

BPMN Simplified™ Workshop

– Enterprise Architect™ edition

Accelerate your BPMN project with this intense, interactive workshop that emphasizes pragmatic modeling principles and techniques, and shows how to practice them with Enterprise Architect, an award winning modeling tool.

As businesses expand and compete in the global information age, there are continuous pressures for business analysts to increase the productivity and efficiency of their business processes. **One of the proven means to improve business processes is to model them**, so that expert business analysts can specify both the current state of their enterprise as well as a desired future state. **By comparing and contrasting high-fidelity models of the “as is” and “to be” enterprises, business analysts can identify specific process transformations** that can result in quantifiable improvements to their businesses.

This intensive and interactive workshop explains the basic principles and best practices for business process modeling with BPMN. BPMN (Business Process Modeling Notation) has been adopted by the Object Management Group as its standard visual notation for specifying business processes. This hands-on workshop shows you how to construct a well-formed business model with BPMN, so that your business analysts can efficiently communicate their business process requirements to the software developers who must implement them and the test engineers who must test them.

THE PIVOTPOINT TRAINING ADVANTAGE

- **Authored and taught by experts.** All workshops are authored by PivotPoint's founder, Cris Kobryn, an internationally recognized expert in visual modeling languages and model-driven development technologies. (Cris chaired the international standardization teams for UML 1.1, UML 2.0 and SysML 1.0.) In addition, all PivotPoint instructors have 10+ years experience working with Model-Driven Development technologies.
- **Small, intense and interactive.** We limit workshop sizes, usually to a maximum of 12 students. This ensures that students get the individual attention that they need to learn quickly. Also, our workshops are intense and highly interactive with frequent work sessions, so you will learn from other students as well as your instructor.
- **Proven principles and best practices.** Our workshops emphasize proven modeling principles and best practices that will work with all modeling tools that comply with the relevant standards. If you have already chosen a modeling tool, we can integrate optional tool training in your workshop. If you have not yet selected a modeling tool, we can help you select one that best meets your project and team needs.
- **Emphasis on pragmatic problem solving.** Our workshops emphasize the use of modeling technologies to solve tough, practical problems such as those you encounter on your day job. The bigger and more difficult the problem you choose for practice sessions, the more interesting the workshop will be for the students and the instructor.
- **Flexible choice of venue.** Our workshops are available onsite at Client training facilities, which allow us to customize workshops to meet Client project or team needs, or at PivotPoint training facilities.

WHAT WILL YOU LEARN?

The following are the key learning objectives of the workshop:

- What is BPMN and why do we model business processes?
- BPMN's basic and advanced constructs for specifying processes and artifacts
- How BPMN can model large, complex business processes
- Practical guidelines for specifying correct, clear, concise and consistent models
- How to verify and validate a BPMN model
- How you can customize BPMN for application domains, such as financial, healthcare, communications, and manufacturing
- How to select BPMN tools and methods
- How to draw and execute models using a selected BPMN tool: Enterprise Architect™
- How to learn more about BPMN and business process modeling

WHO SHOULD PARTICIPATE?

Business analysts, software architects/engineers, project managers, and others who want to learn how the BPMN language can improve how they analyze, implement, and manage business processes will benefit from this workshop.

PREREQUISITES

Experience in analyzing, implementing or managing large, complex business processes. Experience using one or more structured analysis/design, object or component methods is desirable.

WORKSHOP AUTHOR & PRIMARY INSTRUCTOR



Cris Kobryn is the CEO and Founder of PivotPoint Technology Corporation, a company that specializes in Model-Driven Engineering Solutions™ for tough business and engineering problems. He is an internationally recognized expert in visual modeling and model-driven development, and has successfully applied these technologies to diverse industries ranging from aerospace-defense and telecom to financial services and manufacturing. Cris has global experience leading high-performance software development teams, and has architected custom applications and commercial products. He formerly held senior technical positions at Telelogic, EDS, MCI Systemhouse, Inference Corporation, and SAIC.

Cris chaired large international teams of vendors and users to specify the Unified Modeling Language (UML) 1.1 and 2.0 standards for software engineering, and the Systems Modeling Language (SysML) for systems engineering. In recognition of Cris's contributions to the UML the Object Management Group (OMG) presented him with its Distinguished Service Award, and in acknowledgement of his contributions to the SysML the International Council on Systems Engineering (INCOSE) presented him with its Outstanding Service Award. Cris is a contributing editor for the *Software and Systems Modeling* journal, and a member of IEEE, INCOSE, ACM, and AAAI.

