

## Training for Applications with R&D Engineering in SAP S/4HANA

### Courses Listed

#### Beginner

- S4H00 - SAP S/4HANA Overview
- S4H01 - SAP Business Suite to SAP S/4HANA Delta - Overview

#### Intermediate

- S4100 - Product Development in SAP S/4HANA Enterprise Management
- S4103 - Engineering Change Management in SAP S/4HANA
- S4104 - Classification with SAP S/4HANA Enterprise Management
- S4210 - Basic Data for Manufacturing and Product Management

#### Advanced

- S4102 - Document Management in SAP S/4HANA
- S4105 - Variant Configuration (with AVC) in SAP S/4HANA
- S4106 - Variant Configuration: Integration and Configuration

All available schedules in your selection

## S4104 Classification with SAP S/4HANA Enterprise Management

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

## S4102 Document Management in SAP S/4HANA

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

## S4105 Variant Configuration (with AVC) in SAP S/4HANA

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

## S4103 Engineering Change Management in SAP S/4HANA

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

## S4100 Product Development in SAP S/4HANA Enterprise Management

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

## S4106 Variant Configuration: Integration and Configuration

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

## S4210 Basic Data for Manufacturing and Product Management

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

## S4H01 SAP Business Suite to SAP S/4HANA Delta - Overview

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

## S4H00 SAP S/4HANA Overview

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

## S4104 - Classification with SAP S/4HANA Enterprise Management

### Course announcements

- This course will prepare you to configure, maintain and use the system to classify objects

- Object dependencies in classification
- Customizing, including maintaining class types and classifiable object types
- Applications of classification

### Goals

- This course will prepare you to:
- configure, maintain and use the system to classify objects

### Audience

- Application Consultant
- Business Analyst
- Business Process Architect
- Business Process Owner / Team Lead / Power User
- Program/Project Manager
- Solution Architect
- Technology Consultant

### Essential

- S4100 (Product Development with SAP S/4HANA Enterprise Management)
- Basic knowledge of material master data maintenance

### Course based on software release

- SAP S/4HANA 2022

### Content

- Characteristics maintenance
- Class maintenance
- Object classification
- Options for using the classification system to find objects
- Classification with classical UI and new classification App
- Class hierarchies and characteristic inheritance

## S4102 - Document Management in SAP S/4HANA

### Course announcements

- Making an accurate product development you often have to store files inside your SAP System and connect them to different SAP objects. These files can have several sources. Some of them are CAD documents, or office documents, or video or audio files. With SAP Document Management System, you are able to work with document info records. These records store the files inside SAP secure areas and link them to other SAP Objects.

- Store files in secure storage areas
- Use Engineering Change Management
- Work with Workstation applications
- Do relevant customizing
- Work with authorization control
- Work with Engineering Control Center
- Perform a document distribution

### Goals

- This course will prepare you to:
- Implement Document Management using SAP S/4HANA Enterprise Management. One focus is the definition of customizing settings.

### Audience

- Application Consultant
- Business Process Architect
- Business Process Owner / Team Lead / Power User
- Design/Product Engineers
- Program/Project Manager
- Solution Architect

### Essential

- S4100 (Product Development with S/4 HANA Enterprise Management)

### Course based on software release

- SAP S/4HANA 2022

### Content

- Maintain a document info record
- Define object links to other SAP objects
- Use a status network

## S4105 - Variant Configuration (with AVC) in SAP S/4HANA

### Course announcements

- This course enables you to use Variant Configuration under SAP S/4 HANA. The focus is on Advanced Variant Configuration. Content is the entire modeling and the use in logistical processes.

### Goals

- This course will prepare you to:
- Model a configurable product
- Maintain all the related objects and master data
- Integrate variant configuration into processes in the supply chain

### Audience

- Application Consultant
- Business Analyst
- Business Process Architect
- Business Process Owner / Team Lead / Power User
- Program/Project Manager
- Solution Architect
- Technology Consultant

### Essential

- S4104 – Classification in SAP S/4HANA, or
- PLM130 – Classification in SAP ERP

### Course based on software release

- SAP S/4HANA 2022

### Content

- Overview and features of variant configuration - Classification system tools
- Features of variant configuration - Material masters, bills of material and task lists

- 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, in planning, in production, in engineering and order change management
- Overview product structure and variant configuration
- Transfer LO-VC-models to AVC-models
- Overview of modeling data and transfer for other configurators (knowledge base)
- Overview engineering and order change management (ECM and OCM) and variant configuration
- Advanced Variant Configuration (AVC) and Classic Variant Configuration (LO-VC)

## S4103 - Engineering Change Management in SAP S/4HANA

### Goals

- This course will prepare you to:
- Implement Engineering Change Management in your SAP S/4HANA Enterprise Management.

