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***For Immediate Release***

## **TopQuadrant Delivers World's First Semantic Web Development Tool to Support Multiple Reasoning Engines**

### ***Engineering Breakthrough Moves the Ultimate Promise of Semantic Web Applications Closer to Reality***

**Alexandria Virginia – February 26, 2007** – TopQuadrant, a leading semantic web solutions company, today announced the general availability of TopBraid Composer™ 2.0, the most complete modeling toolset for the Semantic Web standard languages RDF/S and OWL (including OWL 1.1 extensions). TopBraid Composer 2.0 is an Eclipse-based Semantic Web ontology development tool that seamlessly supports multiple inference (reasoning) engines for specific tasks. For the first time, Semantic Web applications can be developed with unique, flexible and user-customizable hybrid reasoning that allows rules, queries and description logic to be combined to solve significant business problems. This engineering breakthrough better enables change agents and developers to deliver on the substantial business benefits of Semantic Web solutions.

“Semantic Web technologies are making it possible for software applications to organize and process information on the web in ways that are making the web ‘smarter’ for people and machines,” said Ralph Hodgson, co-founder of TopQuadrant. “The same technologies are changing the way data can be integrated and interoperated between diverse systems and databases. With these advances, enterprise-scale semantic web applications need a professionally engineered integrated development environment that has an open, pluggable architecture and offers state-of-the-art support for complementary tools and core semantic web capabilities such as reasoning.”

“TopBraid Composer is the only commercial-ready ontology design environment that meets the needs of application developers outside of the research community,” said Nova Spivack, CEO and founder of Radar Networks. “We tried many other avenues, but only TopBraid Composer gives us the ability to build and manage highly scalable ontologies while working with modern capabilities, such as the Eclipse development platform. We are using TopBraid Composer to manage the ontology for a major new Web 3.0 online service that we are building to launch the Semantic Web to consumers.”

The new design of TopBraid Composer 2.0 allows users to run SPARQL queries or rules on top of a description logic reasoner and arrange them in a delegation chain. The delegation order of reasoners can be easily re-arranged using a graphical interface, enabling incredibly simple, but powerful customized reasoning. TopBraid Composer 2.0 is the first development tool that allows SPARQL to be used as a rule language by using construct keywords. This is particularly useful to define mappings between heterogeneous schemas and databases.

“Over the past year we’ve made significant additions to TopBraid Composer to provide a professional modeling tool powerful enough for enterprise-level semantic web applications,” said Holger Knublauch, vice president for product development at TopQuadrant. “The power of customized hybrid reasoning combined with support for triplestore databases and information visualization mash-up facilities provide the type of rapid development environment necessary for Web 2.0 and Web 3.0 applications.”

TopBraid Composer offers a complete modeling toolset for RDF, OWL, SPARQL and SWRL. It is also the first professional semantic web ontology tool to support OWL 1.1, which adds new expressivity to the language. The inference engines use asserted information to automatically reveal new information, allowing complex logic to be generated without human intervention. Users can use the additional expressivity of OWL 1.1 to build richer models.

The following features are now available:

- **Customizable Inference Engines (reasoners)** – Users can select from a catalog of available inference engines and arrange them to execute in a delegation chain. Allows SPARQL queries or rules to run on top of a description logic reasoner (such as Pellet).
- **Information Visualization and Mash-up Facilities** – Support for RDFa and GRDDL allows metadata to be embedded into existing HTML pages for the creation of mash-up applications that extract information from multiple sources. RSS and Atom feeds are also supported. Geographical location support using embedded Google maps allows users to visualize and edit the locations of geographical entities.
- **Support for the emerging OWL 1.1 extensions** – New expressivity in the OWL 1.1 web ontology language can be used to build richer ontology models.
- **Ontology Mapping Support** – Ontology translation between heterogeneous information sources, such as different databases.
- **Integration with XML, Relational Database and Other Legacy Datasources** - Conversion of UML models, XML schema, XML documents and spreadsheets into RDF/OWL. Ability to import data directly from legacy relational databases. Legacy database tables and rows are converted on-the-fly. Generation of XML Schema from RDF/OWL.
- **Flexible Triplestore Integration** – Support to optionally connect to Jena, Sesame and Oracle 11g, and other open source and commercial triplestore solutions and products.
- **Multi-user Mode and Modular Ontologies** – Allows multiple people to edit an ontology at the same time, across the internet. The tool supports to modularize ontologies into reusable building blocks that can be assembled dynamically.
- **Customized Content Layouts** – Users can configure the layout of forms and other content to enable user-friendly and domain-specific editing.

### About TopQuadrant

TopQuadrant is a leading semantic web solutions company, providing a full range of products services, knowledge, training programs and methods. TopQuadrant assists clients to achieve a wide range of business goals including semantic solutions for net-centric operations, semantic integration, search, collaboration, policy management, enterprise architecture, semantic web services and other ontology-driven applications. For more information, visit [www.topquadrant.com](http://www.topquadrant.com).

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