

# 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 (a rule-based inference engine)' RDF triples( )

## 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

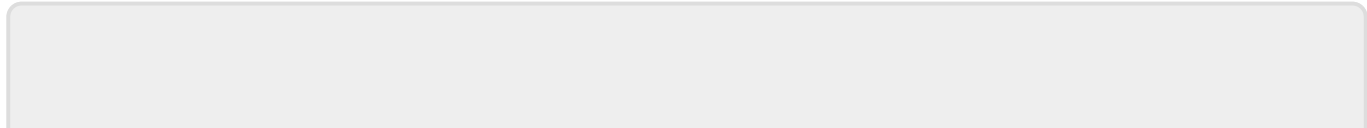
## rule-based inference engine

## Ref

[What is Jena?](#)

Eclipse Jena

, [Jena](#), [Java-framework](#), [Semantic-Web](#)



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