[W3C02]   Semantic Web standards

Semantic Web standards	
Summary	
ID	W3C02
Initiative	W3C
Short description	The Semantic Web is an extension of the Web through standards by the World Wide Web Consortium (W3C). The standards promote common data formats and exchange protocols on the Web, most fundamentally the Resource Description Framework (RDF).
	According to the W3C, "The Semantic Web provides a common framework that allows data to be shared and reused across application, enterprise, and community boundaries". The term was coined by Tim Berners-Lee for a web of data that can be processed by machines. While its critics have questioned its feasibility, proponents argue that applications in industry, biology and human sciences research have already proven the validity of the original concept.
	The Semantic Web provides many data model specifications (RDF, RDFS, OWL, SKOS), some rules specifications (SWRL, RIF), and one famous search language specification (SPARQL). Data formalised with the Semantic Web specifications (also called Linked Data) can be stored in Triple stores such as Virtuoso, Owlim, etc. Finally, Linked Data applications can be built with the programming frameworks (Jena or Sesame).
Owner	W3C
Contact	http://www.w3.org/Consortium/contact
Type	Framework
Sub-Type	Specification
IPR	http://www.w3.org/Consortium/Legal/2002/ipr-notice-20021231#Copyright
Status	Operational
More details	
Aggregated business need	ABN – 1 Need for common understanding of data entities
Documentation	http://www.w3.org/RDF/ http://www.w3.org/TR/rdf-schema/ http://www.w3.org/2001/sw/wiki/OWL http://www.w3.org/TR/2008/WD-skos-reference-20080829/skos.html http://www.w3.org/TR/rdf-sparql-query/ http://www.w3.org/TR/sparql11-query/ http://www.w3.org/Submission/SWRL/ http://www.w3.org/TR/rif-overview/ https://www.w3.org/2001/sw/wiki/OpenLink_Virtuoso

	http://ontotext.com/products/ontotext-graphdb-owlim/ https://jena.apache.org/ http://rdf4j.org/
EIRA	
View	Semantic View
Building Block	Data Standard
Reusability	
Landscape	