**Process Modeling with IBM Business Process Manager Standard V8.5.5**

Description: 5300_IBMpos

**WB813 (Classroom)**

**ZB813 (Self-paced)**



Course description

This course teaches core process modeling skills. You also learn a project development approach, process model implementation fundamentals, and exceptional delivery patterns. These skills improve the speed and quality of process definition and implementation efforts.

The course integrates training in business process management (BPM) methods and implementation with IBM Business Process Manager V8.5.5. IBM Business Process Manager V8.5.5 is a comprehensive BPM environment that provides the visibility and insight that is needed to effectively manage the business processes of an organization.

The course begins with an overview of business process management and process modeling, and it emphasizes the concepts of reuse, ease of maintenance, and high-quality development strategies. You use the IBM Business Process Manager Standard V8.5.5 Process Designer to create a business process definition (BPD) from business requirements that are identified during process analysis. You learn how to make team collaboration more efficient by enabling all team members to use standard Business Process Model and Notation (BPMN) elements. BPMN elements make expressing and interpreting business requirements consistent throughout the business process management lifecycle.

The course uses an interactive learning environment, with hands-on demonstrations and class activities to reinforce concepts and check understanding. Lab exercises throughout the course give you hands-on experience with BPM tasks and skills. This course is intended to be collaborative, and you can work in teams to complete class activities.

The lab environment for this course uses the Windows Server 2008 SP2 environment.

For information about other related courses, visit the IBM Training website:

**ibm.com**/training

General information

Delivery method

Classroom or self-paced virtual classroom (SPVC)

Course level

ERC 1.0

Product and version

IBM Business Process Manager Express version 8.5.5

IBM Business Process Manager Standard version 8.5.5

Audience

This course is designed for project members who design and implement detailed logic, data models, and external system integrations for an executable business process definition. These roles include process owners, BPM analysts, BPM authors, BPM developers, BPM administrators, and BPM project managers.

Learning objectives

After completing this course, you should be able to:

* Describe why process modeling is an important phase in the BPM lifecycle
* Explain how to use Process Designer to create a process application
* List and identify the core elements that are used to create a BPD in Process Designer
* Translate workflow steps into business process activities and nested processes
* Use gateways to control the process flow
* Validate that the process model meets playback 0 goals and requirements

Prerequisites

Before taking this course, you should have experience with modern programming techniques.

Duration

2 days

Skill level

Basic

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| Classroom (ILT) setup requirements | |
| Processor | Intel Core i7-3630QM processor |
| GB RAM | 12 GB |
| GB free disk space | 60 available (NOT total) disk space |
| Network requirements | None |
| Other requirements | None |

Notes

The following unit and exercise durations are estimates, and might not reflect every class experience.

This course is an update of the following previous course:

* WB807 or ZB807, *Process Modeling with IBM Business Process Manager Standard V8.5*

Course agenda

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| Course introduction  Duration: 30 minutes |

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| Unit 1. Introduction to business process management  Duration: 1 hour and 30 minutes | |
| Overview | This unit explains the foundational concepts that establish the importance of process modeling. It includes a review of business process management, the business process management lifecycle, the basics of process modeling, and business process management project development. It introduces a case-study scenario that begins the in-class development of a business process definition that is based on the business requirements that are established within the process analysis - playback zero phase of the project. |
| Learning objectives | After completing this unit, you should be able to:   * Define business process management (BPM) * List and describe the phases in the BPM lifecycle procedure * Define process modeling * Describe playback 0 and the achievements that are reached during this stage of project development |

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| Unit 2. Introduction to IBM Business Process Manager and integration with other tools  Duration: 1 hour and 45 minutes | |
| Overview | This unit is an overview of IBM Business Process Manager and integration with other tools. It focuses on how to create a process application in the Process Center, provides a look at the Designer and Inspector views of IBM Process Designer, and introduces the Process Portal. |
| Learning objectives | After completing this unit, you should be able to:   * Describe how to use IBM Business Process Manager to accomplish process modeling goals * Explain how to create and modify process applications in the Process Center * Explain how to create and modify process models with the Designer view of the IBM Process Designer * Describe how to validate process models with the Inspector view of the IBM Process Designer * Describe the purpose of the Process Portal * Describe the purpose and function of Blueworks Live * Describe the integration with other tools and products |