### Audience

- Application Consultant
- Business Process Architect
- Business Process Owner / Team Lead / Power User
- Design/Product Engineers
- Program/Project Manager
- Solution Architect

### Essential

- S4100 (Product Development in SAP S/4 HANA Enterprise Management)

### Course based on software release

- SAP S/4HANA 2022

### Content

- Overview Engineering Change Management
- Change Master
- Object changes: material, material BOM, Document, Routing, objects of Classification and Variant Configuration
- Evaluations
- Change Record
- Change Hierarchy, Release Key, Parameter Effectivity
- Order Change Management
- Product Data Replication



## S4100 - Product Development in SAP S/4HANA Enterprise Management

### Goals

- This course will prepare you to:
- Implement product development for R&D/Engineering using SAP S/4HANA Enterprise Management.
- Set the foundation for advanced R&D/Engineering training

### Audience

- Application Consultant
- Business Process Architect
- Business Process Owner / Team Lead / Power User
- Design/Product Engineers
- Program/Project Manager
- Solution Architect

### Essential

- None

### Course based on software release

- SAP S/4HANA 2022

### Content

- Introduction to SAP S/4 HANA
- User Experience: FIORI, SAP GUI
- Process Overview
- Engineering: Concept Phase
- Engineering Control Center
- Document Management
- Product Lifecycle Costing

- Engineering: Design Phase
- CAD Integration with ECTR
- Material and Material BOM
- Engineering Change Management
- Validation: Handover to Manufacturing
- Product Master
- Material BOM and Evaluation
- Classification
- Product Structure Browser
- Variant Configuration
- Product Structure Management
- Manufacturing
- Work Centers and Routings
- Engineering Workbench
- Change Record
- Guided Structure Synchronization
- Master Data Distribution

### Notes

- This training is necessary for all customers who want to get insight into product development with SAP S/4HANA.

## S4106 - Variant Configuration: Integration and Configuration

### Course announcements

- The course enables you to: Use the configuration scenarios in the modeling of configurable products in detail, Use additions to the configuration profile, object dependencies, planning, product data distribution, and evaluations, Use advanced integration aspects of variant configuration

### Goals

- This course will prepare you to:
- use the configuration scenarios in the modeling of configurable products in detail
- use additions to the configuration profile, object dependencies, planning, product data distribution, and evaluations
- use advanced integration aspects of variant configuration

### Audience

- Application Consultant
- Business Analyst
- Business Process Architect
- Business Process Owner / Team Lead / Power User
- Program/Project Manager
- Solution Architect
- Technology Consultant

### Essential

- S4105 (Variant Configuration in SAP S/4HANA Enterprise Management)
- Knowledge of processes in sales & distribution, planning, and production

### Course based on software release

- SAP S/4HANA 2022

### Content

- Basics of Variant Configuration Related to S4105
- Configuration scenarios in detail:
  - Scenario planned/production order without BOM explosion
  - Scenario planned/production order with BOM explosion
  - Scenario sales order (SET processing)
  - Scenario order BOMs (the ETO process)
- More details about the configuration profile
- Variant tables
- Classification system tools in variant configuration
- More about reference characteristics
- Planning and variant configuration
- Advanced integration capabilities of variant configuration:
  - Variant configuration and quality management
  - Variant configuration and maintenance service
  - Variant configuration in purchasing (materials and services)
  - Variant Configuration and Project System
  - Reporting, configuration storage, product data distribution
  - New syntax and functionalities under AVC

## S4210 - Basic Data for Manufacturing and Product Management

### Course announcements

- This course will provide you with instruction on creating materials, bills of material, work centers and routings using SAP S/4HANA.

### Goals

- This course will prepare you to:
- Understand materials, bills of material, work centers and routings in the scenario of manufacturing and product management

### Audience

- Application Consultant
- Business Process Architect
- Business Process Owner / Team Lead / Power User
- Program/Project Manager
- Solution Architect
- Technology Consultant

### Essential

- S4200 - Business Processes in SAP S/4HANA Manufacturing

### Course based on software release

- SAP S/4HANA OP 2022 FPS0

### Content

- Material
- Work with materials
- Assign documents and classify materials
- Manage materials
- Work with product master

