



FREE

Free Website Templates

RacerPro - OWL ReasonerDescription Logic - RDF - SWRL Semantic Web Ontologies
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www.jetbrains.com**Semantic Web****Semweb HOME**

Semweb Example

Semweb Security

Semantic Web Tutorial

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The word semantic stands for the meaning of.

The semantic of something is the meaning of something.

The Semantic Web = a Web with a meaning.

What is the Semantic Web?

The Semantic Web is a web that is able to describe things in a way that computers can understand.

- The Beatles was a popular band from Liverpool.
- John Lennon was a member of the Beatles.
- "Hey Jude" was recorded by the Beatles.

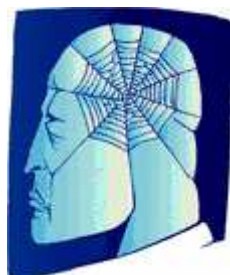
Sentences like the ones above can be understood by people. But how can they be understood by computers?

Statements are built with syntax rules. The syntax of a language defines the rules for building language statements. But how can syntax become semantic?

This is what the Semantic Web is all about. Describing things in a way that computers and applications can understand it.

The Semantic Web is **not about links** between web pages.

The Semantic Web describes the **relationships between things** (like A is a part of B and Y is a member of Z) and the **properties of things** (like size, weight, age, and price)



"If HTML and the Web made all the online documents look like one huge **book**, RDF, schema, and inference languages will make all the data in the world look like one huge **database**"

Tim Berners-Lee, Weaving the Web, 1999

The Resource Description Framework

The RDF (Resource Description Framework) is a language for describing information and resources on the web.

Putting information into RDF files, makes it possible for computer programs ("web spiders") to search, discover, pick up, collect, analyze and process information from the web.

The Semantic Web uses RDF to describe web resources.

If you want to learn more about RDF, please read our [RDF tutorial](#).