



# SAP Progress Integration (PI)

Academia

# SAP Material Management (PI)

**TIPO:** Academia

**DURACIÓN:** 60 Hs (3 Semanas) + E-Learnings

**SOLUTION:** SAP NetWeaver

**IDIOMA:** Inglés

## COURSES

### TBIT40: SAP NetWeaver Process Integration

**TIPO:** Curso Presencial / Distancia

**DURACIÓN:** 30 Hs.

**SOLUTION:** SAP NetWeaver

**IDIOMA:** Inglés

## GOALS

- The participants will learn to configure scenarios
- Understand and configure the different options with which a back-end system can be connected to the SAP Process Integration (formerly known as SAP Exchange Infrastructure).

## AUDIENCE

- Business Process Architect
- Developer
- Developer Consultant
- System Administrator
- System Architect
- Technology Consultant

## PREREQUISITES

### Essential

- BIT100

### Recommended

- SAPTEC Fundamentals of SAP Web AS
- Basic knowledge of Integration Technologies
- Basic Understanding of XML

## SOFTWARE RELEASE

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- SAP Process Integration 7.40

## CONTENT

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- SAP Process Integration Architecture
  - Describing SAP Process Integration Architecture
  - Explaining the Functionality and Utilization of SAP Process Integration
- The System Landscape Directory (SLD) Maintaining Products and Software Components in the System
  - Landscape Directory (SLD)
  - Implementing Technical Systems in the System Landscape Directory
  - Maintaining Business Systems for Use in the Integration Directory
- Interface Objects in the Enterprise Service Repository (ESR)
  - Listing Options for Navigating the Enterprise Services Repository (ESR) Analyzing Interface Objects in the Enterprise Services Repository (ESR)
  - Maintaining Interface Objects
  - Defining Message Processing Types and Quality of Services
- Object Mapping in the Enterprise Service Repository (ESR)
  - Creating Message Mapping Objects
  - Mapping Between Service Interfaces
  - Analyzing Asynchronous Integration Scenarios
- Configuration of Integration Directory Communication Objects
  - Using Configuration Views
  - Creating Communication Channels in the Integration Directory (ID)
- Configuration of Integration Directory Objects for ABAP Processing
  - Analyzing Objects Used in the Configuration of Integration Engine (IE) Communication
  - Analyzing Routing Objects Used in Integration Engine (IE) Communication
  - Analyzing Multiple Receiver Objects Used in Integration Engine (IE) Communication
- Configuration of Integration Directory Objects for Java Processing
  - Maintaining Objects for Advanced Adapter Engine (AAE)-Only Processing
  - Maintaining Objects for Advanced Adapter Engine Extended (AEX) Message Processing
  - Creating and Deploying Integration Flows to the Advanced Adapter Engine Extended (AEX)
- Operations of SAP Process Integration
  - Using the Runtime Workbench
  - Using the Process Integration Monitoring (PIMon) Home
  - Using the SAP NetWeaver Administrator
- Connectivity Options for SAP Process Integration

- Analyzing Connectivity Options between Back-End Systems with SAP Process Integration
- HTTP Connectivity Options
  - Configuring the Simple Object Access Protocol (SOAP) Adapter
  - Using Proxy Technology
  - Checking the HTTP ABAP Adapter
  - Using the HTTP\_AAE (Java) Adapter
- File Adapter Configuration
  - Configuring the Receiver File Adapter
  - Configuring a Sender File Adapter
- Intermediate Document (IDoc) Connectivity Options
  - Using the Intermediate Document (IDoc) Adapter with the Receiver
  - Intermediate Document Adapter for the ABAP Stack
  - Using the Sender Intermediate Document (IDoc) Adapter
  - Using the Intermediate Document (IDoc) Adapter in the Advanced Adapter Engine (AAE)
  - Configuring a Complete Intermediate Document (IDoc) Scenario
- Configuration of SAP Business Application Programming Interfaces (BAPIs) Connectivity
  - Configuring the Receiver Remote Function Call (RFC) Adapter
  - Configuring the Sender Remote Function Call (RFC) Scenario
- Enterprise Services and B2B Connectivity
  - Analyzing Enterprise Services
  - Configuring Business-to-Business (B2B) Connectivity
- Cross-Component Business Process Management (ccBPM) Integration Processes
  - Analyzing the Runtime of the Cross-Component Business Process Management (ccBPM)
  - Identifying the Steps to Create and Use an Integration Process