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| Unit 3. Creating a process model  Duration: 2 hours and 30 minutes | |
| Overview | In this unit, you complete the initial work that is needed to interpret business requirements into a process model, which is known as a business process definition (BPD). Because process models are shared in all stages from design to development to deployment, they have a long life within the business process management lifecycle. The BPDs are important for effective collaboration and communication between all BPM project members. |
| Learning objectives | After completing this unit, you should be able to:   * List and describe the core notation elements that are used in IBM Process Designer * Examine a defined workflow from detailed process requirements and identify the interrelated process activities and the roles that are responsible for completing them * Decompose activities into processes and nested processes that contain process tasks * Create a BPD from the process and nested process tasks and responsible roles |

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| Exercise 1. Creating a process application  Duration: 1 hour and 30 minutes | |
| Overview | In this exercise, you learn how to create a process application and BPD in the Process Center, and model teams for the BPD. The exercise also covers how to model task-type activities, create a linked process, and decompose a process into nested processes. |
| Learning objectives | After completing this exercise, you should be able to:   * Create a process application in the Process Center * Create a BPD * Create the foundation for a BPD by adding the appropriate lanes to the default pool * Translate business process workflow steps that are documented in the process discovery and analysis into process model tasks * Model the expected process flow for the initial process model * Decompose business process workflow steps that are documented in the process discovery and analysis into process model tasks * Create a subprocess or a linked process |

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| Unit 4. Defining process flow  Duration: 2 hours and 45 minutes | |
| Overview | Comprehensive process models communicate process flow well. A process flow encompasses the normal, expected process path to completion, in addition to alternative process paths that might occur with different process conditions or business rules. To explain how to communicate both kinds of process flows in the process model, this unit focuses on gateways. It also covers intermediate events that occur in a business process to interrupt or alter the process flow. |
| Learning objectives | After completing this unit, you should be able to:   * Describe process sequence flow and the runtime use of process tokens * List and describe gateways as they are used in IBM Process Designer * Explain how to evaluate conditions for a BPD gateway * Model gateways in a BPD * List and describe intermediate event types that are used in IBM Process Designer * Model a business process escalation path with an attached timer intermediate event |

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| Exercise 2. Modeling gateways and timer intermediate events in a BPD  Duration: 1 hour | |
| Overview | In this exercise, you add gateways to a business process definition, and define the timer intermediate events. |
| Learning objectives | After completing this exercise, you should be able to:   * Add gateways to a business process definition * Model the appropriate sequence flows for each gateway * Add a timer intermediate event to a BPD based on business requirements * Model an escalation path in a BPD with IBM Process Designer * Document details for the implementation team |

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| Unit 5. Validating the process model with playback 0  Duration: 1 hour | |
| Overview | This unit covers process model validation. At the end of the first phase in BPM project development, which is known as playback 0, the BPM team and business stakeholders review the process model that was modified and adjusted through process analysis. Specific goals and requirements from playback zero drive the validation effort. |
| Learning objectives | After completing this unit, you should be able to:   * Describe the playback 0 validation goals and requirements * Validate that a process model meets playback 0 goals and requirements |

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| Exercise 3. Validating the process model  Duration: 1 hour | |
| Overview | In this exercise, you validate the process model. |
| Learning objectives | After completing this exercise, you should be able to:   * Validate that the business process reflects the wanted requirements * Implement the requirements with playback feedback and new process requirements as input |

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| Unit 6. Course summary  Duration: 30 minutes | |
| Overview | This unit summarizes the course and provides information for future study. |
| Learning objectives | After completing this unit, you should be able to:   * Explain how the course met its learning objectives * Access the IBM Training website * Identify other IBM Training courses that are related to this topic * Locate appropriate resources for further study |

For more information

To learn more about this course and other related offerings, and to schedule training, visit **ibm.com/**training.

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