BIT800

Process Orchestration Overview

COURSE OUTLINE

Course Version: 22
Course Duration:

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Typographic Conventions

American English is the standard used in this handbook.

The following typographic conventions are also used.

This information is displayed in the instructor's presentation	
Demonstration	
Procedure	
Warning or Caution	
Hint	
Related or Additional Information	
Facilitated Discussion	
User interface control	*Example text*
Window title	*Example text*

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Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Application Consultant
- Development Consultant
- Technology Consultant
- Business Process Architect
- Business Process Owner/Team Lead/Power User
- Developer
- Enterprise Architect
- Solution Architect
- System Architect

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UNIT 1 Introduction to Process Orchestration

Lesson 1: Explaining, how the Recent Rebranding Displays in This Material

Lesson Objectives

After completing this lesson, you will be able to:

- Explain, how the recent rebranding displays in this material

Lesson 2: SAP Business Technology Platform (BTP)

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the SAP Business Technology Platform

Lesson 3: Defining Process Orchestration

Lesson Objectives

After completing this lesson, you will be able to:

- Outline the basics of Process Orchestration

Lesson 4: Outlining Business Process Management (BPM)

Lesson Objectives

After completing this lesson, you will be able to:

- Outline the main objects of BPM

Lesson 5: Outlining Business Rules Management (BRM)

Lesson Objectives

After completing this lesson, you will be able to:

- Outline BRM

Lesson 6: Outlining Advanced Adapter Engine Extended (AEX)

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Lesson Objectives
After completing this lesson, you will be able to:

- Outline Advanced Adapter Engine Extended (AEX)

Lesson 7: Performing BPM with BRM and AEX

Lesson Objectives
After completing this lesson, you will be able to:

- Run business processes on an AEX

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UNIT 2 Business Process Overview and Development Steps

Lesson 1: Configuring NWDS Development Tools

Lesson Objectives

After completing this lesson, you will be able to:

- Outline the configuration of business processes

Lesson 2: Using the SAP NWDS 7.5

Lesson Objectives

After completing this lesson, you will be able to:

- Working with SAP NWDS 7.5

Lesson 3: Discussing BPMN in NWDS

Lesson Objectives

After completing this lesson, you will be able to:

- Develop business processes

Lesson 4: Exploring the Development Infrastructure

Lesson Objectives

After completing this lesson, you will be able to:

- Explore the development infrastructure

Lesson 5: Outlining Business Processes

Lesson Objectives

After completing this lesson, you will be able to:

- Outline business processes

Lesson 6: Sketching the BPMN Process

Lesson Objectives

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After completing this lesson, you will be able to:

- Outline the elements of a BPMN process

Lesson 7: Sketching the Purchase Order Process

Lesson Objectives

After completing this lesson, you will be able to:

- Sketch the purchase order process

Lesson 8: Explaining the Procedure Models

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the procedure models

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UNIT 3 A BPMN Process

Lesson 1: Outlining the Roles and Authorizations of a BPMN Process

Lesson Objectives

After completing this lesson, you will be able to:

- Outline the roles and authorizations of the main process in BPMN

Lesson 2: Importing Objects into the ESR

Lesson Objectives

After completing this lesson, you will be able to:

- Import objects into a process

Lesson 3: Outlining Start and End Events for the PO Process

Lesson Objectives

After completing this lesson, you will be able to:

- Outline start and end events for PO

Lesson 4: Handling Service Interfaces

Lesson Objectives

After completing this lesson, you will be able to:

- Explain service interfaces

Lesson 5: Adding Activities to a Business Process

Lesson Objectives

After completing this lesson, you will be able to:

- Add activities to a business process

Lesson 6: Calling a Web Service from an Automated Activity

Lesson Objectives

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After completing this lesson, you will be able to:

- Call a web service from an automated activity

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UNIT 4 Connectivity with the Advanced Adapter Engine Extended (AEX)

