

# SAP IBP for Inventory

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**Course Number: IBP400**

**Duration: 5 days**

## Overview

### Course Description

In this course you will gain a solid understanding of the SAP IBP Inventory Optimization component, and its associated business processes. This course aims to clarify where and when SAP IBP for inventory should be considered and which major features are provided in this area. Instructor-led training is supplemented with hands-on exercises.

- Do not attempt this course until you have completed the essential prerequisites identified below. This is a very advanced course and detailed SAP IBP configuration expertise is mandatory.

### Skills Gained

This course will prepare you to:

- Outline the features of SAP IBP for inventory
- Explain how SAP IBP Inventory Optimization fits into the S&OP business processes.
- Setup single- and multi-stage inventory logic
- Identify and use the required attributes and key figures, and master data

- Use multi-level BOM Planning
- Actively engage in SAP IBP implementation projects

## **Who Can Benefit**

- Application Consultant
- Business Process Owner / Team Lead / Power User
- Solution Architect

## **Prerequisites**

Essential:

- IBP100 SAP IBP for Supply Chain, Overview
- IBP200 SAP IBP Platform Features and Time Series Based Heuristics Planning
- IBP300 SAP IBP Advanced Configuration

## **Audience**

## **Course Details**

### **Introduction to Inventory Planning and Optimization with SAP IBP for inventory**

- Understanding Inventory Planning
- Understanding Inventory Optimization
- Discovering Added value to your Integrated Business Planning through Inventory Optimization
- Understanding Key Differentiators of SAP IBP for inventory
- Implementing SAP IBP for inventory within SAP IBP for Supply Chain
- Utilizing Inventory Planning and Optimization

### **SAP IBP for Inventory: Configuring and Preparing for Use**

- Describing the Business Planning Scenario
- Options for Handling Uncertainty
- Examining Attributes and Master Data Types
- Analyzing Planning Levels and Key Figures
- Planning Details
- Inventory Profiles

### **Creating an Inventory Optimization Process**

- Positioning SAP IBP for Inventory in a S&OP Process
- Running an ABC/XYZ-Segmentation and a Time-Series Analysis

- Forecast Error Calculation
- Role of an Inventory Planner as key player within the Sales and Operations Process

## **The Power of Multi-echelon**

- Introduction to an overarching SAP IBP optimizer methodology
- Normal vs. Gamma distribution
- Demand Propagation
- Exposure demand, supply variability and service variability calculations
- Multi-stage application via an example
- Other drivers of safety stock: service level, periods between replenishment, lot size, delivery type and promotions

## **Validating inputs**

- Holistic Approach
- Input review and initial variables

## **Running an Inventory Optimization Operator**

- Special attributes
- Global (multi-stage) inventory optimization
- Calculate Target Inventory Components
- Decomposed (Single-stage) Inventory Optimization
- Diagnosing system issues

## **Analyzing the Results of an inventory optimization run**

- Inventory Plan Review
- Supply Chain Network App
- Inventory Analysis App
- AI-Assisted Inventory Analysis
- Applications Jobs App
- Planning Results
- Scenario Planning

## **Finalizing the Inventory Plan**

- Network capital analysis and scenario management
- Finalizing the inventory Plan