

HANA -SCM
Supply Network Planning
(Module1)

Course overview

- Course goals
- Course Objective

Unit 1: SUPPLY NETWORK PLANNING: AN OVERVIEW

- Supply chain modeling
- Supply chain planning

Unit 2: MASTER DATA AND TRANSACTION DATA IN SNP

- Working with master data
- APO Product master
- APO Resource master
- Introducing the production process model
- Introducing Quota Arrangements
- Transactional Data used in Supply Network Planning

Unit 3: SNP Configuration

- Planning Areas
- Planning Books
- Macros & Alerts
- Navigation in the Planning Table

Unit 4: The Supply Network Planning Heuristic

- SNP Heuristic Run
- Capacity Check and Leveling
- Planning Supplier constraints using the SNP Heuristic
- SNP Heuristic Scheduling
- Hierarchical Planning

Unit 5: SNP Run using capable to match

- CTM Process
- Descriptive Characteristic in CTM
- Alternative PPM;s in CTM
- Finite Supplier Planning in CTM
- Relaxing Constraints to find a solution
- CTM integration with GATP

Unit 6: Optimization in supply Network Planning

- Optimizer Costs
- Profiles used by the Optimizer
- Parameters of the Optimization Run
- Comparing SNP Planning Methods

Unit 7: Interchangeability

- Interchangeability

Unit 8: Safety Stock Planning

- Safety Stock Planning in SNP

Unit 9: Deployment and the Transport Load Builder

- Basics of Deployment
- Transport Load Builder

Unit 10: Time Series Propagation

- Time Series Propagation

Unit 11: Summarizing SNP

- SNP: An Overview

SCM 220
Demand Planning
(Module 2)

Course Overview

Course Goals
Course Objectives

Unit 1: Supply Chain Management: An Overview

Supply Chain Management with SAP SCM

Unit 2: Interactive Planning

Navigation in the Interactive Planning Table
Analyzing Data in the Interactive Planning Table
Additional Features of the Interactive Planning Table
Collaborative Planning (Optional)

Unit 3: Forecasting

Executing a Univariate Forecasting
Determining the best Forecast Method
Causal Analysis – Multiple Linear Regression
Composite Forecast
Consensus Based Forecasting (Optional)
Forecast Alert Profile (Optional)

Unit 4: Lifecycle Planning

Realignment
Lifecycle Planning

Unit 5: Promotion Planning

Promotion Planning

UNIT 6: Mass Processing

Mass Processing

Unit 7: Info Cubes

SAP SCM Internal Business Warehouse

Unit 8: Demand Planning Configuration

Planning Object Structure
Characteristic Value Combinations
Planning Areas
Product Interchangeability
Proportional Factors
Version Management

Unit 9: Planning Books and Data Views

Creating Planning Books and Data Views
Macros

Unit 10: Demand Planning Summary

Planning Summary

Appendix 1: Integrated campaign/promotion planning with SAP APO & CRM

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
 - SAP HANA studio
 - 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:
 - SAP HANA introduction
 - Installation sizing and OS preparations
 - SAP HANA installation and upgrade/conversion to a multitenant database

- SAP HANA architecture and deployment options
- SAP HANA cockpit 2.0 installation, configuration and upgrade
- SAP HANA Administration tools
- Post installation steps
- Database administration tasks using SAP HANA cockpit 2.0
- Backup and recovery using SAP HANA cockpit 2.0
- SAP HANA Security
- 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.
 - SAP HANA scale-out and host auto failover.
 - SAP HANA multitenant features
 - SAP HANA system replication between datacenters
 - SAP HANA python scripts provided by SAP
- At the end, you will be able to perform all the required advanced system administration tasks on the SAP HANA database platform.
- Contents:
 - SAP HANA High Availability and Disaster Tolerance
 - SAP HANA multi host scale-out and host auto failover
 - SAP HANA storage and system replication
 - SAP HANA system replication options
 - SAP HANA multitenant features
 - 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 (optional)
 - Authorizations
 - Analyzing Users and Authorizations
 - Auditing
 - Security for SAP HANA Extended Application Services, class model (XSC, optional)
 - Security for SAP HANA Extended Application Services, advanced 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 Authorization Assistant (optional)
 - Integration with SAP GRC (optional)
 - Integration with SAP Identity Management (optional)
- Note: content, which is marked as “optional”, refer to secondary Lesson 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)
 - Listing DMO Benefits
 - Explaining DMO Basics
- Preparing Database Migration Option (DMO) Procedure
 - Ensuring DMO Prerequisites are Fulfilled on the Host
 - Configuring SAP Host Agent for DMO
 - Examining the SUM UI
- Configuration of Database Migration Option (DMO) Procedure
 - Starting the DMO Run
 - Continuing DMO with Roadmap Steps Configuration and Checks
 - Continuing DMO with Roadmap Steps Preprocessing
 - Listing DMO Procedure Steps
 - Monitoring the Migration
 - Resetting the DMO Procedure
 - Tuning the DMO Downtime
 - Listing the DMO Steps After Roadmap Step Preprocessing
 - Explaining the DMO Release Schedule
- Listing Migration Options to SAP HANA

