

Course Schedule 2021

SAP Skills University Singapore

Solution / Course	Duration	Fee excl 7% GST (SGD)	Start Date	End Date
WSGHAM SAP HANA Modelling (FT)	10 days	7,612	07-Oct-21	20-Oct-21
HA100 SAP HANA 2.0 SPS04 - Introduction	2 days		07-Oct-21	08-Oct-21
HA300 SAP HANA 2.0 SPS04 Modeling	5 days		11-Oct-21	15-Oct-21
HA301 SAP HANA 2.0 SPS04 Advanced Modeling	3 days		18-Oct-21	20-Oct-21
C_HANAIMP_16 SAP Certified Application Associate - SAP HANA 2.0 (SPS04)			NA	NA

Course details are the last updated on 10-May-2021
For more information, visit <https://training.sap.com/>

HA100 SAP HANA 2.0 SPS04 - Introduction

Goals

- This course will enable you to:
 - Understand the key concepts of SAP HANA
 - Work with the various SAP HANA interfaces used by developers and administrators
 - Create a data model using SAP HANA modeling tools
 - Acquire and enrich data and load to SAP HANA
 - Build a report that runs on an SAP HANA data model
 - Get started with the application development environment

Audience

- Application Consultant
- Change Manager
- Business Analyst
- Application Developer
- BI / BW consultant
- Data Scientist
- Database Administrator
- SAP HANA Project Manager
- SAP HANA Support Staff

Prerequisites

Essential

- None

Recommended

- Basic understanding of business IT

HA100 SAP HANA 2.0 SPS04 - Introduction (Contd...)

Course based on software release

- SAP HANA 2.0 SPS04

Content

- Describing SAP HANA
 - Understanding the Need for a Modern Digital Platform
 - Describing how SAP HANA Powers a Digital Platform
- Architecture of SAP HANA
 - Outlining Components of SAP HANA
 - Working with SAP HANA interfaces
 - Understanding Key Features of SAP HANA Database
 - Describing High Availability
- Analytical Processing with SAP HANA
 - Understanding Core Modeling with SAP HANA
 - Advanced Analytics with SAP HANA
- Data Management with SAP HANA
 - Data Tiering
 - Describing Data Acquisition Tools
- Developing and Running Applications on SAP HANA
 - Running SAP Enterprise Suites on SAP HANA
 - Connecting SAP Business Intelligence Tools to SAP HANA
 - Outlining SAP Business Warehouse on SAP HANA
 - Developing SQL Data Warehouses with SAP HANA
 - Building Native HANA Applications

Notes

- This course covers SAP HANA (the platform) and not SAP S/4HANA (the application suite). But a basic understanding of the platform is essential for anyone who works with SAP S/4HANA and so this course is highly recommended for SAP S/4HANA consultants.

HA300 SAP HANA 2.0 SPS04 – Modeling

Goals

- This course will prepare you to:
 - Develop information models following SAP best practices for maximum performance and flexibility
 - Get started with SQL and SQLScript based modeling
 - Manage projects and modeling content in the Web IDE
 - Implement security and data access controls around SAP HANA data models
 - Get a quick overview of advanced data processing such as text, spatial, predictive and graph

HA300 SAP HANA 2.0 SPS04 – Modeling (Contd...)

Audience

- Business application consultant
- Data Consultant / Manager
- Database Administrator
- Application developer
- BI specialist

Prerequisites

Essential

- HA100 – SAP HANA Introduction

Recommended

- HA150 – SQL and SQLScript for SAP HANA

Course based on software release

- SAP HANA 2.0 SPS04

Content

- Information Views
 - Introducing Information Views
 - Understanding the Different Types of Views
 - Working with Common View Design Features
- Using Nodes in Calculation Views
 - Using Projection Nodes
 - Using Join Nodes
 - Working with Data Sets
 - Aggregating Data
 - Creating Cubes with Star Join Calculation Views
 - Extracting Top Values with Rank Nodes
- Modeling Functions
 - Create Restricted and Calculated Columns
 - Filter Data
 - Use Variables and Input Parameters
 - Create Hierarchies
 - Implement Currency Conversion
- Using SQL in Models
 - Introducing SAP HANA SQL
 - Working with SQLScript
 - Query a Modeled Hierarchy Using SQLScript
 - Creating and Using Functions
 - Creating and Using Procedures
- CDS in SAP HANA Modeling
 - Defining the Persistence Layer Using CDS
 - Creating Views with CDS
- Optimization of Models
 - Using Tools to Check Model Performance
 - Implementing Good Modeling Practices

HA300 SAP HANA 2.0 SPS04 – Modeling (Contd...)

- Management and administration of Models
 - Working with Modeling Content in a Project
 - Creating and Manage Projects
 - Enabling Access to External Data
 - Working with GIT Within the SAP Web IDE
 - Migrating Modeling Content
- Security in SAP HANA Modeling
 - Understanding Roles and Privileges
 - Defining Analytic Privileges
 - Defining Roles
 - Masking Sensitive Data
 - Anonymizing Data
- Introduction to Advanced Modeling

HA301 SAP HANA 2.0 SPS04 Advanced Modeling

Goals

- This course will prepare you to:
 - Understand and put into practice the main advanced modeling capabilities of SAP HANA 2.0 SPS04 in the areas of text search and analysis, graph modeling, spatial analysis and predictive modeling.
 - Promote these advanced modeling capabilities to extend the core SAP HANA Modeling features.
 - Broaden your experience with the modern SAP HANA tooling in XS Advanced (SAP Web IDE for SAP HANA)

Audience

- Business application consultant
- Data Consultant / Manager
- Database Administrator
- Application developer
- BI specialist

Prerequisites

Essential

- HA100 – SAP HANA Introduction
- HA300 – SAP HANA Modeling

Recommended

- HA150 – SQL and SQL Script Basics for SAP HANA

Course based on software release

- SAP HANA 2.0 SPS04

HA301 SAP HANA 2.0 SPS04 Advanced Modeling (Contd...)

Content

- Introduction to Advanced Modeling
- SAP HANA Predictive Analysis Library (PAL)
 - Describing SAP HANA PAL
 - Using PAL in Flowgraphs
 - Calling PAL Functions in Calculation Views
 - Calling PAL Procedures in SQL Scripts
 - Exploring the PAL Library
- SAP HANA Spatial
 - Introducing SAP HANA Spatial
 - Working with Spatial Data Types
 - Importing and Exporting Spatial Data
 - Accessing and Manipulating Spatial Data
 - Using Spatial Clustering
- SAP HANA Graph
 - Defining SAP HANA Graph Workspace
 - Describing the Different Graph Algorithms
 - Using the Graph Node in Calculation Views
 - Using GraphScript Procedures
- SAP HANA Text
 - Understanding Full Text Search
 - Understanding Text Analysis
 - Understanding Text Mining
- SAP HANA Series Data
 - Getting Started with SAP HANA Series Data

Notes

- The information provided in the HA301 course is valid for participants who have followed the HA300 course in either SAP HANA 1.0 and SAP HANA 2.0.
- Certification C_HANAIMP_16 includes questions - approx. 20% - based on topics covered in HA301. We strongly recommend that you follow this course as part of your certification exam preparation.

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