

# IBP800

## SAP IBP for Response and Supply

### COURSE OUTLINE

Course Version: 2505

Course Duration:



# SAP Copyrights, Trademarks and Disclaimers

© 2025 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: Instructor note for SAP IBP response and supply
- 1 Lesson: Evaluating of SAP IBP for response and supply - order-based planning
- 1 Lesson: Analyzing SAP IBP response and supply business planning processes in order-based planning
- 1 Lesson: Exploring Business Coverage and Integration Overview of SAP IBP for response and supply - order-based planning

### 3 Unit 2: Flexible Planning Area

- 3 Lesson: Introduction to Flexible Data Model
- 3 Lesson: Setting up Flexible Data Model for OBP
- 3 Lesson: Order-Based Planning Calendars
- 3 Lesson: Supply Chain Model Used for Exercises

### 5 Unit 3: Order-Based Settings and Application Mapping

- 5 Lesson: Synchronization of Master Data
- 5 Lesson: Introduction to Application Mapping
- 5 Lesson: Order-Based Settings
- 5 Lesson: SAP IBP Order-Based Planning Basics and Profiles
- 5 Lesson: Versions and Scenarios

### 7 Unit 4: Supply Planning

- 7 Lesson: Supply Planning Run
- 7 Lesson: Details of the Planning Run Profile
- 7 Lesson: Key Capabilities
- 7 Lesson: Use Case 1: Allocation Creation
- 7 Lesson: Use Case 2: Order Confirmation based on Availability and Allocation Planning
- 7 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: Overview of other OBP Processes

- 11 Lesson: Synchronized Planning – Production Planning Integration

<b>13</b>	<b>Unit 7:</b>	<b>Optimizer</b>
13		Lesson: Overview of Order-Based Supply Optimizer
13		Lesson: Order-Based Optimizer Costs
13		Lesson: Optimizer Run Details
13		Lesson: Describing an Optimized Deployment Plan
13		Lesson: Defining Fair Share in Order-Based Optimization
13		Lesson: Describing Optimization Best Practices
<b>15</b>	<b>Unit 8:</b>	<b>Real Time Integration</b>
15		Lesson: Real-Time Integration
15		Lesson: Real-Time Integration Reconciliation and Deletion
15		Lesson: Real-Time Integration Extensibility of the Master Data
15		Lesson: Learnings from Other Implementations
<b>17</b>	<b>Unit 9:</b>	<b>Appendix</b>
17		Lesson: Case Study (Optional)
17		Lesson: Customers using Smart Data Integration
17		Lesson: Outlining How to Achieve Fair Share for Demands
17		Lesson: Outlining How to Achieve Fair Share for Inventory
17		Lesson: Fair Share Tiers and Fulfilment Rate Per Tier

# 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: Instructor note for 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: Evaluating of SAP IBP for response and supply - order-based planning

### Lesson Objectives

After completing this lesson, you will be able to:

- Examine the key components and functionalities of SAP IBP for response and supply, and explain how they contribute to optimizing order-based planning processes.

## Lesson 3: Analyzing SAP IBP response and supply business planning processes in order-based planning

### Lesson Objectives

After completing this lesson, you will be able to:

- Assess how SAP IBP's response and supply business planning processes enhance overall order-based planning efficiency and effectiveness.

## Lesson 4: Exploring Business Coverage and Integration Overview of SAP IBP for response and supply - order-based planning

### Lesson Objectives

After completing this lesson, you will be able to:

- Appraise the scope and integration capabilities of SAP IBP's response and supply business planning processes within the organization's overall supply chain strategy.



## Lesson 1: Introduction to Flexible Data Model

### Lesson Objectives

After completing this lesson, you will be able to:

- Understand the Flexible Data Model
- Understanding the basics of SAP7F Planning Area

## Lesson 2: 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 3: Order-Based Planning Calendars

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe Calendars in Order-based planning

## Lesson 4: 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 1: Synchronization of Master Data

### Lesson Objectives

After completing this lesson, you will be able to:

- Understand the Synchronization of Master Data

## Lesson 2: Introduction to Application Mapping

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the Concept of Application Mapping
- Business Meaning

## Lesson 3: Order-Based Settings

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain Order-Based Settings

## Lesson 4: 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 5: 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 1: Supply Planning Run

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the details of Supply Planning Run

## Lesson 2: Details of the Planning Run Profile

### 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: 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 4: Use Case 1: Allocation Creation

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe features of the Supply Planning with Allocation Run

## Lesson 5: Use Case 2: Order Confirmation based on Availability and Allocation Planning

### Lesson Objectives

After completing this lesson, you will be able to:

- Understand where Response Planning fits in the entire process

## Lesson 6: 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



## UNIT 6

# Overview of other OBP Processes

### Lesson 1: 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: 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: Describing Optimization Best Practices

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe Optimization Best Practices

## 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: 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: Customers using Smart Data Integration

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain the Additional Considerations for Real-Time Integration

## Lesson 3: 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 4: 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 5: 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