

HA301: SAP HANA 2.0 SPS04 Advanced Modeling

Course Outline

Course announcements

This course teaches the core capabilities of SAP. This course provides advanced knowledge and practical experience on several topics that are included in, or connected to, the scope of the modeler role. Its purpose is to take a step further, beyond the core modeling knowledge from HA300, and to demonstrate how applications powered by SAP HANA can benefit from innovations such as Spatial Data Storage and Processing, Text Search and Analysis, Predictive Analysis and Graph Modeling.

The course is supported by many demos and exercise, which demonstrate the advanced modeling capabilities in several scenarios. For example, working with classical schemas or HDI containers in XS Advanced, using the SQL console, developing graphical models. Some of the proposed case studies blend together several modeling capabilities, such as text with spatial, or text with graph.

An introduction to SAP HANA Series Data is also provided.

Course Duration

3 Days

Delivery Format

Classroom, Virtual Live Classroom, Hybrid

Course Fee

Contact us for more details

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

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