Process Modeling with IBM Business Process Manager Standard V8.5.7

WB822 (Classroom)

ZB822 (Self-paced)

Course description

This course integrates training in business process management (BPM) methods and implementation with IBM Business Process Manager V8.5.7. You learn core process modeling skills and the project development approach. These skills improve the speed and quality of process definition creation efforts.

IBM Business Process Manager is a comprehensive BPM environment that provides the visibility and insight that is required to effectively manage the business processes of an organization.

The course begins with an overview of business process management, emphasizing the concepts of reuse, ease of maintenance, and high-quality development strategies. You create simple ad hoc activities by using the web-based tools, and use the IBM Business Process Manager web Process Designer to create a process 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.

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 provide 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.

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

http://www.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 Standard V8.5.7

Audience

This course is designed for project members who design executable business processes. 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
* Create structured and unstructured processes (formerly Case) by using the web Process Designer
* Explain how to use Process Designer to create a process application
* List and identify the core elements that are used to create a process in the web 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 | 12.0 |
| GB free disk space | 120 |
| Network requirements | LAN / Internet |
| Other requirements | None |

Notes

The following unit and exercise durations are estimates, and might not reflect every class experience. If the course is customized or abbreviated, the duration of unchanged units will probably increase.

This course is an update of course WB818, *Process Modeling with IBM Business Process Manager Standard/Adv V8.5.6*.

Course agenda

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| Course introductionDuration: 15 minutes |

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| Unit 1. Introduction to business process managementDuration: 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 process 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 toolsDuration: 1 hour and 30 minutes |
| Overview | This unit is an overview of IBM Business Process Manager and integration with other tools. It describes how to create a process application in the Process Center, examines the Designer and Inspector views of the web 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 web Process Designer
* Describe how to validate process models with the Inspector view of the web Process Designer
* Describe the purpose of the Process Portal
* Describe the purpose and function of Blueworks Live
* Describe integration with other tools and products
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| Unit 3. Playback 0: Modeling the as-is business processDuration: 1 hour and 30 minutes |
| Overview | In this unit, you learn how to create a structured process application, which is part of the effort within Playback 0. A process application can contain ad hoc activities. |
| Learning objectives | After completing this unit, you should be able to:* Create a process application
* Model a process
* Describe pools and lanes
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| Exercise 1. Playback 0: Creating a process with ad hoc activitiesDuration: 1 hour and 30 minutes |
| Overview | This exercise covers how to create ad hoc activities in the IBM Business Process Manager web Process Designer. |
| Learning objectives | After completing this exercise, you should be able to:* Start IBM Business Process Manager
* Create a process application by using the web Process Designer
* Create the foundation for a structured process by adding the appropriate lanes to the default pool
* Create a process
* Add ad hoc activities to the team lanes
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| Unit 4. Playback 0: Modeling the to-be business processDuration: 2 hours and 30 minutes |
| Overview | This unit provides an overview of BlueWorks Live, which is an IBM tool that is used primarily for modeling and analysis of processes. The unit also covers the core notation elements that are used in the web Process Designer. Naturally, modeling does not end with creation of the process model, but continues through iterations until the business process reflects the specified improvements and adjustments. For this reason, the shift from descriptive modeling to analytical modeling is necessary to produce the process model that is deemed worthy of implementation. This unit covers the categories of activities like processes and nested processes that contain process tasks. |
| Learning objectives | After completing this unit, you should be able to:* Describe the purpose and function of BlueWorks Live
* List and describe the core notation elements that are used in the web 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 process, nested process tasks, and responsible roles
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| Exercise 2. Playback 0: Creating a structured processDuration: 1 hour and 30 minutes |
| Overview | This exercise covers how to create a process application and a process in the Process Center, and model teams for the process. It 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 nested process
* Create the foundation for a process 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 5. Playback 0: Controlling process flowDuration: 1 hour and 30 minutes |
| Overview | This unit covers the modeling of process flow, sequence flow, tokens, gateways, and intermediate events. |
| 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 the web Process Designer
* Explain how to evaluate conditions for a process gateway
* Model gateways in a process
* List and describe intermediate event types that are used in the web Process Designer
* Model a business process escalation path with an attached timer intermediate event
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| Exercise 3. Playback 0: Controlling process flowDuration: 1 hour and 30 minutes |
| Overview | This exercise covers how to create gateways in a process, and how to create timer intermediate events. |
| Learning objectives | After completing this exercise, you should be able to:* Add gateways to a process
* Model the appropriate sequence flows for each gateway
* Add a timer intermediate event to a process based on business requirements
* Model an escalation path in a process with the web Process Designer
* Document details for the implementation team
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| Unit 6. Playback 0: Building consensusDuration: 1 hour |
| Overview | A validation is accomplished through a review session with all business stakeholders, business users, and the BPM development team. This unit describes the Playback 0 validation goals and requirements, explains how to validate that a process model meets the goals and requirements, and describes how to reach consensus on the process model. |
| 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 4. Validating the process modelDuration: 15 minutes |
| Overview | This exercise covers how to validate the business process. |
| Learning objectives | After completing this exercise, you should be able to:* Validate that the business process reflects the intended requirements
* Implement the requirements with Playback feedback and new process requirements as input
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| Unit 7. Course summaryDuration: 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
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For more information

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

To learn more about validating your technical skills with IBM certification, see **ibm.com**/certify