## BIT402: PI Adapter Concepts (Adapter Overview, Advanced Adapter Engine, File, JDBC, JMS, Mail)

**TIPO:** E-Learning

**DURACIÓN:** 6 horas

**SOLUTION:** SAP NetWeaver

**IDIOMA:** Inglés

### GOALS

- Configure various adapters with SAP NetWeaver Process Integration

### AUDIENCE

- Development Consultants responsible for configuration of SAP PI scenarios

## PREREQUISITES

### Essential

- BIT400 /TBIT40: Knowledge of SAP NetWeaver Process Integration

### Recommended

- BIT100 SAP NetWeaver Process Integration – Overview or equivalent form of knowledge

## SOFTWARE RELEASE

- SAP NetWeaver PI 7.3

## CONTENT

- Adapter Overview
- Advanced Adapter Engine
- File Adapter
- JDBC Adapter
- JMS Adapter
- Mail Adapter

## BIT403: Adapter Concept (HTTP, IDoc, RFC, SOAP)

**TIPO:** E- Learning

**DURACIÓN:** 360 Min

**SOLUTION:** SAP NetWeaver

**IDIOMA:** Inglés

## GOALS

- Configure various adapters with SAP NetWeaver Process Integration

## AUDIENCE

- Development Consultants responsible for configuration of SAP PI scenarios

## PREREQUISITES

### Essential

- BIT400 /TBIT40: Knowledge of SAP NetWeaver Process Integration
- BIT402: PI Adapter Concepts (Adapter Overview, Advanced Adapter Engine, File, JDBC, JMS, Mail)

## Recommended

- BIT100 SAP NetWeaver Process Integration – Overview or equivalent form of knowledge

## SOFTWARE RELEASE

- SAP NetWeaver PI 7.3

## CONTENT

- HTTP and HTTP\_AAE adapter
- IDoc and IDoc\_AAE adapter
- RFC adapter
- SOAP adapter

## TBIT44: PI - Mapping and ccBPM

**TIPO:** Curso Presencial / Distancia

**DURACIÓN:** 30 Hs.

**SOLUTION:** SAP NetWeaver

**IDIOMA:** Inglés

## GOALS

- Implement complex SAP NW PI scenarios, including enhanced mapping and ccBPM Functions

## AUDIENCE

- Business Process Architect
- Developer
- Developer Consultant
- System Administrator
- System Architect
- Technology Consultant

## PREREQUISITES

### Essential

- TBIT40 (SAP Process Integration)
- BIT402 PI - Adapter Concepts (File, JDBC, JMS, Mail)
- BIT403 PI - Adapter Concepts (Plain HTTP, IDoc, RFC, SOAP, PCK)
- Good knowledge of the configuration of the SAP Process Integration Infrastructure

### Recommended

- SAPTEC Fundamentals of SAP Web AS

- BIT100 SAP NetWeaver Process Integration - Overview
- BIT140 Introduction to XML
- Basic Java programming knowledge
- Basic Knowledge of SAP Business Workflow

## SOFTWARE RELEASE

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- SAP Process Integration PI 7.40

## CONTENT

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- **ccBPM**
  - Position of ccBPM in SAP Portfolio (incl. Overview of ccBPM)
  - Design of Integration Processes
  - Development of Integration Processes (step types)
  - Operations of Integration Processes (incl. exception handling)
  - Optimization of Integration Processes (incl. Monitoring)
  - The Principal Propagation
- **Mapping Content**
  - Overview of mapping techniques
  - Standard functions in message mapping
  - User-defined functions in message mapping
  - Complex mapping tasks using message mapping
  - Value mapping technologies in message mapping
  - Additional techniques in message mapping
  - Integrating Java, and XSLT mapping