

S4TM2

Planning and Execution in SAP S/4HANA TM

COURSE OUTLINE

Course Version: 17
Course Duration:

SAP Copyrights, Trademarks and Disclaimers

© 2021 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. Please see <http://global12.sap.com/corporate-en/legal/copyright/index.epx> for additional trademark information and notices.

Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors.

National product specifications may vary.

These materials may have been machine translated and may contain grammatical errors or inaccuracies.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP SE or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP SE or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

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

Contents

vii Course Overview

1 Unit 1: Transportation Management Overview

- | | |
|---|--|
| 1 | Lesson: SAP TM Overview and Evolution |
| 1 | Lesson: Deployment Options and Migration Paths |
| 1 | Lesson: End-to-End Transportation Process |

3 Unit 2: Transportation Management Master Data

- | | |
|---|--------------------------------------|
| 3 | Lesson: Business Partners |
| 3 | Lesson: Transportation Network |
| 3 | Lesson: Transportation Resources |
| 3 | Lesson: Schedules and Default Routes |

5 Unit 3: Creation of Transportation Requirements

- | | |
|---|---|
| 5 | Lesson: Defining Transportation Relevance for Orders and Deliveries |
| 5 | Lesson: Creating Freight Units |
| 5 | Lesson: Conditions and Incompatibilities |
| 5 | Lesson: Trigger, Create, and Manage Deliveries |
| 5 | Lesson: Building Packages |
| 5 | Lesson: Understanding Change Controller |

7 Unit 4: Transportation Planning Preparation

- | | |
|---|---|
| 7 | Lesson: Transportation Planning |
| 7 | Lesson: Selection and Planning Profiles |
| 7 | Lesson: Transportation Cockpit |

9 Unit 5: Interactive Transportation Planning

- | | |
|---|---|
| 9 | Lesson: Performing Interactive Planning |
| 9 | Lesson: Practice Freight Order Scheduling |

11 Unit 6: Automatic Transportation Planning

- | | |
|----|-------------------------------------|
| 11 | Lesson: Plan with the VSR Optimizer |
| 11 | Lesson: Plan via Hubs |

13 Unit 7: Subcontracting, Load Planning, and Short-Cut-Process

- | | |
|----|---------------------------|
| 13 | Lesson: Carrier Selection |
| 13 | Lesson: Load Planning |
| 13 | Lesson: Short-Cut Process |

15 Unit 8: Transportation Execution

15	Lesson: Transportation Units and Service Orders
15	Lesson: Warehouse Integration
15	Lesson: Advance Shipping and Receiving
15	Lesson: Output Management
15	Lesson: Track & Trace
15	Lesson: Discrepancy Management

Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Systems Architect
- Application Consultant
- Industry / Business Analyst Consultant
- Super / Key / Power User
- Business Analyst
- Solution Architect
- User

Lesson 1: SAP TM Overview and Evolution

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the SAP TM evolution and timeline
- Describe the differences between basic shipping and advanced Transportation Management

Lesson 2: Deployment Options and Migration Paths

Lesson Objectives

After completing this lesson, you will be able to:

- Understand SAP TM deployment options and migration paths

Lesson 3: End-to-End Transportation Process

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the end-to-end transportation processes

Lesson 1: Business Partners

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the business partner concept and categories

Lesson 2: Transportation Network

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the transportation network

Lesson 3: Transportation Resources

Lesson Objectives

After completing this lesson, you will be able to:

- Understand resource and resource types

Lesson 4: Schedules and Default Routes

Lesson Objectives

After completing this lesson, you will be able to:

- Understand carrier schedules and routes

Lesson 1: Defining Transportation Relevance for Orders and Deliveries

Lesson Objectives

After completing this lesson, you will be able to:

- Define transportation relevance

Lesson 2: Creating Freight Units

Lesson Objectives

After completing this lesson, you will be able to:

- Explain freight units and freight unit building rule

Lesson 3: Conditions and Incompatibilities

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the concept of conditions and incompatibilities

Lesson 4: Trigger, Create, and Manage Deliveries

Lesson Objectives

After completing this lesson, you will be able to:

- Understand how to process deliveries

Lesson 5: Building Packages

Lesson Objectives

After completing this lesson, you will be able to:

- Build packages

Lesson 6: Understanding Change Controller

Lesson Objectives

After completing this lesson, you will be able to:

- Explain change controller

Lesson 1: Transportation Planning

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the transportation planning process

Lesson 2: Selection and Planning Profiles

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the selection and planning profile

Lesson 3: Transportation Cockpit

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the transportation cockpit

Lesson 1: Performing Interactive Planning

Lesson Objectives

After completing this lesson, you will be able to:

- Perform interactive planning

Lesson 2: Practice Freight Order Scheduling

Lesson Objectives

After completing this lesson, you will be able to:

- Practice freight order scheduling
- Plan drivers to freight orders

Lesson 1: Plan with the VSR Optimizer

Lesson Objectives

After completing this lesson, you will be able to:

- Understand VSR optimization
- Execute VSR optimization
- Explain the VSR optimizer result

Lesson 2: Plan via Hubs

Lesson Objectives

After completing this lesson, you will be able to:

- Configure a planning scenario with hubs
- Configure and execute transportation proposals

Lesson 1: Carrier Selection

Lesson Objectives

After completing this lesson, you will be able to:

- Define transportation allocations and business shares
- Subcontract freight orders

Lesson 2: Load Planning

Lesson Objectives

After completing this lesson, you will be able to:

- Configure the load planning process

Lesson 3: Short-Cut Process

Lesson Objectives

After completing this lesson, you will be able to:

- Understand, configure, and execute the short-cut process

Lesson 1: Transportation Units and Service Orders

Lesson Objectives

After completing this lesson, you will be able to:

- Understand transportation units
- Understand service orders

Lesson 2: Warehouse Integration

Lesson Objectives

After completing this lesson, you will be able to:

- Understand warehouse integration

Lesson 3: Advance Shipping and Receiving

Lesson Objectives

After completing this lesson, you will be able to:

- Understand Advance Shipping and Receiving

Lesson 4: Output Management

Lesson Objectives

After completing this lesson, you will be able to:

- Explore the configuration of output management

Lesson 5: Track & Trace

Lesson Objectives

After completing this lesson, you will be able to:

- Monitoring Events

Lesson 6: Discrepancy Management

Lesson Objectives

After completing this lesson, you will be able to:

- Configure discrepancy management