

# Course Schedule 2021

## SAP Skills University Singapore

Solution / Course	Duration	Fee excl 7% GST (SGD)	Start Date	End Date
WSGHAM SAP HANA Modelling (PT)	10 days	7,612	11-Sep-21	17-Oct-21
HA100 SAP HANA Introduction 2.0 SPS04	2 days		11-Sep-21	12-Sep-21
HA300 SAP HANA 2.0 SPS04 Modeling	5 days		18-Sep-21	09-Oct-21
HA301 SAP HANA 2.0 SPS04 Advanced Modeling	3 days		10-Oct-21	17-Oct-21
C_HANAIMP_16 - SAP Certified Application Associate - SAP HANA 2.0 (SPS04)			NA	NA

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

### HA100 SAP HANA Introduction 2.0 SPS04

#### 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 Introduction 2.0 SPS04 (Contd...)

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## 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

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## 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...)

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## 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...)

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- 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 SPS05 Advanced Modeling

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### Goals

- This course will prepare you to:
  - Understand and put into practice the main advanced modeling capabilities of SAP HANA 2.0 SPS03 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 - 360° Introduction
- HA300 – SAP HANA 2.0 SPS05 - Modeling

#### Recommended

- HA150 – SQL and SQL Script Basics for SAP HANA

#### Course based on software release

- SAP HANA 2.0 SPS05

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

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## 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\_17 includes questions based on important topics covered in HA301. We strongly recommend that you follow this course as part of your certification exam preparation.

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