- Bills of Material (BOMs)
- Work with material BOMs
- Mass changes and browser
- Analyze BOMs
- Work Centers
- Work with work centers
- Create capacities for a work center
- Task Lists
- Explain the structure of a task list
- Create material assignments and component allocations
- Create sub-operations and user-defined fields
- Create product versions
- Create production resources and tools
- Analyze and change task lists
- Work with the Engineering Workbench
- Advanced Bill of Material Functions
- Describe phantom assemblies
- Create Co- Products and alternative components
- Create multiple and variant BOMs
- Change BOMs with change numbers

- Advanced Routing Functions
- Model sequences and alternative manufacturing processes
- Creating reference operation sets
- Apply lead-time Scheduling and update a material
- Schedule time elements and reduction
- Change Routings with change numbers

## S4H01 - SAP Business Suite to SAP S/4HANA Delta - Overview

### Course announcements

- This course provides knowledge relevant for learners who are familiar with the SAP Business Suite/SAP ERP and want to up-skill to SAP S/4HANA. It is the recommended entry point to the SAP S/4HANA curriculum to understand the basics that are required to know before continuing the learning path to specific areas of interest. This course covers a broad range of topics including the motivation for the development of SAP S/4HANA, the new user experience, embedded analytics, underlying SAP HANA technology, and business solution coverage.

### Goals

- This course will prepare you to:
- Explain the need for a new business suite
- Describe the evolution of SAP S/4HANA and it's key aspects
- Describe the next generation user experience
- Describe SAP HANA key technologies and capabilities
- Describe the key business processes of SAP S/4HANA Enterprise Management
- Explain SAP S/4HANA embedded analytics capabilities
- Explain the need for a new business suite
- Describe the evolution of SAP S/4HANA and it's key aspects
- Describe the next generation user experience
- Describe SAP HANA key technologies and capabilities
- Describe the key business processes of SAP S/4HANA Enterprise Management
- Explain SAP S/4HANA embedded analytics capabilities

### Audience

- Application Consultant

- Business Process Owner / Team Lead / Power User
- Enterprise Architect
- Help Desk/CoE Support
- Program/Project Manager
- Solution Architect
- Technology Consultant
- Trainer
- User

### Essential

- Basic business application background
- Basic business IT knowledge
- Basic SAP Business Suite/ERP knowledge

### Course based on software release

- SAP S/4HANA 2022

### Content

- SAP S/4HANA Introduction
- Key Features
- User Experience
- SAP HANA
- The Digital Core
- Embedded Analytics
- SAP S/4HANA Introduction
- Key Features
- User Experience

- SAP HANA
- The Digital Core
- Embedded Analytics

## Notes

- This course is the recommended entry point to the SAP S/4HANA curriculum for SAP Business Suite professionals/learners with SAP Business Suite/ERP background. For learners without previous SAP experience, the S4H00 "SAP S/4HANA Overview" course is recommended.

## S4H00 - SAP S/4HANA Overview

### Course announcements

- This course provides an overview of SAP S/4HANA for learners who do not yet have any SAP background knowledge and want to build SAP S/4HANA skills. The course is recommended as an entry point to the SAP S/4HANA curriculum and provides the basics required before continuing a learning path to specific areas of interest. This course covers a broad range of topics focusing on SAP S/4HANA solution capabilities and business process aspects. The content is also available in a self-paced e- learning format (S4H00e) which requires an active subscription to the SAP Learning Hub.

### Goals

- This course will prepare you to:
- Explain how SAP S/4HANA supports the digital transformation
- Navigate in SAP S/4HANA using SAP Fiori UX and other client technologies
- Describe system-wide concepts such as organizational elements or master data
- Describe key business processes of SAP S/4HANA Enterprise Management and SAP S/4HANA LoB solutions
- Describe integration scenarios between SAP S/4HANA and SAP Cloud Solutions
- Use SAP S/4HANA embedded analytics capabilities
- Gain basic knowledge about SAP Activate to accelerate the SAP S/4HANA adoption

### Audience

- Application Consultant
- Business Process Owner / Team Lead / Power User
- Change Manager
- Enterprise Architect
- Program/Project Manager

- Solution Architect
- Trainer
- User

### Essential

- n/a

### Course based on software release

- SAP S/4HANA 2022

### Content

- SAP S/4HANA Overview
- Navigation
- System-Wide Concepts
- Logistics
- Accounting
- Human Capital Management and SAP SuccessFactors
- Embedded analytics
- SAP Activate and Best Practices
- SAP Services

### Notes

- This course is the recommended entry point to the SAP S/4HANA curriculum for learners without an SAP ERP background knowledge. It focuses on SAP S /4HANA Cloud, private edition and on-premise deployments.

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