

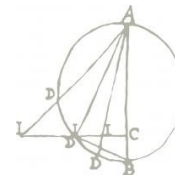


DIGITAL HUMANITIES 2022

Tool intro: Blazegraph

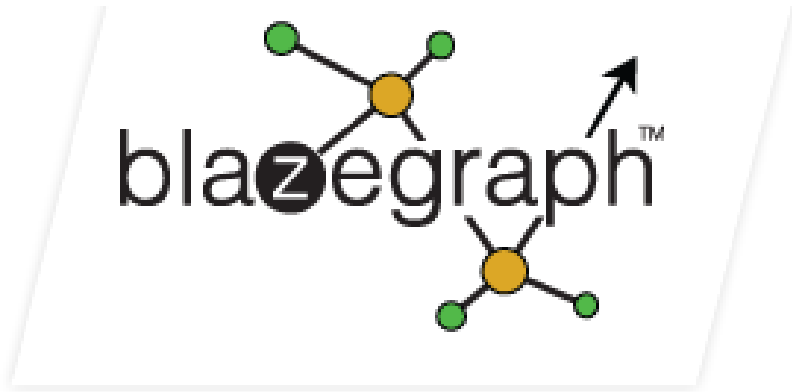
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Blazegraph



- <https://github.com/blazegraph/database>
- (old: <https://blazegraph.com/>)
- Triplestore: stores RDF triples and allows SPARQL queries
- Import and export of different RDF formats
- Simple web frontend

blazegraph
by EYSTAP



blazegraph workbench
ultra-scalable, high-performance database from Blazegraph

SEARCH:

WELCOME

QUERY

UPDATE

EXPLORE

NAMESPACES

STATUS

PERFORMANCE

Current namespace: kb

[Wiki - SPARQL Query](#)

Namespace shortcuts:

Bigdata

W3C

Dublin Core

Social/Other

Custom

Edit

```
1 prefix oa: <http://www.w3.org/ns/oa#>
2 prefix geojson: <https://purl.org/geojson/vocab#>
3
4 SELECT ?anno ?coord1 ?coord2
5 FROM <http://example.org/ns/users/robcast/genesis-annotations-malte>
6 WHERE {
7   ?anno a oa:Annotation ;
8         oa:hasBody / geojson:geometry / geojson:coordinates ?coords .
9   ?coords rdf:first ?coord1 ;
10           rdf:rest / rdf:first ?coord2 .
11 }
12
```

[Advanced features](#)

Execute

Clear

Blazegraph

- Supports SPARQL 1.1, including Update
- Works with many libraries, including RDFlib
- Proprietary full-text search using Lucene/Solr
- Good performance, even for large graphs
- Run as Java application or Docker container
- Open source, but unmaintained
- Many other Triplestores, mostly commercial or not very performant