

# SAP HANA 2.0 SPS05 Modeling (5 Days)

## Skills Gained

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 SAP Web IDE for SAP HANA
- 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

## Who Can Benefit

- Application consultant
- Data Consultant / Manager
- Database Administrator
- Application Developer
- BI specialist

## Prerequisites

- Essential:
  - HA100 SAP HANA - 360° Introduction
- Recommended:
  - HA150 SAP HANA 2.0 SPS05 - SQLScript for SAP HANA

## Course Outline

### 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

### **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**