The ICS-FORTH RDFSuite: High-level Scalable Tools for the Semantic Web

http://athena.ics.forth.gr:9090/RDF/

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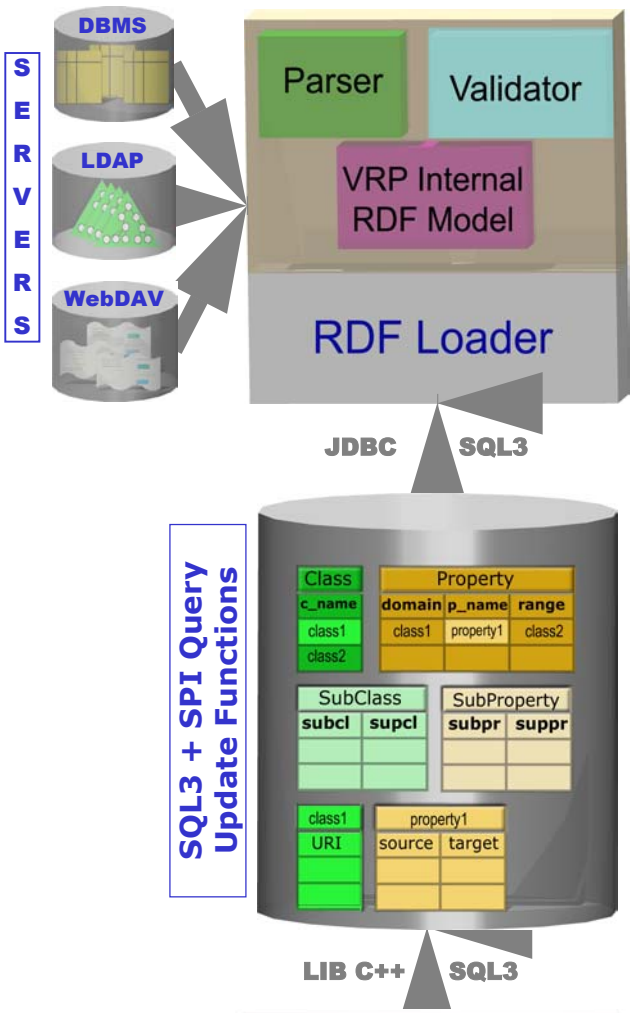

ICS-VRP

Main Features

- Supports
  - Embedded RDF in HTML or XML
  - XML Schema Data Types
  - Full Unicode
- Enables customization of Semantic Validation Constraints
- Inference on Resource Types & Properties
- Provides options for debugging & statistics
- Easy to use as a standalone application (GUI)
- Easy to integrate with other applications

ICS-RSSDB

Main Features

- Supports
  - XML Schema Data Types
  - Derived or faceted data types (i.e., Thesaurus, Enumeration)
- Enables Customization of the Database Representation
- Provides Incremental Loading of schema & data
- Easy to use as a standalone application (GUI)
- Easy to integrate with other applications

ICS-RQL Interpreter

Main Features

- Supports
  - XML Schema data types (for filtering literal values)
  - grouping primitives (for constructing nested XML data)
  - arithmetic operations (for converting literal values)
  - aggregate functions (for extracting statistics)
  - namespace facilities (for handling different schemas)
  - meta-schemas querying (for browsing schemas)
  - recursive traversal of class and property hierarchies (for advanced matchmaking)
- Pushes as much as possible query evaluation to the underlying DBMS
- Provides generic RDF/XML result form
- Easy to couple with commercial ORDBMSs
- Easy to integrate with Web Application Servers
- Easy to learn and use

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