

TBIT51

PI Technical Implementation and Operation

COURSE OUTLINE

Course Version: 10

Course Duration: 5 Day(s)

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About This Handbook

This handbook is intended to both complement the instructor-led presentation of this course and to serve as a reference for self-study.

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	<i>Example text</i>
Window title	<i>Example text</i>

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Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Development Consultant
- Support Consultant
- Technology Consultant
- Systems Architect
- Developer
- System Administrator
- Super / Key / Power User

Lesson 1: Planning SAP NetWeaver Process Integration (PI)

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the major planning steps of Process Integration (PI)

Lesson 2: Planning the System Landscape

Lesson Objectives

After completing this lesson, you will be able to:

- List use cases for standard integration scenarios
- Explain the Orchestration Package

Lesson 3: Planning the Distribution Strategy for the System Landscape Directory (SLD)

Lesson Objectives

After completing this lesson, you will be able to:

- Plan the distribution strategy for the System Landscape Directory (SLD)

Lesson 4: Explaining the Technical Architecture of SAP NetWeaver Process Integration (PI)

Lesson Objectives

After completing this lesson, you will be able to:

- Understand design and configuration components
- Monitor components

Lesson 1: Planning the Installation

Lesson Objectives

After completing this lesson, you will be able to:

- Plan and prepare the installation of SAP NetWeaver Process Integration (SAP NetWeaver PI)

Lesson 2: Preparing the Installation of the Process Integration (PI) Components

Lesson Objectives

After completing this lesson, you will be able to:

- Prepare the installation of SAP NetWeaver PI

Lesson 3: Executing the Installation

Lesson Objectives

After completing this lesson, you will be able to:

- Execute the installation

Lesson 4: Start the Post-Installation Processes by Using the Configuration Wizard

Lesson Objectives

After completing this lesson, you will be able to:

- Start the post-installation processes by using the wizard

Lesson 5: Starting the Post-Installation Processes with Focus on PI-User

Lesson Objectives

After completing this lesson, you will be able to:

- Start the post-installation processes with focus on the necessary system usersr

Lesson 6: Starting the Post-Installation Processes with Focus on AEX

Lesson Objectives

After completing this lesson, you will be able to:

- Start the post-installation processes with focus on Advanced Adapter Engine Extended (AEX)

Lesson 7: Executing Further Post-Installation Tasks

Lesson Objectives

After completing this lesson, you will be able to:

- Execute further PI tasks

Lesson 1: Processing Messages in the Pipeline of the Integration Engine

Lesson Objectives

After completing this lesson, you will be able to:

- Use the pipeline

Lesson 2: Processing Messages in the Integration Engine, Configuration

Lesson Objectives

After completing this lesson, you will be able to:

- Create specific configuration data for message processing

Lesson 3: Processing of Messages in the Integration Engine, Packaging

Lesson Objectives

After completing this lesson, you will be able to:

- Process messages in the Integration Engine

Lesson 4: Configuring the Integration Engine – Logging and Tracing

Lesson Objectives

After completing this lesson, you will be able to:

- Use logging and tracing

Lesson 5: Configuring the Integration Engine – Messages, Queues, and Events

Lesson Objectives

After completing this lesson, you will be able to:

- Configure message processing

Lesson 6: Configuring the Integration Engine – Delete and Archive Messages

Lesson Objectives

After completing this lesson, you will be able to:

- Archive and delete messages

Lesson 7: Integration Engine Monitoring

Lesson Objectives

After completing this lesson, you will be able to:

- Use Integration Engine monitoring

Lesson 1: Processing of Messages in the AAE and AEX

Lesson Objectives

After completing this lesson, you will be able to:

- Process messages in the AAE and AEX

Lesson 2: Basic Configuration of the AAE and AEX

Lesson Objectives

After completing this lesson, you will be able to:

- Execute basic configuration of the Advanced Adapter Engine (AAE) and the Advanced Adapter Engine Extended (AEX)

Lesson 3: Configuring the AAE and AEX: Security and External Access

Lesson Objectives

After completing this lesson, you will be able to:

- Configure the AAE and AEX with a focus on security
- Configure the AAE or AEX with a focus on external access

Lesson 4: Monitoring the AEX and AAE

Lesson Objectives

After completing this lesson, you will be able to:

- Use monitoring tools for the Advanced Adapter Engine (AAE) and the Advanced Adapter Engine Extended (AEX)

Lesson 1: Processing of Messages in the Advanced Adapter Engine (AEX)/Process Integration (PI) Orchestration Package

Lesson Objectives

After completing this lesson, you will be able to:

- Process messages in the Advanced Adapter Engine Extended (AEX)/Process Integration (PI) Orchestration package

Lesson 2: Configuring the Process Integration (PI) Orchestration Package for Archiving

Lesson Objectives

After completing this lesson, you will be able to:

- Archive processes and process data

Lesson 3: Monitoring and Troubleshooting the AEX/Orchestration Package

Lesson Objectives

After completing this lesson, you will be able to:

- Monitor the AEX/Orchestration Package
- Troubleshoot the AEX/Orchestration Package
- Troubleshoot the AEX/Orchestration Package

Lesson 1: Processing Messages in SOA

Lesson Objectives

After completing this lesson, you will be able to:

- Process messages in SOA

Lesson 2: Configuring Service-Oriented Architecture

Lesson Objectives

After completing this lesson, you will be able to:

- Configure settings for SOA

Lesson 3: SOA Monitoring

Lesson Objectives

After completing this lesson, you will be able to:

- Monitor service-oriented architecture

Lesson 1: Monitoring the PI Landscape

Lesson Objectives

After completing this lesson, you will be able to:

- Monitor the Process Integration (PI) landscape

Lesson 2: Monitor Process Integration (PI) in SAP Solution Manager

Lesson Objectives

After completing this lesson, you will be able to:

- Monitor Process Integration (PI) in SAP Solution Manager

Lesson 3: Using Computer Center Management System Monitoring

Lesson Objectives

After completing this lesson, you will be able to:

- Use Computing Center Management System (CCMS) alert monitoring

Lesson 4: Managing Alerts

Lesson Objectives

After completing this lesson, you will be able to:

- Manage alerts

Lesson 1: Troubleshooting Process Integration (PI)

Lesson Objectives

After completing this lesson, you will be able to:

- Identify problems in SAP NetWeaver PI

Lesson 2: Identifying Cache Errors

Lesson Objectives

After completing this lesson, you will be able to:

- Identify cache errors