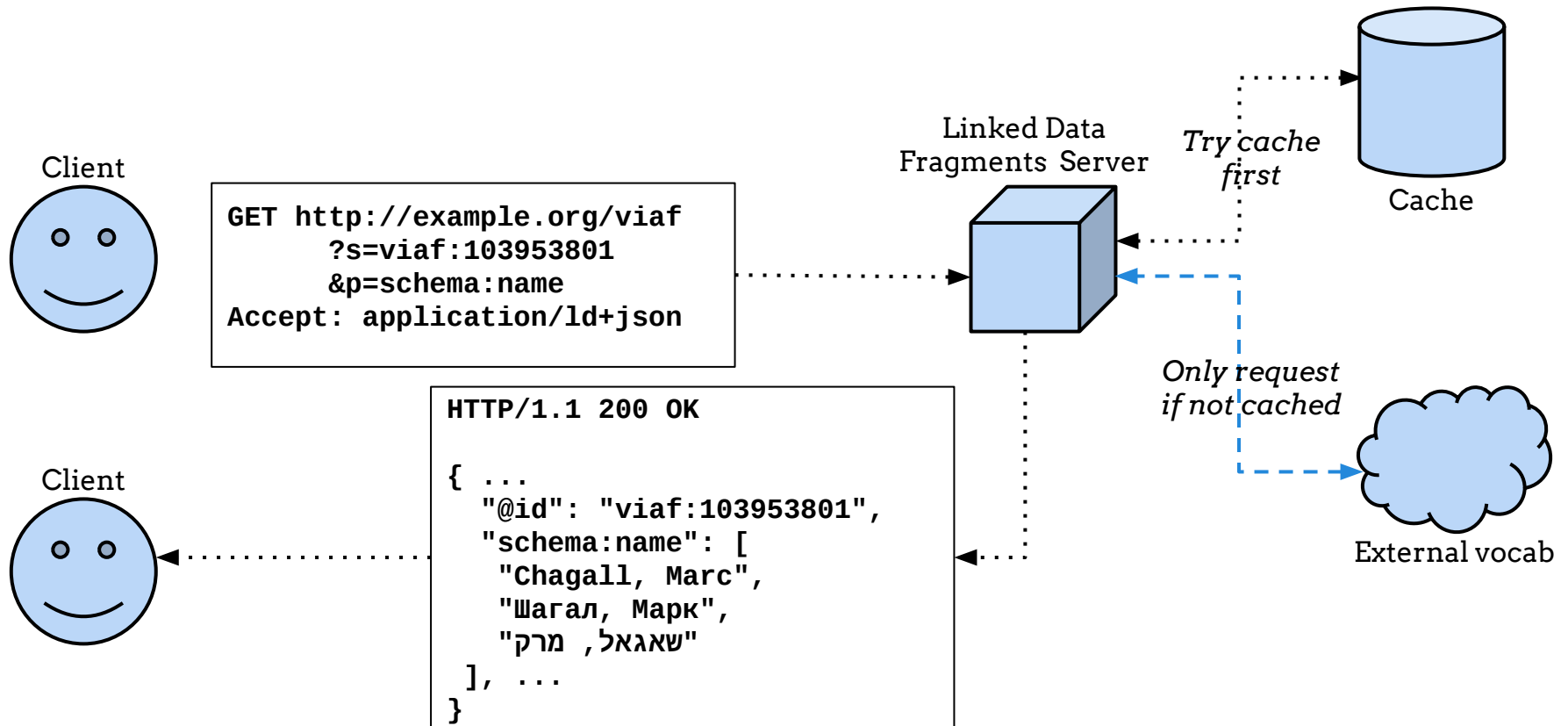
The Problem

- Using RDF vocabularies for metadata creation and enhancement often relies on availability and performance of external services
 - e.g. getting labels for subject headings to populate a search index
- These services, unfortunately, are not always reliable (e.g. SPARQL endpoints)
- Any implementation should be reusable across applications and ideally software independent

A Potential Solution

- Implement a mechanism that allows you to use selector patterns to specify subsection of triples you care about, e.g. **skos:prefLabel** for LCSH
- Provide a configurable cache layer for remote resources to speed up lookups on often-requested subjects
- The most promising solution is Linked Data Fragments (<http://linkeddatafragments.org/>)
 - Simple standardized requests that are easily cacheable (less unique than SPARQL queries) with most query processing done **client side**

Mockup of Interactions



Work in progress: <http://j.mp/hy-ldf>