

Apache Jena

- description : Apache Jena
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Apache Jena

- 2000 (Bristol) HP Labs(HP)
- (semantic web) Java
- W3C RDF, RDFS, RDFA, OWL, SPARQL Java
- Jena OWL RDFS RDF triples() (a rule-based inference engine)'

RDF

- Resource Description Framework []
- RDF
- RDF is a directed, labeled graph data format for representing information in the Web.
- 😊 RDF

RDFS

- RDF Schema : RDF Vocabulary Description Language 1.0
- RDFS RDF vocabularies
- 🎯 RDFS

RDFA

- RDFA : RDF in Attributes, [RDF]
- RDFA HTML5, XHTML, XML (attributes)
- 😊 RDFA

OWL

- OWL : Web Ontology Language, []

- ,
(Semantic Web Language)'
- OWL
- OWL
- 😊 OWL

SPARQL

- SPARQL : Query Language for RDF
- RDF
- 😊 SPARQL

TDB

1. RDF Jena
2. Jena API
3. RDF store
4. TDB2 TDB TDB1
5. TDB1 TDB2
6. TDB store Jena API
7. transactions , TDB
8. TDB JVM
TDB 1.1.0 , JVM
9. TDB , Fuseki
10. Fuseki :
 - (persistent storage) TDB SPARQL server
 - HTTP , REST update SPARQL

Triples

rule-based inference engine

Ref

What is Jena?

Eclipse Jena

, Jena, Java-framework, Semantic-Web

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