Lesson 1: Configuring Scenarios in the ESR Browser

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the business case AEX

Lesson 2: Explaining the SAP Process Integration Designer

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the SAP Process Integration Designer

Lesson 3: Monitoring with Process Integration Monitoring (PIMON)

Lesson Objectives

After completing this lesson, you will be able to:

- Monitor messages with Process Integration Monitoring (PIMON)

Lesson 4: Testing a Process with AEX

Lesson Objectives

After completing this lesson, you will be able to:

- Test the procurement process with AEX

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UNIT 5 Data Flows

Lesson 1: Defining Process Context

Lesson Objectives

After completing this lesson, you will be able to:

- Define process context

Lesson 2: Explaining Data Objects

Lesson Objectives

After completing this lesson, you will be able to:

- Explain data objects

Lesson 3: Creating Data Mappings

Lesson Objectives

After completing this lesson, you will be able to:

- Create mappings

Lesson 4: Explaining Gateways

Lesson Objectives

After completing this lesson, you will be able to:

- Explain gateways

Lesson 5: Applying Data Transformations by Using Functions

Lesson Objectives

After completing this lesson, you will be able to:

- Apply data transformations by using functions

Lesson 6: Outlining Notification Activities for PO

Lesson Objectives

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After completing this lesson, you will be able to:

- Explain notification activities

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UNIT 6 Other Objects

Lesson 1: Explaining Process Modes

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the process modes

Lesson 2: Explaining the Various UIs and Tasks

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the various UIs and tasks

Lesson 3: Adding Tasks to the PO Process

Lesson Objectives

After completing this lesson, you will be able to:

- Explain Tasks for PO

Lesson 4: Creating a User Interface with SAPUI5

Lesson Objectives

After completing this lesson, you will be able to:

- Create a user interface with SAPUI5

Lesson 5: Creating Tasks

Lesson Objectives

After completing this lesson, you will be able to:

- Create tasks

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UNIT 7 Deployment and Testing of a Process

Lesson 1: Building and Deploying a Process

Lesson Objectives

After completing this lesson, you will be able to:

- Explain compiling and deploying of PO processes

Lesson 2: Explaining the Configuration of a Process

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the configuration of the PO processes

Lesson 3: Using Service Groups

Lesson Objectives

After completing this lesson, you will be able to:

- Use service groups

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UNIT 8 Process Tasks and Monitors

Lesson 1: Managing Process Desk Tasks

Lesson Objectives

After completing this lesson, you will be able to:

- Manage process desk tasks

Lesson 2: Using the Business Process Management (BPM) Inbox

Lesson Objectives

After completing this lesson, you will be able to:

- Use the Business Process Management (BPM) inbox

Lesson 3: Using BPM Analytics

Lesson Objectives

After completing this lesson, you will be able to:

- Monitor a procurement process

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UNIT 9 The Complete Integration Process

Lesson 1: Configuring Referenced Activities

Lesson Objectives

After completing this lesson, you will be able to:

- Configure referenced activities

Lesson 2: Explaining Boundary Events in the Delivery and Purchase Order Process

Lesson Objectives

After completing this lesson, you will be able to:

- Explain boundary events in the delivery and purchase order process

Lesson 3: Executing the Purchase Order Process

Lesson Objectives

After completing this lesson, you will be able to:

- Execute the purchase order process

Lesson 4: Explaining Testing and Monitoring of a PO Process

Lesson Objectives

After completing this lesson, you will be able to:

- Explain testing and monitoring of PO processes

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UNIT 10 Business Rules Management (BRM)

Lesson 1: Explaining Business Rules Management

Lesson Objectives

After completing this lesson, you will be able to:

- Explain Business Rules Management (BRM)

Lesson 2: Creating Rules with the Rules Composer

Lesson Objectives

After completing this lesson, you will be able to:

- Create rules with the Rules Composer

Lesson 3: Managing Business Rules with the Rules Manager

Lesson Objectives

After completing this lesson, you will be able to:

- Use the Business Rules Manager

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