

Harnessing Semantic Metadata to Enhance Content Access

Mayo Clinic uses TopBraid Enterprise Data Governance–Vocabulary Management (EDG–VM) to deliver intelligent results to end users

“The actionable information provided to our end users created a more seamless search experience. Using this system gave us the freedom to create relationships between our existing vocabularies and helped us transition our existing websites into one primary source of information, reducing confusion and providing users better access to information they are seeking through improved access to relevant content and enhanced search results.”

— Mayo Clinic

PRODUCTS USED

TopBraid Enterprise Data Governance–Vocabulary Management (TopBraid EDG–VM) — a flexible, web-based solution for managing business vocabularies as semantic information models. TopBraid EDG–VM was designed to respond to the needs of organizations to get more value out of the enterprise’s data by using business vocabularies and metadata to enhance search, navigation and content delivery, align the meaning of data across data sources and integrate diverse information.

TopBraid Live—an intelligent business applications server and the cornerstone of the TopBraid architecture. Offering all capabilities of the TopBraid platform, it leverages semantic technology to help customers connect silos of data, systems and infrastructure and to build flexible applications from linked data models. All TopBraid server products use TopBraid Live as their foundation.

BENEFITS

Through focused explorations of available technologies, Mayo Clinic determined that the capabilities of TopBraid EDG–VM and TopBraid Live would help to meet the goals of their Knowledge Content Management System, including to:

- Integrate three external websites into one single source for trustworthy medical information at mayoclinic.org.
- Increase web search efficiency and accessibility.
- Increase the time viewers spend on the website.
- Automatically generate new content using linked vocabularies.

Background on Mayo Clinic

A worldwide leader in nonprofit medical care, Mayo Clinic is dedicated to providing a wealth of medical information applicable to all walks of life. Mayo Clinic has a rich history of leadership in sharing medical information and was among the early innovators of providing extensive health information on the Internet. In January 2014, Mayo launched the next evolution of its presence on the Web by integrating its three existing external websites—mayoclinic.com, mayo.edu and mayoclinic.org—into a single platform.

This milestone is the outcome of Mayo’s Knowledge Content Management System (KCMS) initiative—the single largest project undertaken in the history of Mayo Clinic’s Web assets. KCMS is a large-scale solution that combines traditional content management capabilities with the power of semantic technology to integrate healthcare knowledge for the enterprise. Now, the millions of people who use Mayo’s websites to find answers to their medical and lifestyle questions get improved access to relevant content and enhanced search results at the semantically enhanced mayoclinic.org.

Challenges

For more than 100 years, Mayo Clinic has delivered high-quality healthcare by integrating knowledge across patient care, research and education. In the digital age, Mayo found that its different departments and practices were growing increasingly disparate with isolated silos of knowledge. Updating and re-invigorating its integrated approach to knowledge sharing in the digital environment required an innovative solution.



TopQuadrant helps organizations succeed in data governance. Its flagship product, TopBraid EDG, delivers easy and meaningful access for all data stakeholders to enterprise metadata, business terms, reference data, data and application catalogs, data lineage, requirements, policies, and processes. TopBraid Enterprise Data Governance–Vocabulary Management (EDG–VM) supports business stakeholders who need to collaborate on defining and linking enterprise taxonomies, ontologies and thesauri. They use these to improve search, enhance content navigation and align the meaning of data across data sources.

Visit www.topquadrant.com, or contact us at edg-info@topquadrant.com or by phone at +1 919 300 7945.

Ask us about scheduling a demo to explore how TopBraid EDG–VM meets your specific requirements.