WORKSHOP SYLLABUS

The workshop syllabus, in a menu form that can be customized to meet your needs, is described at the end of this handout. NOTE: This workshop description and syllabus are subject to revision. Check www.PTCorp.com/training.htm for updates.

WORKSHOP SIZE

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COST, AVAILABILITY, AND FURTHER INFORMATION

This workshop is available at client sites, PivotPoint instructional facilities, or by web conferencing. Costs depend upon your choice of venue, duration, and the number of participants. For further information regarding the contents, availability, and cost of the workshop please email workshops@PTCorp.com or call **+1-760-728-9747**.

WORKSHOP MENU

All PivotPoint workshops include both structured presentations and interactive hands-on work sessions to reinforce learning principles and best practices. In addition, workshops can be customized for different project and team requirements.

- **2 day workshop** includes: *BPMN – Basic* and *BPMN – Intermediate*.
- **3 day workshop** includes: *BPMN – Basic*, *BPMN – Intermediate*, and either *BPMN – Basic Modeling Tool* or *BPMN – Project Practicum*.
- **4 day workshop** includes: *BPMN – Basic*, *BPMN – Intermediate*, *BPMN – Basic Modeling Tool*, and *BPMN – Project Practicum*.
- **5 day workshop** includes: *BPMN – Basic*, *BPMN – Intermediate*, *BPMN – Basic Modeling Tool*, and 2 days of *BPMN – Project Practicum*.

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| <p style="text-align: center;">BPMN – BASIC [Module# LB101]</p> <p>Introduction</p> <ul style="list-style-type: none"> • Model-Driven Engineering (MDE) • Business Process Modeling (BPM) • Basic Concepts • Principles and best practices <p>BPMN Quick Tour</p> <ul style="list-style-type: none"> • Language overview • Diagram walkthrough <p>Diagram Techniques Business Process Diagrams (BPDs)</p> | <p style="text-align: center;">Goals</p> <ul style="list-style-type: none"> • Understand the advantages of a Model-Driven Engineering approach to Business Process Modeling • Comprehend the basic differences among models, processes, frameworks and tools • Learn the basic concepts and principles for modeling business processes with BPMN and UML • Understand how to specify a correct, complete, concise, and consistent business process model |
| <p style="text-align: center;">BPMN – INTERMEDIATE [Module# LB102]</p> <p>Topics</p> <ul style="list-style-type: none"> • Extended BPMN elements • Process levels • Exceptions and transactions • Verification & Validation techniques • Executable models • Using BPMN with UML | <p style="text-align: center;">Goals</p> <ul style="list-style-type: none"> • Learn the advanced constructs of BPMN • Understand how to make your Business Process Models more scaleable • Learn how to improve the integrity and quality of your Business Process Models • Understand how to use BPMN and UML in a complementary manner |
| <p style="text-align: center;">BPMN – BASIC MODELING TOOL: ENTERPRISE ARCHITECT™ [Module# LB111-EA]</p> <p>Topics</p> <ul style="list-style-type: none"> • Projects and diagrams • Generating documentation • Roundtrip engineering • Importing/exporting models • Model validation and metrics • Working with profiles: BPMN • Working with patterns (optional) <p>BPMN Diagram Techniques</p> <ul style="list-style-type: none"> • Business Process Diagrams (BPDs) • Integration with UML diagrams (TBD) | <p style="text-align: center;">Goals</p> <ul style="list-style-type: none"> • Gain familiarity with the user interface and basic features of your selected BPMN modeling tool • Learn how to model most common BPMN diagram types using your selected modeling tool • Understand the strengths and weaknesses of a selected modeling tool • Assess BPMN standards compliance for your selected modeling tool |

BPMN – PROJECT PRACTICUM

[Workshop# LB121]

This one or two-day project practicum provides an opportunity to apply BPMN modeling principles and best practices to solve project modeling problems in a creative and supervised workshop environment. The practicum can be used to facilitate:

- BPMN model peer reviews
- BPMN model revisions and extreme makeovers

Students can identify project modeling problems in advance, or Instructor will work with students to identify them.

Goals

- Identify the BPMN modeling principles and best practices that are most important to your team and your project
- Apply advanced BPMN modeling techniques to project problems that you choose