

Business Process Modeling using BPMN and UML

Duration: 2 Days

Description

This training course aims at helping business analysts to learn to model efficiently their business processes using BPMN as well as resources that are handled by their activities. Being conducted by an agile enterprise framework, business analysts learn during this course how to use appropriate BPMN notations and business extensions of UML in order to deal with their "business requirements" and coherently drive underlying design level activities.

Audience

Business Architects, System Architects, Business Analysts, System Analysts, Software Developers

Outline

Introduction

- Definition of BPM for an Agile Enterprise
- Place of the OMG's BPMN 2.0 in this context

Elements of the BPMN 1.x

- Basic Notions
- Process and Collaboration Diagrams,
- Participants : Pool, Lane
- Diagram repartition on the basis of abstraction levels
- Process, Sub-Process, Activity, Task
- Events and Gateways typology,
- Synchronisations,
- Connectors, Message Flows, Data Objects,
- Best Practices,
- Case Study : Model the Business Process and establish the corresponding bridge toward an Organised Process

Advanced Elements using BPMN 2.0

- BPMN 2.0 advanced concepts
- Choreography, Collaboration and Conversation Diagrams,
- Detailed events and gateway typologies,
- Interruption Management, Incident Management,
- Multi-instance Elements,
- Transaction and Compensation,
- Workflow Patterns,
- Case Study : Update the previous diagrams considering Interruption and Compensation mechanisms

Simulate and Execute BPMN Models

- Process Models Simulation,
- BPMN and BPEL,
- Exchange formats XPD, BPDM,
- Correspondences BPMN and UML,
- BPMN tools,
- Business Analysis Monitoring (BAM),
- Case Study : Check for the previous business process correctness and adjust them

Conclusion

- Steps of an efficient BPMN and Resource Modeling,
- Key Elements of the BPMN within TOGAF and Zachman frameworks,
- Using BPMN for SOA
- Evolution Management : the Roadmap

Prerequisites

There are no prerequisites for this course