Courses Listed

Advanced

- BIT500 - SAP Java Process Integration
- BIT800 - Process Orchestration Overview
### BIT500  SAP Java Process Integration

<table>
<thead>
<tr>
<th>Country</th>
<th>Delivery method &amp; Location</th>
<th>Solution Release</th>
<th>Language</th>
<th>Timeframe</th>
<th>Cost</th>
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<tr>
<td>United States of America</td>
<td></td>
<td>SAP PROCESS ORCHESTRATION 7.5</td>
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<td>10 Jun - 14 Jun 2019</td>
<td>$3,750.00 (USD)</td>
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### BIT800  Process Orchestration Overview

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<td>English</td>
<td>5 Aug - 9 Aug 2019</td>
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BIT500 - SAP Java Process Integration

Duration
5 days

Course announcements
- In this course, participants will gain knowledge in configuring SAP Java Process Integration and learn how to implement different integration scenarios with SAP and non-SAP applications. The course comes with hands-on exercises.
- You should attend this course If your system is a JAVA only based system - meaning SAP Process Integration JAVA or SAP Process Orchestration. if your system is a dual-stack or dual usage of SAP Process Integration then you should attend BIT400 instead.

Goals
- This course will prepare you to:
  - Explain the use of SAP Process Integration and the path to SAP Process Orchestration (AEX, BPM and BRM)
  - Explain SAP Process Integration architecture
  - Configure JAVA scenarios
  - Explain Mapping concepts
  - Configure different options to connect a back-end system to the SAP Process Integration JAVA.

Audience
- Application Consultant
- Developer
- Development Consultant
- Enterprise Architect
- Project Manager
- Solution Architect

- Super/Key/Power User
- System Administrator
- System Architect
- Technology Consultant

Essential
- BIT100, SAP NetWeaver Integration Technology Overview

Course based on software release
- SAP Process Orchestration 7.5, SP13

Content
- SAP Process Integration Architecture
- Explain the Enterprise Service Bus
- Explain SAP Process Integration architecture
- Navigate to the Enterprise Services Repository (ESR)
- Navigate to the Integration Builder
- Configure the Integration Designer in Eclipse
- Explain SAP Process Orchestration and the Advanced Adapter Engine (AEX)
The System Landscape Directory (SLD)
- Use product and software component terminology
- Create products and software components in the System Landscape Directory (SLD)
- Import software components from the System Landscape Directory (SLD) into the Enterprise Service Repository (ESR)
- Implement technical systems in the System Landscape Directory (SLD)
- Maintain the SAP NetWeaver Application Server for Java and ABAP in the System Landscape Directory (SLD)
- Create third-party technical systems in the System Landscape Directory (SLD)
- Maintain Business Systems in the System Landscape Directory (SLD)
- Import a business system into the SLD
- Interface Objects in the Enterprise Service Repository (ESR)
- Use the Enterprise Services Browser in SAP Integration Designer Perspective in Eclipse
- Access the ESR objects
- Search the ESR objects
- Display data types
- Create message types
- Create interface objects
- Import interface objects into the ESR
- Define the QoS and message processing types
- Object Mapping in the Enterprise Service Repository (ESR)
- Display a message mapping
- Create message mappings
- Create an operation mapping in the ESR
- Configuration of Integration Directory (ID) Communication Objects
- Explain configuration views
- Create a communication channel
- Configuration of Integration Directory Objects for Advanced Adapter Engine
  Extended Processing
- Create an AEX integration flow
- Validate XML
- SAP Process Integration Operations
- Access SAP Process Integration Monitoring
- Use the SAP NetWeaver Administrator functionality
- Explain the difference between logging and staging
- Configure the logging and staging behavior
- Connectivity Options for SAP Process Integration
- Use different adapters
HTTP Connectivity Options
- Use the HTTP_AAE (Java) adapter
- Configure the SOAP sender adapter
- Configure the SOAP receiver adapter
- Use the proxy configuration
- Use the server proxy
- Use the client proxy
- Analyze the proxy configuration
- Use web services
- Create a web service based on proxy technology

