

IBP800

SAP IBP for Response and Supply

COURSE OUTLINE

Course Version: 2408

Course Duration:

SAP Copyrights, Trademarks and Disclaimers

© 2024 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 <https://www.sap.com/corporate/en/legal/copyright.html> 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: Overview and Positioning of SAP IBP for response and supply

- | | |
|---|---|
| 1 | Lesson: Overview of SAP IBP response and supply |
| 1 | Lesson: Overview of SAP IBP response and supply business planning processes |
| 1 | Lesson: Business Coverage and Integration Overview |

3 Unit 2: Flexible Planning Area and Order-Based Profiles

- | | |
|---|--|
| 3 | Lesson: Supply Chain Model Used for Exercises |
| 3 | Lesson: SAP IBP Order-Based Planning Basics and Profiles |
| 3 | Lesson: Versions and Scenarios |
| 3 | Lesson: Introduction to Flexible Data Model |
| 3 | Lesson: SAP7F Planning Area |
| 3 | Lesson: Setting up Flexible Data Model for OBP |
| 4 | Lesson: Working with Flexible Master Data |
| 4 | Lesson: Order-Based Settings |
| 4 | Lesson: Introduction to Application Mapping |

5 Unit 3: Real Time Integration

- | | |
|---|--|
| 5 | Lesson: Real-Time Integration |
| 5 | Lesson: Real-Time Integration Reconciliation and Deletion |
| 5 | Lesson: Real-Time Integration Extensibility of the Master Data |
| 5 | Lesson: Learnings from Other Implementations |

7 Unit 4: Supply Planning Heuristics Run

- | | |
|---|---|
| 7 | Lesson: Supply Planning Run |
| 7 | Lesson: Switchable Constraints |
| 7 | Lesson: What is the Supply Planning with Allocation Creation Run and Why Execute It? |
| 7 | Lesson: Key Capabilities |
| 7 | Lesson: What is Response Planning (Also Known As Supply Planning with Order Confirmation Run) and Why Execute it? |
| 7 | Lesson: Additional Capabilities |
| 8 | Lesson: Response Planning and Available-to-Promise (ATP) |

9 Unit 5: Deployment Planning Using Heuristics

- | | |
|---|---|
| 9 | Lesson: Describing Deployment Planning and Reasoning behind Execution |
|---|---|

11	Unit 6:	Optimizer
11		Lesson: Overview of Order-Based Supply Optimizer
11		Lesson: Order-Based Optimizer Costs
11		Lesson: Optimizer Run Details
11		Lesson: Describing an Optimized Deployment Plan
11		Lesson: Defining Fair Share in Order-Based Optimization
11		Lesson: Outlining How to Achieve Fair Share for Demands
12		Lesson: Outlining How to Achieve Fair Share for Inventory
12		Lesson: Fair Share Tiers and Fulfilment Rate Per Tier
12		Lesson: Describing Optimization Best Practices
13	Unit 7:	Special Topics
13		Lesson: Order-Based Planning Calendars
13		Lesson: Synchronized Planning – Production Planning Integration
15	Unit 8:	Appendix
15		Lesson: Case Study (Optional)
15		Lesson: Real-Time Integration Additional Considerations

Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Project Stakeholder
- Application Consultant
- User

UNIT 1

Overview and Positioning of SAP IBP for response and supply

Lesson 1: Overview of SAP IBP response and supply

Lesson Objectives

After completing this lesson, you will be able to:

- Introduce SAP IBP for response and supply

Lesson 2: Overview of SAP IBP response and supply business planning processes

Lesson Objectives

After completing this lesson, you will be able to:

- Provide an Overview of SAP IBP response and supply business planning processes

Lesson 3: Business Coverage and Integration Overview

Lesson Objectives

After completing this lesson, you will be able to:

- Outline Business Coverage and Integration Overview

Lesson 1: Supply Chain Model Used for Exercises

Lesson Objectives

After completing this lesson, you will be able to:

- Describe Supply Chain Model Used for Exercises in this course

Lesson 2: SAP IBP Order-Based Planning Basics and Profiles

Lesson Objectives

After completing this lesson, you will be able to:

- Describe various profiles in SAP IBP OBP

Lesson 3: Versions and Scenarios

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the difference between Order-Based Planning Version and Scenario and Time-Series Based Planning

Lesson 4: Introduction to Flexible Data Model

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the Flexible Data Model

Lesson 5: SAP7F Planning Area

Lesson Objectives

After completing this lesson, you will be able to:

- Understanding the basics of SAP7F Planning Area

Lesson 6: Setting up Flexible Data Model for OBP

Lesson Objectives

After completing this lesson, you will be able to:

