Course Outline

Variant Configuration I: Model Integration

Course Summary

Objectives

At the end of this course, students will be able to:

- Model a configurable product.
- Maintain all the related objects and master data.
- Integrate variant configuration into processes in the supply chain.

Topics

- Classification system tools: Overview and features of variant configuration
- Material masters, bills of material, and task lists: Features of variant configuration
- Configuration profiles and configuration scenarios
- Overview of object dependency types and usages: preconditions; selection conditions; actions; procedures; constraints
- Using object dependencies in BOMs and routings
- Product Modeling Environment for Variant Configuration (PMEVC)
- Using object dependencies for valuation
- Overview of constraints
- Price determination and variant configuration
- Material variants (configured materials): Configurable material in sales and distribution (incl. Lean Orders), planning, production, engineering, and order change management
- Overview of modeling data for the IPC
- Variant Configuration in the PLM WEB UI

Audience

Those who can benefit from this Variant Configuration I: Model Integration course include:

- Project members and other employees responsible for setting up, maintaining, and processing configurable products.

Prerequisites

Essential:

- Classification
- Knowledge of processes in sales & distribution, planning, and production

Recommended:

- SAP PLM Solution Overview
- SAP SCM Solution Overview
- Life-Cycle Data Management
- Basic Data for Discrete Manufacturing
- Production Planning Part
- Production Orders (SFC)
- Pricing in SD

Duration

Five days

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II. *Material masters, bills of material, and task lists: Features of variant configuration*

III. *Configuration profiles and configuration scenarios*

IV. *Overview of object dependency types and usages: preconditions; selection conditions; actions; procedures; constraints*

V. *Using object dependencies in BOMs and routings*

VI. *Product Modeling Environment for Variant Configuration (PMEVC)*

VII. *Using object dependencies for valuation*

VIII. *Overview of constraints*

IX. *Price determination and variant configuration*

X. *Material variants (configured materials): Configurable material in sales and distribution (incl. Lean Orders), planning, production, engineering, and order change management*

XI. *Overview of modeling data for the IPC*

XII. *Variant Configuration in the PLM WEB UI*