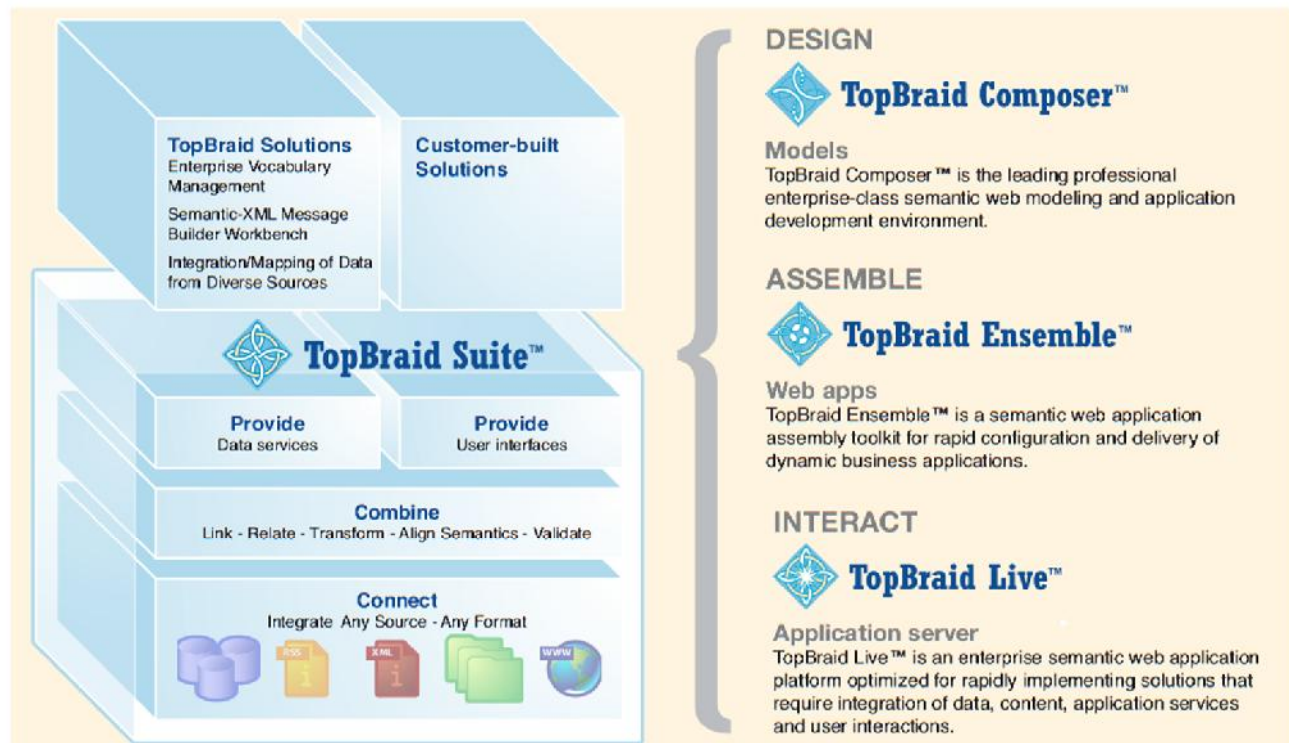# TopBraid Suite™
Semantic Web Solutions Platform

Offers the full spectrum of semantic web tools and technologies necessary to build and rapidly deploy enterprise business solutions.

DESIGN
TopBraid Composer™

Models
TopBraid Composer™ is the leading professional enterprise-class semantic web modeling and application development environment.

ASSEMBLE
TopBraid Ensemble™

Web apps
TopBraid Ensemble™ is a semantic web application assembly toolkit for rapid configuration and delivery of dynamic business applications.

INTERACT
TopBraid Live™

Application server
TopBraid Live™ is an enterprise semantic web application platform optimized for rapidly implementing solutions that require integration of data, content, application services and user interactions.

TopBraid Suite provides capabilities to connect and combine diverse data sources, data services and flexible user interface options to power both TopBraid pre-built and customer-tailored solutions.

Download a free evaluation copy of TopBraid Composer Maestro Edition at http://www.topquadrant.com/topbraid/composer/download.html.

