HANA - SD

SALES & DISTRIBUTION (ERP SD)

ERP SD - handles sales activities and distribution, also called shipping. The main activities are the sales order handling, and the distribution of shipments to customers. Also the billing process, customer invoice, is handled from the SD module. This course will give you a good and broad overview of ERP SD sales and distribution. You will learn to perform the most important tasks in ERP sales. Here you will also learn about SD standard reports in the SIS sales information system. The course focuses on tasks most frequently used in ERP SD. The course is divided into these sections:

Introduction And Master Data

- Introduction to SAP.
- The SAP GUI
- Customizing Tools.
- Enterprise Structure
- SAP Customizing Implementation Guide.

Master Data Configuration

- Preparation Of Customer Master Data.
- Preparation of Material Master Data.

Sales Documents

- Overview of Sales Document
- Sales Document Types
- Item Categories
- Schedule Line Categories
- Copy Control
- Special Sales Document Type

Special Sales Process

- Quantity Contract
- Value Contract
- Scheduling Agreement
- Consignment Stock Process
- Sales Incompletion Procedures

Available to Promise And Transfer of Requirements

- Material Determination
- Material Listing And Exclusion
- Availability Check

Logistics Executions Process

- Delivery Process
- Delivery Blocks
- Picking

- Packing
- Returnable Packing
- Post Goods Issue in Delivery
- Stock Transfer Order

Billing

- Billing Process
- Special Billing Document Types
- Billing Plans
- Rebate Agreements

Pricing
- The Condition Technique
- The Condition Table
- The Condition Type
- The Access Sequence
- Price Determination
- Condition Record
- Account Assignment

Special Function

- Free Goods
- Item Proposal

Other Topic

- Text Determination
- Output Determination
- Partner Determination
- Taxation

- **Sales & Distribution User Exits**
- **SAP Query**

SAP HANA 2.0 SPS03 – Installation and Administration

- This course is the best starting point to learn about SAP HANA installation, update, configuration and system administration.
- The course is independent from the SAP Net Weaver administration world, as it teaches how to perform system administration on the SAP HANA platform. The system administration tools used are native to the SAP HANA platform.
- Throughout the course, you will learn about the following SAP HANA too for installation, update, configuration and system administration.
    - SAP HANA database lifecycle manager (HDBLCM)
    - SAP HANA cockpit 2.0

- o SAP HANA studio
- o SAP HANA HDBSQL command line
- At the end, you will be able to perform all the required daily system administration tasks on the SAP HANA database platform.
- Contents:
  - o SAP HANA introduction
  - o Installation sizing and OS preparations
  - o SAP HANA installation and upgrade/conversion to a multitenant database
  - o SAP HANA architecture and deployment options
  - o SAP HANA cockpit 2.0 installation, configuration and upgrade
  - o SAP HANA Administration tools
  - o Post installation steps
  - o Database administration tasks using SAP HANA cockpit 2.0
  - o Backup and recovery using SAP HANA cockpit 2.0
  - o SAP HANA Security
  - o User and authorizations

SAP HANA 2.0 SPS03 – High Availability and Disaster Tolerance Administration

- This course is the best starting point to learn about SAP HANA high availability, disaster tolerance and multitenant capabilities in larger SAP HANA landscapes.
- The course is independent from the SAP NetWeaver administration world, as it teaches how to perform system administration on the SAP HANA platform. The system administration tools used are native to the SAP HANA platform.
- Throughout the course, you will learn about the following advanced SAP HANA administration topics.
  - o SAP HANA scale-out and host auto failover.
  - o SAP HANA multitenant features
  - o SAP HANA system replication between datacenters
  - o SAP HANA python scripts provided by SAP
- At the end, you will be able to perform all the required advanced syst administration tasks on the SAP HANA database platform.
- Contents:
  - o SAP HANA High Availability and Disaster Tolerance
  - o SAP HANA multi host scale-out and host auto failover
  - o SAP HANA storage and system replication
  - o SAP HANA system replication options
  - o SAP HANA multitenant features
  - o SAP HANA python scripts provided by SAP

SAP HANA 2.0 SPS03 – Using Monitoring and Performance Tools

- This course is the best starting point to learn about the SAP HANA Monitoring and Performance Tools.
- Contents:

- Emergency Analysis and Troubleshooting using SAP HANA cockpit 2.0
  - Handling System Offline Situations
  - Handling System Hanging but Reachable Situations
  - Analyzing a Suddenly Slow System
- Structural System Performance Root Cause Analysis
  - Analyzing Memory Issues
  - Analyzing CPU Issues
  - Analyzing Expensive Statements Issues
  - Analyzing Disk and I/O Issues
- Proactive Monitoring and Performance Safeguarding
  - Configuring SAP HANA Alerting Framework
  - Setting up SAP HANA Workload Management
  - Using SAP HANA Capture and Replay

SAP HANA 2.0 SPS03 – Authorizations, Scenarios & Security Requirements

- The aim of this course is to prepare the student to work on authorizations and security on the SAP HANA Platform. The course initially covers system level security including Network and Communication security and Data Storage encryption, then it focuses on user management, authentication, authorizations, and auditing. Specific exercises are proposed, about LDAP Group authorization, User Groups, Data Masking, Authorization trace.
- Some basic concepts of application development on the XS Advanced are introduced since they are required to properly work on authorization roles.
- Table of contents:
  - SAP HANA Overview
  - Network and Communication Security
  - Certificate Management
  - Data Storage Security
  - Object Ownership
  - User Management
  - Authentication and Single Sign-On
  - Elements of application development in XS Advanced
  - Elements of application development in XS Classic (optiona
  - Authorizations
  - Analyzing Users and Authorizations
  - Auditing
  - Security for SAP HANA Extended Application Services, class model (XSC, optional)
  - Security for SAP HANA Extended Application Services, advan model (XSA)
  - SAP BW Models in SAP HANA
  - Integration with SAP Business Objects BI 4.X (optional)
  - SAP HANA with ERP or S/4HANA and the Analytics Authorizati Assistant (optional)
  - Integration with SAP GRC (optional)
  - Integration with SAP Identity Management (optional)

- Note: content, which is marked as "optional", refer to secondary Lesso and Exercises and won't be covered in this 2 days classroom course (due to lack of time, they mostly cover security on the deprecated XS Classic architecture, plus some overview lessons on related subjects). Nevertheless, we left such contents in the training material, since they could be of interest for a subsequent review by the student.

SAP HANA 2.0 SPS02 – Database Migration

- Getting Familiar with Database Migration Option (DMO)
  - o Listing DMO Benefits
  - o Explaining DMO Basics
- Preparing Database Migration Option (DMO) Procedure
  - o Ensuring DMO Prerequisites are Fulfilled on the Host
  - o Configuring SAP Host Agent for DMO
  - o Examining the SUM UI
- Configuration of Database Migration Option (DMO) Procedure
  - o Starting the DMO Run
  - o Continuing DMO with Roadmap Steps Configuration and Checks
  - o Continuing DMO with Roadmap Steps Preprocessing
  - o Listing DMO Procedure Steps
  - o Monitoring the Migration
  - o Resetting the DMO Procedure
  - o Tuning the DMO Downtime
  - o Listing the DMO Steps After Roadmap Step Preprocessing
  - o Explaining the DMO Release Schedule
- Listing Migration Options to SAP HANA