

API-uri RDF

- ▶ Java
 - ▶ Jena <http://jena.sourceforge.net/> - tehnologie matura
 - ▶ JRDF <http://jrdf.sourceforge.net/> - bazata pe Jena, v 0.6
- ▶ Python
 - ▶ RDFLib - versiunea 2.4.2 <http://www.rdflib.net/>
 - ▶ RDFAlchemy (ORM pentru RDF) <http://www.openvest.com/trac/wiki/RDFAlchemy>
- ▶ C#
 - ▶ Semweb - <http://razor.occams.info/code/semweb/>
 - ▶ Nu mai este dezvoltata din mai 2009
 - ▶ ROWLEX <http://rowlex.nc3a.nato.int/default.aspx>
- ▶ Ruby
 - ▶ ActiveRDF <http://activerdf.org/>
- ▶ C/C++
 - ▶ Redland - <http://librdf.org/>
- ▶ PHP
 - ▶ RAP - <http://www4.wiwiss.fu-berlin.de/bizer/rdfapi/>

Semantic repositories

	timpul de incarcare al datelor	RAM necesar	Cost	Inferente	Nr. triple	API
Sesame	10k triple/sec	1	free	RDFS	70M	Java/ HTTP
Mulgara	n.a.				500M	JRDF/ REST
BigOWLIM	41-200k	8 -12GB	Not disclosed	OWL	12B	Sesame RMI
SwiftOWLIM	30k- notebook 200k on server	1.6 (10M triple) 16GB (100M triple)	free	OWL	10-100M	Sesame RMI
Virtuoso	1-12k in functie de numar	4-72 GB (clustere)	750 \$ min	-	8.5B (in teorie pana la 100B)	HTTP
Jena TDB	Pana la 12k/sec	4-8 GB (in functie de dim repository)	Free	OWL	1.5B	Jena, command line scripts

Benchmarks

- ▶ <http://esw.w3.org/LargeTripleStores>
- ▶ <http://www.larkc.eu/wp-content/uploads/2008/05/larkc-icsc08.pdf>
- ▶ <http://www4.wiwiw.fu-berlin.de/bizer/BerlinSPARQLBenchmark/results/V5/index.html>
- ▶ <http://esw.w3.org/RdfStoreBenchmarking>
- ▶ <http://swat.cse.lehigh.edu/projects/lubm/> best known benchmarking set
- ▶ <http://www.ontotext.com/owlim/OWLIMSysDoc.pdf>