File Adapter Configuration
- Configure the receiver File/FTP adapter
- Configure the sender file adapter

Intermediate Document (IDoc) Connectivity Options
- List the benefits of the IDOC_AAE
- Use the functionality options on the Remote Function Call (RFC) parameters tab
- Use the Intermediate Document (IDoc) functionality options on the modules tab
- Use the functionality options of the advanced tab
- Configure the receiver IDoc_AAE adapter
• Configuration of SAP Business Application Programming Interfaces (BAPI Connectivity)
• Check RFC signatures
• Configure the receiver RFC adapter
• Configure the sender RFC scenario in SAP Process Integration
• Execute communication through the sender RFC adapter
• Other Connectivity Options
• Explain other connectivity options
• Use the REST adapter
• Expose a function module as RESTful service
• Consume a synchronous RESTful service
• Advanced Mapping Concepts
• Explain message-mapping structures and elements
• Explain queues in message mapping
• Explain the impact of context selection and deletion
• Use the message-mapping debug process
• Create user-defined message-mapping functions
• Map multiple messages
• Import and use XSLT mappings

Notes
• This course is not an introductory course. It requires knowledge, delivered in the BIT100 course. It additionally contains information about the HTTP adapter, File adapter, BAPIs and IDoc, because, these integration techniques are commonly used.
**Course Listing**

**BIT800 - Process Orchestration Overview**

**Duration**

5 days

**Course Announcements**

- In this course, the participants will gain profound knowledge in configuring business processes with Process Orchestration. Beside theoretical lessons, the participants will configure several business processes in various exercises.

**Goals**

- This course will prepare you to:
- Configure various process orchestrated business scenarios
- Use the required tools

**Audience**

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

**Essential**

- BIT500 (or, BIT400)

**Course Based on Software Release**

- SAP Process Orchestration 7.50

**Content**

- Introduction to Process Orchestration
- Outline the basics of Process Orchestration
- Outline the main objects of BPM
- Outline BRM
- Outline Advanced Adapter Engine Extended (AEX)
- Run business processes on an AEX
- Business Process Overview and Development Steps
- Outline the configuration of business processes
- Develop business processes
- Explore the development infrastructure
- Outline business processes
- Outline the elements of a BPMN process
- Sketch the purchase order process
- Explain the procedure models
- A BPM Process
- Outline the roles and authorizations of the main process in BPMN
- Import objects into a process
- Outline start and end events for PO
- Explain service interfaces
- Explain automated activities for PO
- Add activities to a business process
- Call a web service from an automated activity
• Connectivity with the Advanced Adapter Engine Extended (AEX)
• Explain the business case AEX
• Explain the SAP Process Integration Designer
• Monitor messages with Process Integration Monitoring (PIMON)
• Test the procurement process with AEX
• Data Flows
• Define process context
• Explain data objects
• Create mappings
• Explain gateways
• Apply data transformations by using functions
• Explain notification activities
• Configure and use reporting activities in a business process
• Other Objects
• Explain the process modes
• Explain the various UIs and tasks
• Create a user interface with SAPUI5
• Create tasks
• Deployment and Testing of a Process
• Explain compiling and deploying of PO processes
• Explain the configuration of the PO processes
• Use service groups
Process Tasks and Monitors
- Manage process desk tasks
- Use the Business Process Management (BPM) inbox
- Monitor a procurement process
- The Complete Integration Process
- Configure referenced activities
- Explain boundary events in the delivery and purchase order process
- Execute the purchase order process
- Explain testing and monitoring of PO processes
- Explain data flow modeling
- Business Rules Management (BRM)
- Explain Business Rules Management (BRM)
- Create rules with the Rules Composer
- Use the Business Rules Manager
- Configuration of Tasks and Extensions
- Explain special configuration tasks in SAP NetWeaver Administrator (NWA)
- Monitor the health state of the application
- Explain SAP operational process intelligence

Notes
- This course is not an introductory course. It requires knowledge, delivered in the courses BIT500 and BIT100. Please note the BIT500 is the successor of the course BIT400. So, the knowledge of the BIT400 is appropriate.
COURSE LISTING

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