# Going Live with Enterprise Solutions

## **Deep Dives into TopBraid EVN, Part 2:**

# **Collaborative Ontology Management**

## February 25, 2016





Today's Program

**TopQuadrant**<sup>™</sup>

I. What can TopBraid EVN's Ontology Management Capabilities do for You?



Jack Spivak



II. Ontology Management in Action

III. Questions and Answers



Irene Polikoff



## **TOPQUADRANT COMPANY**

#### FOCUS

- TopQuadrant was founded in 2001
- Our focus is to harness emerging technology to build practical but innovative business applications.

## FOUNDATION

• Strong commitment to standards-based approaches to data semantics

#### **MISSION**

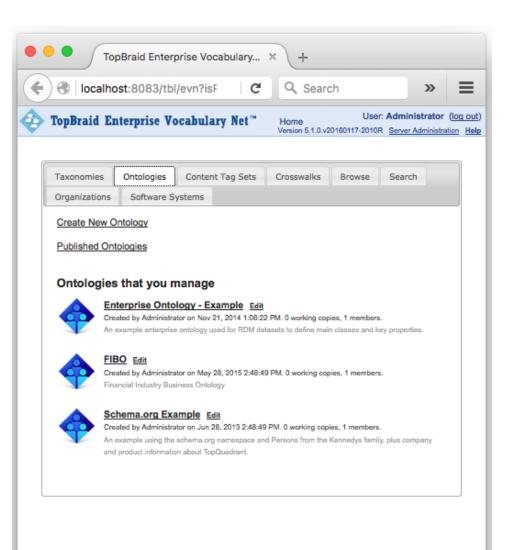
• Empower people — by making enterprise information meaningful

## What is TopBraid EVN?

# **TopBraid EVN:**

A flexible, multi-user web-based solution for collaboratively managing different types of models:

- Ontologies
- ✓ Taxonomies
- ✓ Business Glossaries
- ✓ Crosswalks
- ✓ Tagsets



# Collaboration support for many kinds of models with

- Working Copies (create, freeze, report on, and commit)
- Import and export

**TopQuadrant**<sup>™</sup>

- Manager, editor, viewer roles
- Data quality constraints
- Show history, show affected working copies
- Rich search
- Ontology publication with Explorer

## **Taxonomies**

**TopQuadrant**<sup>™</sup>

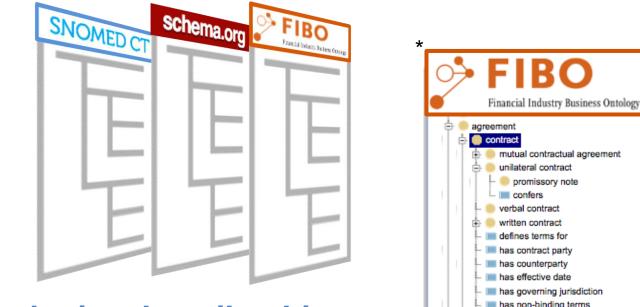
- Organize controlled vocabulary terms or concepts into a hierarchy of "broader" or "narrower"
- Relationships often "standardized" by SKOS ontology

## **Ontologies**

- Organize/describe classes, data instances with relationships, attributes, metadata and rules
  - Schema-only
  - Schema + Instances (data)
- Model a knowledge domain or a specific business area



**Ontologies are becoming important in many different** industries and key to enabling critical business capabilities.



These ontologies describe things and relationships in healthcare, financial services or search.

mutual contractual agreement has non-binding terms has principal has terms has third party is assignable supersedes utual anreemen 🔷 ] [ ∎Ŷ contract

\*FIBO is a project of the Enterprise Data Management Council. See http://www.edmcouncil.org/financialbusiness © Copyright 2014 TopQuadrant Inc. Slide 7

Benefits: Ontologies and Ontology Management

## *Why? Meaning and metadata captured in ontologies helps:*

## Understanding

Enables people and the systems they use to understand the things and relationships needed for effective action

## Communication

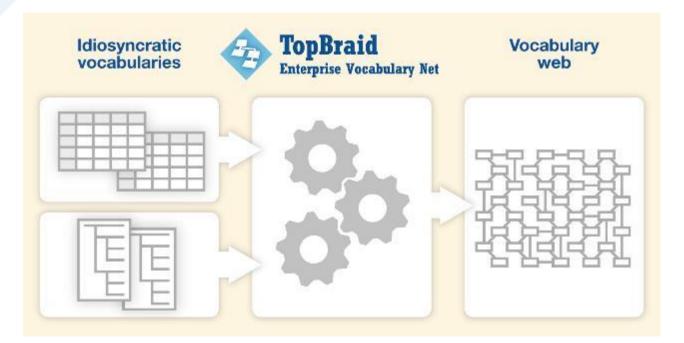
Information producers and information consumers organize, share and exchange any type of data and content, anytime, anywhere.

