

TopQuadrant Semantic Web Technology Training Series

“Getting Ready for the Semantic Web with TopBraid Suite”

August 2 - 4, 2010, Brussels, Belgium

Training location: TenForce BVBA; Haachtsesteenweg 378; 1910 Kampenhout; Belgium

A complete 3-day*, hands-on training on Semantic Web Technology and Introduction to TopBraid Suite (Monday-Wednesday).

This is TopQuadrant’s first public offering this year in Europe of this popular and well established training!

Module I – 1-day executive briefing

Overview of Semantic Web Technologies and TopBraid Suite

Module II – 1-day hands-on tutorial with exercises

Using Semantic Standards, Languages and TopBraid Tools for Modeling and Querying

Module III – 1-day interactive workshop on knowledge modeling

Semantic Model-driven Applications - Case Studies and Development with TopBraid Capabilities

** Slightly accelerated and lower priced version of our standard 4-day training, but covering the same material and exercises.*

*** Group discounts are available*

\$1,500**

Semantic Web Curriculum: Now in its 8th Year, TopQuadrant is offering a continuing program of public and on-site trainings and workshops on Semantic Web technologies and use of TopBraid Suite capabilities for semantic modeling, querying and application development. More than 800 people have taken these trainings. The well established curriculum is regularly updated to reflect the evolution and maturing of this technology, and its progressive adoption in the marketplace.

This training course (Monday-Wednesday, August 2-4) consists of three days of classes covering three progressive modules that emphasize interactive participation, hands-on exercises, exploration and evaluation of the technology and its capabilities and applications.

For more details or to register online please visit:
<http://www.topquadrant.com/training/intro.html>

Contact us at 703-299-9330 or trainings@topquadrant.com for questions or requests.



TopQuadrant is a premier semantic web solutions company with offices in Alexandria, VA, and Mountain View, CA. Please contact us at:

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Outline of the 3-day Training Class (Monday-Wednesday August 2-4)

Module 1: Overview of Semantic Web Technologies and TopBraid Suite

- Semantic Technology Introduction: Background and Level Set
- Uses and value of semantic web technology: review of illustrative semantic capabilities
- Overview of semantic models, languages and standards
- Contrasting Semantic with Conventional Technologies
- Tools for working with semantic models and applications
- Overview and demo of TopBraid Suite tools and capabilities
- Potential of semantic web solutions and challenges of adoption

Module 2: Using Semantic Standards, Languages and TopBraid Tools for Modeling and Querying

- RDF Model and Syntax
- Mechanics of TBC and Eclipse platform basics.
- RDFS Vocabularies
- Querying RDF with SPARQL
- Using Ontology Querying Tools in TopBraid Composer
- Using Ontology Modeling Tools in TopBraid Composer
- OWL 2.0 Profiles (RL, QL, and EL)
- Inferencing Strategies, including SPARQL Inference Notation (SPIN)

Module 3: Semantic Model-driven Applications—Case Studies and Development with TopBraid Capabilities

- Ontology Solution Case Studies - Interoperability and Federation of Models
- Ontology Engineering Issues: Mapping Ontologies, Connecting to Legacy Data and Schemas
- Using TopBraid Suite for Semantic Application Assembly
- Ontology Modeling Patterns and Best Practices

Skills and Knowledge Gained:

- Understand Semantic Capabilities: Application Areas, Business Value and Success Stories
- Know the status of W3C's semantic layers - languages, standards and technology road map
- Explore differences between semantic technology vs. relational DB and object technologies
- Explore the roles of kinds of semantic web products and tools in a semantic deployment architecture.
- Gain experience using TopBraid Composer to create, manage and utilize semantic models
- Use SPARQL to query, filter and transform semantic data.
- Gain hands-on experience building a new class of applications ("model-driven") to simplify access to distributed information.
- Import information from many common data sources (RSS, spreadsheets, databases, etc.)
- Examine ontology-driven approaches for merging and integrating data