Using EA For Business Modeling
Webinar 1
Introduction to Enterprise Architect Features
J.D. Baker

- Our expert trainer today, J.D. Baker, has a rich background of experience, including being a Software/Systems Engineer with expertise in enterprise architecture, requirements development, software/system architecture, and system design processes and methodologies that support Model-Based Engineering. He is a consultant for model-based analysis and development using Sparx Systems' Enterprise Architect. JD is also a board member, representing Sparx Systems, for the Object Management Group (OMG).
Our Objectives

• What is Sparx Enterprise Architect?
• Understand the types of Models used to support business analysis and business architecture development
  • Business Analysis Book of Knowledge (IIBA BABOK)
  • BPMN
  • Business Architecture Book of Knowledge (BA Guild BIZBOK)
  • Semantics of Business Vocabulary and Rules (SBVR)
This is EA- Open Standards
Customizations Based on Standards
Model Storage

Multiple users accessing the same information even when the model is stored on a file system.
The EA Client Runs on Multiple Platforms

Tested with Codeweavers Crossover or Wine
Enterprise Architect Product Family

- Desktop Edition
- Professional Edition
- Corporate Edition
- Business and Software Engineering Edition
- Systems Engineering Edition
- Ultimate Edition

TODAY’S DEMO ENVIRONMENT
EA VERSION 13.5, BUILD 1351
ULTIMATE EDITION
Summary

• A platform that accelerates and integrates software, business and systems development

• Twice winner of Jolt and multiple SD Times Awards with an installed base of 350,000+ licenses, supported by 230 partners in 160 countries.

• From requirements to implementation and beyond, Sparx Systems' Enterprise Architect is a fully featured tool suite that lets you model, design, simulate, prototype, build, test, manage and trace from vision to solution.
The Business Value of Models

- Communication between people
  - E.g. system requirements between business stakeholders, solution and system architects, developers, and operations personnel.
- Training and learning
- Persuasion and selling
- Analysis of a business situation
- Compliance management
- Development of software requirements
- Direct execution in software engines
- Knowledge management and reuse
The Value of Modeling

• Why Not Model
  • The problem domain is well known.
  • The solution is relatively easy to construct.
  • Very few people need to collaborate to build or use the solution (often only one).
  • The solution requires minimal ongoing maintenance.
  • The scope of future needs is unlikely to grow substantially.

• Why Model
  • To manage the complexity and to understand the associated risks.
  • Create and communicate analysis and designs before committing additional resources.
  • Trace the analysis and design back to the requirements, helping to ensure that they are building the right system.
  • Practice agile, iterative development, in which models and other higher levels of abstraction facilitate quick and frequent changes.
IIBA BABOK

• The IIBA and Sparx Systems have established a partnership
• Sparx EA supports the Business Analysis Book of Knowledge (BABOK)

• Sparx provides a BABOK Reference Model
• Sparx also provides an MDG Technology that supports all of the models described in the BABOK

Business Process

• Business process models are one of the key elements of the BABOK

• Sparx EA implements the BPMN specification and works with the BPMN Model Interchange working group to ensure the implementation is fully compliant with that specification
  • https://www.youtube.com/watch?v=iLg1_QLHzGY
• Sparx Systems North America is leading the development of UML Profile for Business Architecture
• The OMG has issued an RFP asking for a standard way to model business capability as a first step in creating business architecture descriptions
  • http://www.omg.org/cgi-bin/doc.cgi?bmi/2017-3-7

http://www.businessarchitectureguild.org/?page=aboutus
SBVR

• This specification defines the vocabulary and rules for documenting the semantics of business vocabularies and business rules for the exchange of business vocabularies and business rules among organizations and between software tools.

• http://www.omg.org/spec/SBVR/1.4/index.htm
Demonstration

Examples of each of the model types in Enterprise Architect
What’s Next

• More in-depth exploration of each of the topics reviewed here

• First up – BABOK
  • Understanding how to use the reference model
  • Selecting the right elements in the MDG Technology