

# 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 , JVM , TDB 1.1.0
9. TDB , Fuseki
10. Fuseki :
  - ' (persistent storage)' TDB SPARQL server .
  - HTTP , , REST update SPARQL .

## XSD

- XML Schema Definition : XML
- XML (element) (attribute) 가 XML
- XSD by [TCP SCHOOL.com](http://TCP.SCHOOL.com)

## Triples

## rule-based inference engine

## Ref

[What is Jena?](#)

Eclipse

Jena

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

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