## √ Use

Supports flexible data integration, data sharing, interoperability

#### How does EVN help?

## **EVN Enables a Web of Ontologies**



- Enables the incremental growth / evolution of a 'Dynamic Web of Terminology'
- Creates links between terminology elements that were un-connectable
- Supports different perspectives and versions

#### Govern

Define, review, and manage ontologies with a streamlined interface that is well-suited for business users

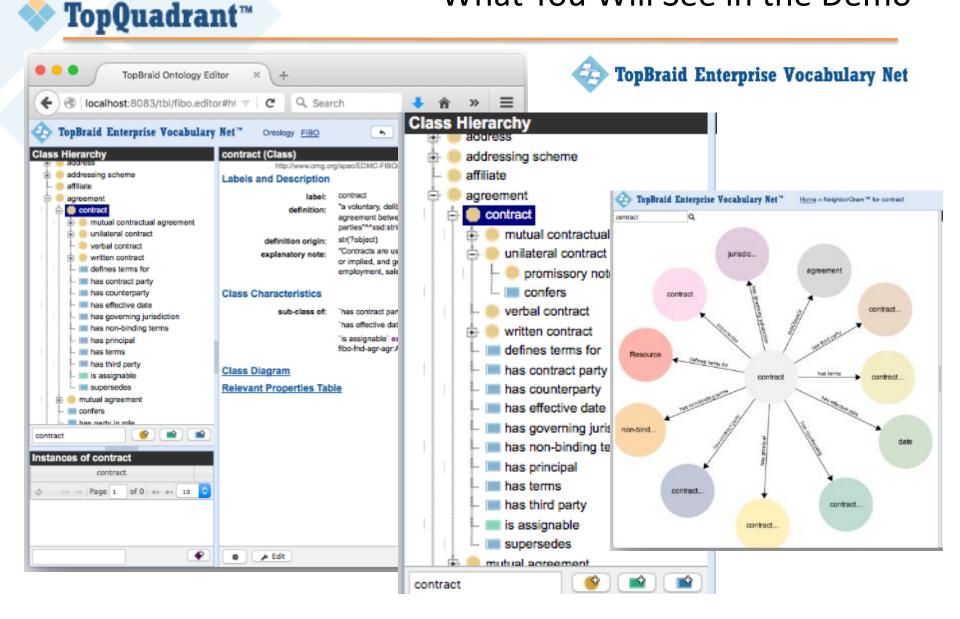
#### Connect

Build meaningful relationships across different domain models and systems that use them

#### Use

Publish models for human and automated consumption to support flexible reporting, business intelligence, operational agility, efficiency and effectiveness