- Understand how to work with Flexible Master Data

Lesson 7: Working with Flexible Master Data

Lesson Objectives

After completing this lesson, you will be able to:

- Understand how to setup Data Model for OBP Planning with Flexible Master Data

Lesson 8: Order-Based Settings

Lesson Objectives

After completing this lesson, you will be able to:

- Explain Order-Based Settings

Lesson 9: Introduction to Application Mapping

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the Concept of Application Mapping

Lesson 1: Real-Time Integration

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the option for real-time integration between SAP ERP, SAP S/4HANA on-premise, and SAP IBP for master and transactional data
- Explain the transfer of data with real-time integration and monitoring
- Understand the prerequisites for the usage of real-time integration
- Explain the multiple external systems and multiple planning areas

Lesson 2: Real-Time Integration Reconciliation and Deletion

Lesson Objectives

After completing this lesson, you will be able to:

- Explain comparison and reconciliation
- Explain configuration of queue monitoring
- Understand the deletion job for transactional data

Lesson 3: Real-Time Integration Extensibility of the Master Data

Lesson Objectives

After completing this lesson, you will be able to:

- Learn how to Extend Master Data

Lesson 4: Learnings from Other Implementations

Lesson Objectives

After completing this lesson, you will be able to:

- Explain Learnings from Other Implementations

Lesson 1: Supply Planning Run

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the details of Supply Planning Run

Lesson 2: Switchable Constraints

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the constraints that can be considered during SAP IBP OBP Planning Runs

Lesson 3: What is the Supply Planning with Allocation Creation Run and Why Execute It?

Lesson Objectives

After completing this lesson, you will be able to:

- Describe features of the Supply Planning with Allocation Run

Lesson 4: Key Capabilities

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the key features of the Supply Planning with Allocation Creation run

Lesson 5: What is Response Planning (Also Known As Supply Planning with Order Confirmation Run) and Why Execute it?

Lesson Objectives

After completing this lesson, you will be able to:

- Understand where Response Planning fits in the entire process

Lesson 6: Additional Capabilities

Lesson Objectives

After completing this lesson, you will be able to:

- Describe Additional Capabilities of Response Planning

Lesson 7: Response Planning and Available-to-Promise (ATP)

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the interaction between SAP IBP Order-Based Planning and Available-to-Promise (ATP)

UNIT 5

Deployment Planning Using Heuristics

Lesson 1: Describing Deployment Planning and Reasoning behind Execution

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the Deployment Run

Lesson 1: Overview of Order-Based Supply Optimizer

Lesson Objectives

After completing this lesson, you will be able to:

- Get an overview of Order-Based Optimizer

Lesson 2: Order-Based Optimizer Costs

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the Costs used in Order-Based Optimizer

Lesson 3: Optimizer Run Details

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the Optimizer Run Details

Lesson 4: Describing an Optimized Deployment Plan

Lesson Objectives

After completing this lesson, you will be able to:

- Describe features of an optimized deployment plan

Lesson 5: Defining Fair Share in Order-Based Optimization

Lesson Objectives

After completing this lesson, you will be able to:

- Describe features and capabilities of Fair Share in Order-Based Optimization

Lesson 6: Outlining How to Achieve Fair Share for Demands

Lesson Objectives

After completing this lesson, you will be able to:

- Outline how Fair Share of Demand can be achieved

Lesson 7: Outlining How to Achieve Fair Share for Inventory

Lesson Objectives

After completing this lesson, you will be able to:

- Outline how fair share for inventory can be achieved

Lesson 8: Fair Share Tiers and Fulfilment Rate Per Tier

Lesson Objectives

After completing this lesson, you will be able to:

- Describe Fair Share Tiers and Fulfilment Rate Per Tier

Lesson 9: Describing Optimization Best Practices

Lesson Objectives

After completing this lesson, you will be able to:

- Describe Optimization Best Practices

Lesson 1: Order-Based Planning Calendars

Lesson Objectives

After completing this lesson, you will be able to:

- Describe Calendars in Order-based planning

Lesson 2: Synchronized Planning – Production Planning Integration

Lesson Objectives

After completing this lesson, you will be able to:

- Provide an Overview of Integration to Production Planning

Lesson 1: Case Study (Optional)

Lesson Objectives

After completing this lesson, you will be able to:

- Explain how SAP IBP is used to address Supply Chain Issues faced by a customer over the entire planning horizon.

Lesson 2: Real-Time Integration Additional Considerations

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the Additional Considerations for Real-Time Integration