COURSE LISTING

Training for Database & Technology with Modeling in SAP HANA

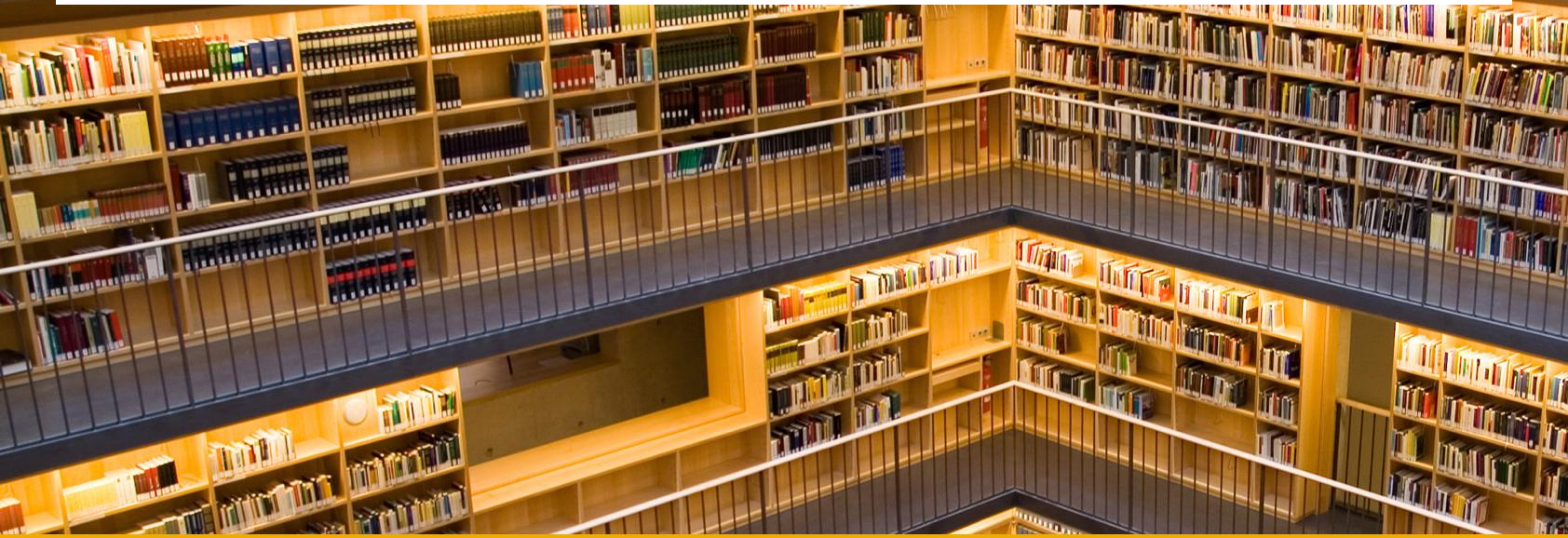
Courses Listed

Beginner

- HA100 - SAP HANA® – 360° Introduction

Advanced

- HA300 - SAP HANA 2.0 SPS06 Modeling



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All available schedules in your selection

HA300 SAP HANA 2.0 SPS06 Modeling

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

HA100 SAP HANA® – 360° Introduction

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

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HA300 - SAP HANA 2.0 SPS06 Modeling

Course announcements

- This course is also available in a self-paced e-learning format with an active subscription to the SAP Learning Hub, as HA300E.
- This course teaches the core capabilities of SAP HANA for calculation view modeling, and covers mainly graphical modeling, as well as SQL- based modeling (table functions and procedures) with a focus on performance. It also introduces core data services as a flexible method to model a persistence layer.
- The participants will gain knowledge about the management of modeling content in the SAP Web IDE for SAP HANA, and the key principles of object and data access security in a modeling context.

Goals

- This course will prepare you to:
- Develop information models following SAP best practices for maximum performance and flexibility
- Get started with SQL and SQL-Script 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

Audience

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

Essential

- HA100 SAP HANA - 360° Introduction

Course based on software release

- SAP HANA 2.0 SPS06

Content

- Calculation Views
- Introducing Calculation 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 CUBE with Star Join Calculation Views
- Extracting Top Values with Rank Nodes
- Modeling Functions
- Create Restricted and Calculated Columns
- Filtering Data
- Using Variables and Input Parameters
- Implementing Hierarchies
- Implement Currency Conversion
- Defining Time-Based Dimension Calculation Views

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- Using SQL in Models
- Introducing SAP HANA SQL
- Query a Modeled Hierarchy Using SQLScript
- Working with SQLScript
- Creating and Using Functions
- Creating and Using Procedures
- Persistence Layer
- Defining the Persistence Layer
- Loading Data into Tables
- Accessing Remote Data
- Optimization of Models
- Implementing Good Modeling Practices
- Implementing Static Cache
- Controlling Parallelization
- Implementing Union Pruning
- Using Tools to Check Model Performance
- Developing a Data Management Architecture
- Management and administration of Models
- Working with Modeling Content in a Project
- Creating and Managing Projects
- Enabling Access to External Data
- Working with GIT Within the SAP Web IDE
- Migrating Modeling Content

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- Security in SAP HANA Modeling
- Understanding Roles and Privileges
- Defining Analytic Privileges
- Defining Roles
- Masking Sensitive Data
- Anonymizing Data

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HA100 - SAP HANA® – 360° Introduction

Course announcements

- This course introduces SAP HANA. Through lectures and exercises you will quickly develop a broad understanding of all key areas of SAP HANA including technology, architecture, data modeling, data management and application development. This course is an important prerequisite for many detailed, follow-on SAP HANA courses. Topics covered in this course are included in most SAP HANA certifications.

Goals

- This course will prepare you to:
- Understand the key technology of SAP HANA
- Understand the key roles and their responsibilities in an SAP HANA project
- 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
- Business Analyst
- Change Manager
- Database Administrator
- Application Developer
- BI / BW consultant
- Data Scientist
- SAP HANA Project Manager
- SAP HANA Support Staff

Essential

- None

Course based on software release

- SAP HANA 2.0 SPS07

Content

- Describing SAP HANA
- Technical requirements of SAP HANA
- Data management with SAP HANA
- Analytical processing with SAP HANA
- Powering data warehouses with SAP HANA
- Running SAP applications on SAP HANA
- Developing Applications of SAP HANA
- Monitoring SAP HANA
- Security and data privacy with SAP HANA
- Migration to SAP HANA

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