

Business Process Analysis with BPMN and UML Training Course Overview

Course Code: BPA0020

Duration: 2 days or 3 days with Hands-On Enterprise Architect Workshop Course on day 3

Who should attend: Business Consultants, Business Analysts, Business Process Engineers, System Analysts, Anyone who is involved in analysing and producing a model of business processes and functional specifications.

Prerequisite Skills: A basic understanding of the way businesses work.

Business Process Analysis traditionally uses data flow diagrams and flow charts. Modern methods use BPMN, which focuses on the identification of business events and models the resulting thread of business activities.

Unified Modelling Language (UML) use cases are now the industry standard for specifying functional requirements that are mapped from these threads to ensure business-systems alignment

This course is aimed at Business Analysts and System Analysts who want to model business processes either for the purposes of business process reengineering or as a context model to be used for the definition of computer system requirements.

It provides an indepth technical study of Business Process Modelling Notation (BPMN), which is the new OMG business modelling standard and is used with UML in software development to ensure that systems align with business requirements.

Course Content

1. Create a business use case diagram.
2. Detail a business use case with an activity diagram.
3. Create a class diagram of business data entities
4. Create class diagrams of business worker line and operational responsibility.
5. Map the model into system use cases

What you will learn

You will learn:

1. The concepts and notation of BPMN.
2. How to create effective models of business processes.
3. How to model the detail of a business process using BPMN.
4. How to build a business entity data model.

5. The essential concepts of UML system use cases for specifying functional requirements.
6. How to map the business model into system requirements.
7. How to model traceability from requirements to specifications.

Business Process Analysis with BPMN and UML Training Course Outline

Introduction

People
Course Structure
Business Process Modelling Notation
Unified Modelling Language
Use Cases
Object Orientation
BPMN and UML in the context of requirements elicitation and specification

Modelling Business Processes

Essential BPMN concepts and notation
Processes and Sub-Processes
Modelling Business Events and Outcomes
Modelling Business Workers and their Roles
The Business Modelling Process

*Business Process Modelling Workshop
using case studies and your own
applications*

Modelling Business Entities

Basic concepts of Object-Oriented
applied to the Business Domain.
UML Class Diagrams
The Business Domain Model

*Business Domain Modelling Workshop
using case studies and your own
applications*

Defining System Use Cases

Essential concepts of Use Cases
Techniques for specifying detailed
Functional Requirements using Use
Cases
Templates for Use Case Specifications
Use Case Specification Workshop

using case studies and your own applications

Mapping into System Requirements

Business Process Models versus
System Use Cases
Mapping Actors and Use Cases
Mapping Business Events and Process
Mapping Business Workers
Mapping the Business Entity Model
Creating and Mapping 'Automated'
Workers and Processes
Mapping Workshop