

TopBraid Feature Announcement

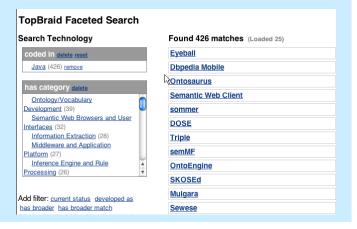
TopBraid Faceted Search

TopBraid Suite's next release, scheduled for April 2011, features faceted search over RDF/OWL data. By treating class properties as facets, TopBraid gives end users flexible, intuitive ways to search Semantic Web data. Users can configure the facets by simply adding or removing properties, and the faceted search feature is easily customizable by simple editing of HTML pages included with the TopBraid Suite. TopBraid Live's API extends the customization possibilities even further.

A "Members of Congress" application uses "Linked Open Data" from DBpedia.org and an ontology with property facets to enable search over Party Affiliation, Religion and Alma Mater. RDF/OWL brings together data from different sources:

A "Semantic Tools and Components" application uses property facets for 'coded in software language' and 'has category' to enable search. RDF/OWL allows the application to be readily evolved as new facets are needed:





About TopBraid Suite

TopBraid Suite™ leverages emerging technology to help our customers connect silos of data, systems and infrastructure and to build flexible applications from linked data models. TopBraid Suite is a set of integrated semantic solution products that seamlessly fit into existing IT environments. All components of the suite work within an open architecture platform built specifically to implement W3C standards for integration and combination of data drawn from diverse sources.

Why Semantic Web Standards

Resource Description Framework (RDF) provides a way to create a web of information, whether on the public internet or within intranets. Like the familiar World Wide Web, the Semantic Web is easily extensible, allowing information to be liberated from silos. With each vocabulary element having its own Uniform Resource Identifier (URI), it can be easily referenced from anywhere in an enterprise.

- RDF Schema and OWL (Web Ontology Language) provide languages for semantic modeling of complex concept types, attributes and relationships.
- Simple Knowledge Organization System (SKOS) provides a language for describing structured terminology systems like taxonomies and thesauri. Based on RDF, it inherits the power of flexibility and distribution, while being simpler to use than OWL.
- SPARQL Query Language for RDF provides more than a query facility. It offers a powerful mechanism for
 modeling and implementing business and data validation rules. Connections that once required custom software
 can now be described in a standard, declarative way.

For More Information

- TopBraid Suite (HTML) http://topquadrant.com/products/TB Suite.html
- TopBraid Suite (PDF) TopBraid Suite Brochure