



IBM Business Process Manager

Developer Skills for IBM Business Process Manager Express or Standard V8.5.7

Role

The Developer builds shared process models that maximize team efficiency by enabling all team members to express and interpret business requirements consistently using standard process model elements and notation. The Developer uses product skills and good practice methods to design and implement process applications using IBM Business Process Manager; delivers business value more quickly through collaborative development techniques and efficient reuse of data and functionality from existing systems; controls the flow of process execution, decision making and exception management across multiple organizational roles and systems/applications; tailors user screens for each process activity to enable end-users to interact with multiple internal/external systems through a single interface; builds an executable process model that communicates enough implementation detail for direct execution while retaining clarity required for maintainability and business stakeholder communication.

Assumptions

It is assumed that the individual following this roadmap already has skills in the following areas:

- Working knowledge of underlying operating system platforms
- Basic knowledge of data structures
- Basic knowledge of SQL syntax
- Basic knowledge of web technologies such as HTML and JavaScript
- Basic understanding of web services
- An understanding of with modern programming languages and techniques

Objectives

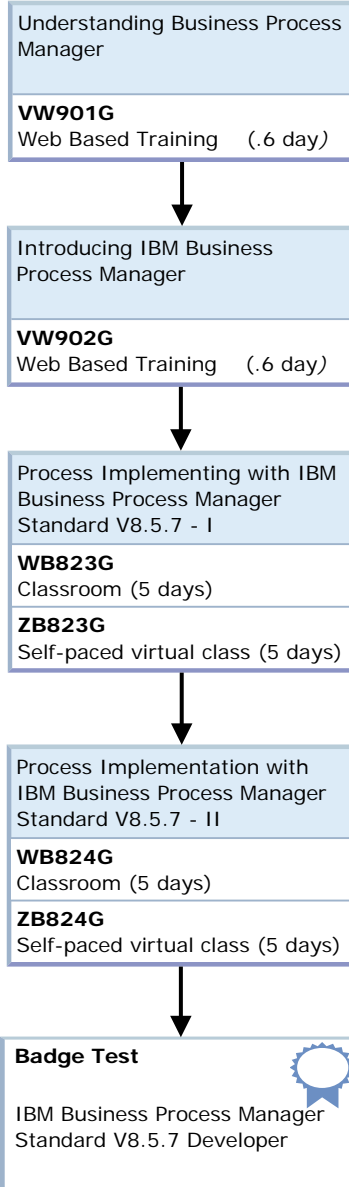
After completing this training path, students should be able to:

- Understand the value of BPM
- Describe why process modeling is an important phase in the BPM lifecycle
- Create structured and unstructured processes (formerly Case) using Web Process Designer
- Identify how to use Process Designer to create a process application
- List and identify the core elements that are used to create a process 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
- Identify how intermediate events are used during the execution of a business process
- Describe the architecture of IBM Business Process Manager
- Organize process assets into toolkits
- Manage variables and data flow
- Implement gateways and routing to control process flow
- Build a business data model
- Build services and user input forms (coaches)
- Create a snapshot for deployment
- Create a decision service
- Model and implement message events
- Apply asset tags to organize artifacts
- Enhance coaches for a rich user experience and apply a theme
- Implement effective error handling in processes and services
- Describe IBM Business Process Manager topology considerations and typical system configurations
- Use the REST API tester to integrate with external systems
- Integrate with a Content Management Interoperability Services (CMIS) system and use content events in a process
- Translate a coach into numerous languages through localization
- Design an IBM Business Process Manager data architecture for a process application with complex business data
- Model all decision authority for a process and employ complex logic for task routing and assignments
- Construct complex task and process task-to-task interaction controls
- Identify and solve common integration issues

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