

S4TM6

Technical Deep Dive for Transportation Management in SAP S/4HANA

COURSE OUTLINE

Course Version: 14
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 | <i>Example text</i> |
| Window title | <i>Example text</i> |

Contents

| | |
|-----------|--|
| vii | Course Overview |
| 1 | Unit 1: Architecture Overview |
| 1 | Lesson: Understanding the Architecture |
| 3 | Unit 2: Business Object Processing Framework (BOPF) |
| 3 | Lesson: Understanding the Business Object Processing Framework (BOPF) |
| 5 | Unit 3: Floor Plan Manager (FPM) & FPM-BOPF Integration (FBI) |
| 5 | Lesson: Understanding and Working with the Floor Plan Manager (FPM) |
| 5 | Lesson: Understanding and Working with the FPM-BOPF Integration (FBI) |
| 7 | Unit 4: Personal Object Work List (POWL) |
| 7 | Lesson: Understanding and Working with Personal Object Work List (POWL) |
| 9 | Unit 5: Business Objects Enhancements |
| 9 | Lesson: Enhancing BOPF Business Objects |
| 11 | Unit 6: UI Enhancements |
| 11 | Lesson: Enhancing FPM/FBI User Interfaces |
| 13 | Unit 7: Business Add-Ins & Implicit Enhancements |
| 13 | Lesson: Implementing Business Add-Ins (BADIs) |
| 15 | Unit 8: Process Control Framework |
| 15 | Lesson: Customizing and Using the Process Control Framework (PCF) |
| 17 | Unit 9: Conditions |
| 17 | Lesson: Setting up and Using Conditions |
| 19 | Unit 10: Post Processing Framework |
| 19 | Lesson: Configuring and using the Post Processing Framework (PPF) |

21 Unit 11: Print Forms

21 Lesson: Enhancing Print Forms

23 Unit 12: Integration

23 Lesson: Understanding the Enterprise Services in TM

23 Lesson: Understanding the Integration Scenarios in TM

23 Lesson: Enhancing Web Services

Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Application Consultant
- Development Consultant
- Technology Consultant
- Developer
- Enterprise Architect
- Help Desk/CoE Support
- Solution Architect
- System Architect

Lesson 1: Understanding the Architecture

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the SAP TM Software Component Architecture
- Describe the TM system landscape and integration options
- Define the Process Driven Solution Design
- Describe the difference between business documents and technical Business Objects
- Explain the Business Object Model of BO Transportation Request
- Describe the User Interface architecture

Lesson 1: Understanding the Business Object Processing Framework (BOPF)

Lesson Objectives

After completing this lesson, you will be able to:

- Explain and apply the concepts of BOPF
- Define the BOPF model
- Explain the BO node structure
- Explain the different BO entities

Lesson 1: Understanding and Working with the Floor Plan Manager (FPM)

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the FPM and what it is used for
- Explain the basic entities of a FPM-based UI like GUIBBs, Feeder Classes and Wire Model

Lesson 2: Understanding and Working with the FPM-BOPF Integration (FBI)

Lesson Objectives

After completing this lesson, you will be able to:

- Understand FBI and what it is used for
- Understand the basic steps how a FPM UI interacts with a BOPF application via FBI
- Explain the basic entities of an FBI view and their usage

Lesson 1: Understanding and Working with Personal Object Work List (POWL)

Lesson Objectives

After completing this lesson, you will be able to:

- Understand and work with Personal Object Work List (POWL)

Lesson 1: Enhancing BOPF Business Objects

Lesson Objectives

After completing this lesson, you will be able to:

- Explain and apply BOBF Enhancement Features
- Explain the basic steps how to enhance BOPF BOs

Lesson 1: Enhancing FPM/FBI User Interfaces

Lesson Objectives

After completing this lesson, you will be able to:

- Explain and apply FPM/FBI Enhancement Features
- Explain the basic steps how to enhance FPM/FBI UIs

Lesson 1: Implementing Business Add-Ins (BAdIs)

Lesson Objectives

After completing this lesson, you will be able to:

- Understand what BAdIs are and what they are used for
- Explain how to find BAdIs in TM for a specific purpose
- Understand how to use BAdIs to influence the TM business logic
- Explain the basic steps how to create a BAdI-Implementation
- Understand what Implicit Enhancements are and what they can be used for
- Explain the critical aspects of Implicit Enhancements
- Understand how Implicit Enhancements influence the TM business logic
- Explain the basic steps how to create an Implicit Enhancement

Lesson 1: Customizing and Using the Process Control Framework (PCF)

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the basics of Process Control Framework
- Define the components of the PCF
- Customize and use the PCF

Lesson 1: Setting up and Using Conditions

Lesson Objectives

After completing this lesson, you will be able to:

- Understand what conditions are and what they are used for
- Understand how to use a condition to influence the TM business logic
- Explain how to define a condition in SAP TM
- Explain the basic customizing settings required to define conditions in SAP TM
- Define Condition Types
- Create Data Access Definitions
- Explain the usage of BRF+ in TM Conditions

Lesson 1: Configuring and using the Post Processing Framework (PPF)

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the purpose of the Post Processing Framework
- Configure the Post Processing Framework for SAP TM

Lesson 1: Enhancing Print Forms

Lesson Objectives

After completing this lesson, you will be able to:

- Understand what Print Forms are and where to find them in SAP TM
- Explain the basic steps for Print Form Enhancements

Lesson 1: Understanding the Enterprise Services in TM

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the enterprise services that TM provides
- Enterprise Services in TM

Lesson 2: Understanding the Integration Scenarios in TM

Lesson Objectives

After completing this lesson, you will be able to:

- Understanding the integration scenarios TM provides
- Explain how to monitor messages in TM

Lesson 3: Enhancing Web Services

Lesson Objectives

After completing this lesson, you will be able to:

- Understand how to enhance a TM web service
- Enhance SD Output determination
- Enhance the inbound agent in TM