



Fact Sheet: Sesame

Functionality Open source RDF framework with support for RDF Schema inferencing and querying

Architecture Fully extensible and configurable with respect to:

- RDF stores & inferencers (Repository & Sail API)
- RDF parsers and writers (Rio API)
- RDF query result formats
- RDF query languages

Interfaces

- Rich, JDBC-like user API
- Streamlined system API's
- RESTful HTTP interface supporting the SPARQL Protocol for RDF
- Transparent remote access to servers from applications via HTTP Repository
- Independent web-based user interface that works with any Sesame server
- Context/named graph support

Query languages

- SPARQL and SeRQL query languages supported
- SPARQL/XML, SPARQL/JSON and binary RDF query result formats supported

Storage Memory-based, native, RDBMS-backed and Mulgara RDF stores are available

I/O RDF/XML, N-Triples, Turtle, N3, TriG and TriX RDF formats supported

Performance and Scalability Depends on choice of storage and inferencing; memory-based storage scales to $O(10^7)$ triples on desktop hardware with unrivaled performance, native, RDBMS and Mulgara stores scale to $O(10^8)$ triples on the same hardware. Scalability will be improved to $O(10^9)$ in 2008.

Character set support Full Unicode support

Version 2.2 (September 2008)

Platform Runs on Windows, Linux, Mac OS X and all other Java 5-enabled platforms

Support Commercial support through Aduna, at www.aduna-software.com
Community support at www.openRDF.org

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