The evaluation copy provides a complete environment for rapid application prototyping and testing. Get the Application Development Quickstart Guide from http://bit.ly/TBCQuickstart.
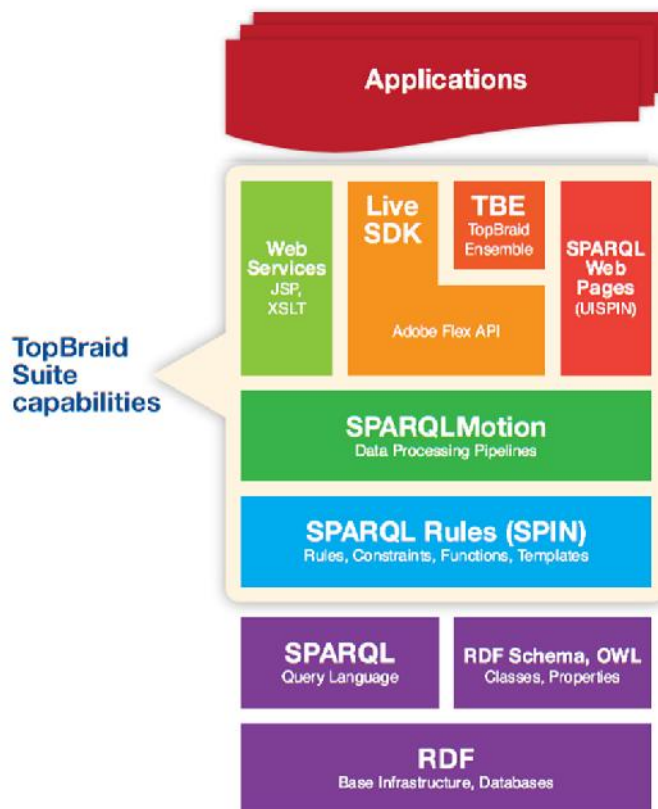
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TopBraid Suite harnesses semantic web technology to provide fast information integration, discovery and exchange, enabling enterprises to deliver more agile business applications that can easily evolve over time.

TopBraid Suite seamlessly fits into existing IT environments by providing customer-specific approaches to complete semantic application development.

TopBraid Suite capabilities

Applications

Web Services JSP, XSLT	Live SDK	TBE TopBraid Ensemble	SPARQL Web Pages (UISPIN)
	Adobe Flex API		

SPARQLMotion
Data Processing Pipelines

SPARQL Rules (SPIN)
Rules, Constraints, Functions, Templates

SPARQL Query Language	**RDF Schema, OWL** Classes, Properties

RDF
Base Infrastructure, Databases

Capabilities:
- Interactive information visualization, search, browsing, data exploration and query by example
- Model-driven applications with user configurable, flexible and evolvable UIs
- Dynamic report generation
- Business rules and constraint checking
- Aggregation and alignment of data from RDBMs, Excel, XML and other sources
- Transformation of models and datasets
- Generation of XML, XML Schema, Excel and other formats
- Full audit trail of the lineage and history of evolving information
- Version control and governance

Business Benefits:
- Become agile through efficiently managing business changes
- Reduce costs
  - Reduce the time people spend accessing relevant information
  - Rapidly deploy new and updated applications cost-effectively
- Improve customer satisfaction
  - Faster and convenient customer care/ self-service
- Build, share and retain knowledge through dynamic business applications
  - Cross-department / cross-company / cross-industry
- Discover and utilize new insights
  - Ease of data integration, semantic relationships between data

Multiple user interface options are provided for solution development:

- Adobe Flex front-ends:
  - TopBraid Ensemble: Built-in, configurable UI components + event wiring infrastructure
  - Flex SDK: API for TopBraid Live services used by custom Flex components
- HTML/SVG front-ends:
  - SPARQL Web Pages: SPARQL-based web pages
  - REST Web Services: SPARQLMotion scripts invoked directly in TopBraid Ensemble and through the TopBraid Live SDK

Platform 'powertools' include:

- SPARQL Rules (SPIN): a collection of RDF vocabularies enabling the use of SPARQL to define constraints and inference rules on semantic web models
- SPARQLMotion: a visual scripting language for semantic data processing. Scripts that implement sophisticated data services, data processing and transformations (including queries) can be quickly assembled saving costly development time

With its rich variety of application support paths and capabilities, TopBraid Suite provides a flexible data integration process and SOA capable infrastructure for solutions. TopBraid solutions can deliver a wide range of live, connected information from diverse enterprise sources such as databases and spreadsheets.