#### What You Will See in the Demo

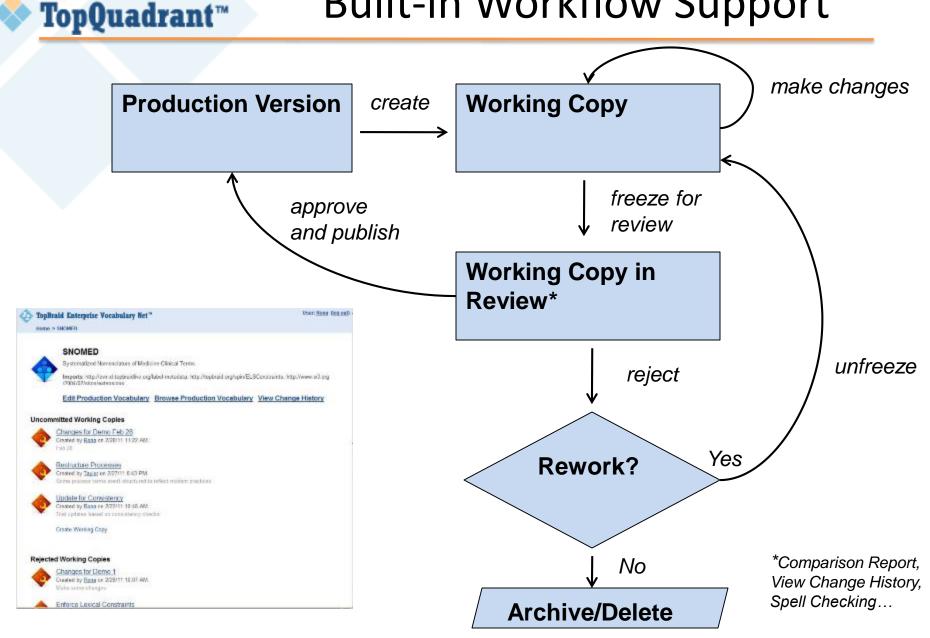




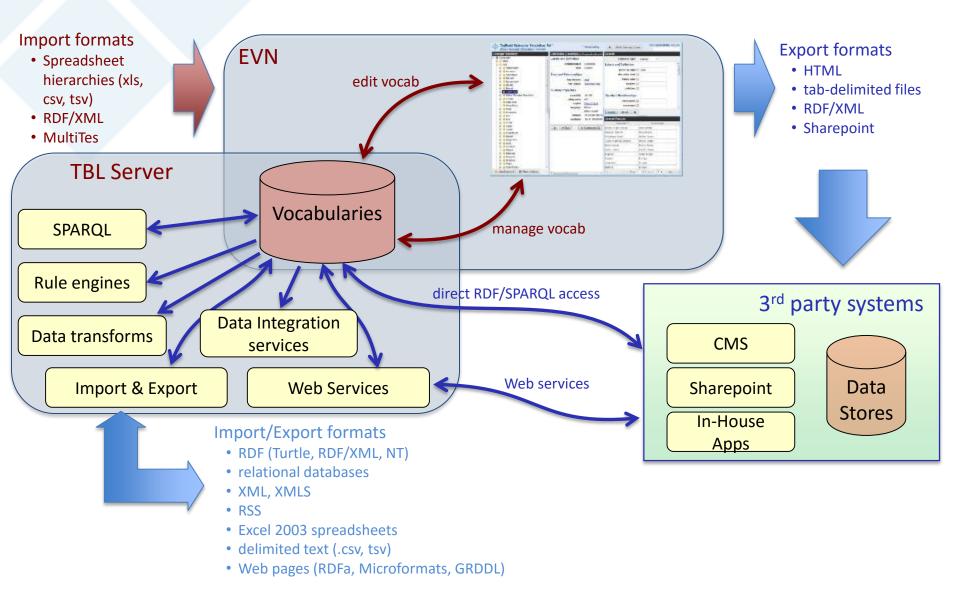
# Demo: Capabilities for Collaborative Ontology Management in TopBraid EVN

- Support for collaboration
  - for defining, linking and reviewing enterprise ontologies and taxonomies
  - role-based access control
  - RACI and notifications of change events
  - audit trails, reports and change management
- Business-friendly UI for creating rich definitions and business rules
- Automated delivery of ontologies to enterprise applications
  - combined with the ability to track their usage across the enterprise
- **Configurability and flexibility** to best fit the needs of your organization

# **Built-in Workflow Support**



# **TopQuadrant** Integration with other systems



- Ontology Editing: Create and edit models using Classes, Attributes, Relationships, Instances and Rules
- **Easy Customization:** Easy customization of user interfaces, custom validation rules and processing via SPARQL Rules and SPARQLMotion
- Unlimited Work-in-Progress Copies: Virtual work-in-progress copies of vocabularies enable controlled publishing, review and approval
- **Reporting:** Built-in reports as well as advanced query-building tools and reporting through graphical interfaces
- Merging, Importing, and Exporting: From and to RDBMs, spreadsheets (CSV & Excel), XML, RSS feeds, SPARQL endpoints, RDF and OWL
- **Systems Integration:** Integrates with existing enterprise or vocabulary management systems via Web Services interfaces and APIs
- Enterprise-ready: Scalable architecture offers a choice of relational and RDF database repositories with LDAP integration for access control

# Thank you!



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Request EVN evaluation demo server: <u>www.topquadrant.com/evn</u>

FIBO Browser ... coming soon !!

