

HA301

SAP HANA 2.0 SPS04 - Advanced Modeling

COURSE OUTLINE

Course Version: 16

Course Duration:

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Typographic Conventions

American English is the standard used in this handbook.

The following typographic conventions are also used.

This information is displayed in the instructor's presentation	
Demonstration	
Procedure	
Warning or Caution	
Hint	
Related or Additional Information	
Facilitated Discussion	
User interface control	<i>Example text</i>
Window title	<i>Example text</i>

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Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Database Administrator

Lesson 1: Getting Started

Lesson Objectives

After completing this lesson, you will be able to:

- Give a quick overview of core modeling

Lesson 1: Describing SAP HANA PAL

Lesson Objectives

After completing this lesson, you will be able to:

- Describe SAP HANA PAL

Lesson 2: Using PAL in Flowgraphs

Lesson Objectives

After completing this lesson, you will be able to:

- Use PAL in flowgraphs

Lesson 3: Calling PAL Functions in Calculation Views

Lesson Objectives

After completing this lesson, you will be able to:

- Call PAL functions in calculation views

Lesson 4: Calling PAL Procedures in SQL Scripts

Lesson Objectives

After completing this lesson, you will be able to:

- Call PAL procedures in SQL Scripts

Lesson 5: Exploring the PAL Library

Lesson Objectives

After completing this lesson, you will be able to:

- Use the PAL documentation to find the correct algorithm
- Use more complex algorithms

Lesson 1: Introducing SAP HANA Spatial

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the spatial capabilities of SAP HANA

Lesson 2: Working with Spatial Data Types

Lesson Objectives

After completing this lesson, you will be able to:

- Understand how spatial data is stored in SAP HANA tables
- Understand a spatial reference system

Lesson 3: Importing and Exporting Spatial Data

Lesson Objectives

After completing this lesson, you will be able to:

- Import and export spatial data

Lesson 4: Manipulating Spatial Data

Lesson Objectives

After completing this lesson, you will be able to:

- Manipulate spatial data

Lesson 5: Using Spatial Clustering

Lesson Objectives

After completing this lesson, you will be able to:

- Understand SAP HANA spatial clustering capabilities

Lesson 1: Defining SAP HANA Graph Workspace

Lesson Objectives

After completing this lesson, you will be able to:

- Define the SAP HANA Graph workspace

Lesson 2: Describing the Different Graph Algorithms

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the different graph algorithms

Lesson 3: Using the Graph Node in Calculation Views

Lesson Objectives

After completing this lesson, you will be able to:

- Use the graph node in calculation views

Lesson 4: Using GraphScript Procedures

Lesson Objectives

After completing this lesson, you will be able to:

- Use GraphScript language in procedures

Lesson 1: Understanding Full Text Search

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the key concepts of full text search
- Build full text indexes
- Work with exact search
- Work with linguistic search
- Work with fuzzy search

Lesson 2: Understanding Text Analysis

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the key concepts of text analysis
- Work with text analysis
- Customize text analysis
- Use text analysis with SAP HANA Graph

Lesson 3: Understanding Text Mining

Lesson Objectives

After completing this lesson, you will be able to:

- Understand text mining

Lesson 1: Working with Hierarchy Functions

Lesson Objectives

After completing this lesson, you will be able to:

- Generate Hierarchies
- Navigate Hierarchies

Lesson 1: Getting Started with SAP HANA Series Data

Lesson Objectives

After completing this lesson, you will be able to:

- Understand SAP HANA series data