Business Automation Workflow: Introduction to process applications v23

WB875 (Classroom)

ZB875 (Self-paced)

Course description

This one-day introductory course integrates training in Business Process Management (BPM) methods and implementation with IBM Business Automation Workflow. You learn core process modeling and implementation skills, the project development approach, process model implementation fundamentals, and delivery patterns.

For information about other related courses, see 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 Automation Workflow 23.0.2

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. 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:

* Understand the key capabilities of Business Automation Workflow
* Describe the high-level architecture for Business Automation Workflow
* List the core notation elements that are used in the IBM Process Designer
* Describe the purpose and function of Blueworks Live
* Understand Business Process Management (BPM) principles and the process spectrum
* Describe how to model a structured process

Prerequisites

Before taking this course, you should have:

* Practical knowledge of data structures
* Understanding of SQL syntax and JavaScript
* Basic understanding of web services
* Experience with modern programming techniques

Duration

1 day

Skill level

Basic

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| Classroom (ILT) setup requirements |
| Processor | Intel Xeon Platinum 8260CPU @ 2.40GHZ |
| GB RAM | 16.0 |
| GB free disk space | 100 |
| 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 WB835 Developing Workflow Solutions using Business Automation Workflow 20.0.0.1.

Course agenda

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| Course introductionDuration: 15 minutes |

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| Unit 1. Introduction to IBM Business Automation WorkflowDuration: 1 hour and 30 minutes |
| Overview | This unit is an overview of IBM Business Automation Workflow, it’s key capabilities, high-level architecture, and its primary components. It focuses on how to create a process application in the Workflow Center, provides a look at the Designer and Inspector views of the IBM Process Designer, and introduces the Process Portal and Workflow repository. |
| Learning objectives | After completing this unit, you should be able to:* Understand the key capabilities of IBM Business Automation Workflow
* Describe how to use IBM Business Automation Workflow to accomplish process modeling goals
* Explain how to create process applications in the Workflow Center
* Explain how to design process models by using the IBM Process Designer
* Describe the purpose of the Process Portal, Process Designer, and the Workflow Center repository
* Describe the high-level architecture for IBM Business Automation Workflow
* Explain the benefits of using IBM Business Automation Workflow on Cloud
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| Exercise 1. Creating your first process applicationDuration: 1 hour |
| Overview | This exercise introduces Business Automation Workflow and the creation of your first process application. You are also introduced to various tools that can be used for troubleshooting. After creating your process application, you learn how to export and import snapshots. |
| Learning objectives | After completing this exercise, you should be able to:* Start IBM Business Automation Workflow
* Create a process application in Workflow Center
* Use the Process Admin console and other tools to aid in troubleshooting
* Export and Import process applications
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| Unit 2. Introduction to Business Process ManagementDuration: 1 hour |
| 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, the Playback methodology, and Business Process Management project development. |
| Learning objectives | After completing this unit, you should be able to:* Understand the process spectrum
* Define Business Process Management (BPM)
* Define process modeling
* Understand the high-level project phases of a BPM project
* List and describe the phases in the IBM Playback methodology
* Describe Playback 0 and the achievements that are reached at this stage in the Playback methodology
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| Unit 3. Playback 0: Modeling the As-Is and To-Be business processesDuration: 1 hour and 30 minutes |
| Overview | In this unit, you learn how to create a structured process application based on an examination of requirements. You also learn how to identify process activities, decompose some activities into a nested process, and build the initial process. You learn the purpose of Blueworks Live and how it fits into the process development lifecycle. The unit also covers the core notation elements that are used in IBM Process Designer, and the categories of activities like processes and nested processes that contain process tasks. It concludes with 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:* Describe how to model a process
* Decompose activities into a nested process
* List and describe the core notation elements that are used in IBM Process Designer
* Describe the purpose and function of Blueworks Live
* Examine a defined workflow from detailed process requirements and identify the interrelated process activities and the roles that are responsible for completing them
* Describe the requirements of the Hiring Request Process use case
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| Exercise 2. Playback 0: Creating the To-Be processDuration: 1 hour and 30 minutes |
| Overview | This exercise covers how to create a process using IBM Process Designer. The Hiring Requisition process owner provided detailed information about the process and its current state to the BPM analyst, who in turn documented the information. This step completed the process discovery and initial analysis, and now the process model can be created. To accomplish the task of creating the initial process model, you model it with a pool, lanes, and flow objects such as activities, and events, and nested processes. You take the information that is provided for the use case and translate that into a process. Your first task is to create a process and name it according to naming conventions. Add the activities in the appropriate lanes and use sequence flow to connect the activities. Be sure to model the happy path (critical path) first. You also complete decomposition on your process and create a linked process where you see the opportunity. |
| Learning objectives | After completing this exercise, you should be able to:* Translate business process workflow steps that are documented in the process discovery and analysis into process model tasks
* Create the foundation for a process by adding the appropriate lanes to the default pool
* 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 linked process
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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

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