HA150: SAP HANA 2.0 SPS06 SQLScript for SAP HANA

Course Outline

Course announcements

To maximize the performance of data models and applications running on SAP HANA, it is essential that all data related tasks are effectively and according to best practices programmed at the database level. The language used is SQL and its SAP HANA specific extended variant called SQLScript. This course covers programming with SQL and SQLScript in the SAP HANA database and includes all key areas for writing efficient declarative and imperative code and much more. Through examples and exercises you will be guided through recommended approaches from SAP intensively.

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:

- Find smart ways in SAP HANA to push down data intensive tasks to SAP HANA with SQLScript and guarantee performance over time
- Understand how to code using advanced SQLScript techniques with guided best practices
- Follow recommended best practices in data models for writing in- memory optimized SQL code
- Gain solid knowledge on how to fix performance issues on behalf of SAP

HANA's traces and solve those issues in an enduring way

Audience

- Application Developer
- Data Modeler
- BI / BW Consultant
- Data Scientist
- Database Administrator
- SAP HANA Support Personnel

Content

- Getting Started
  - Fast and effective walk through HDBSQL and SQLScript and its special functionalities
  - Understanding SAP HANA extended application services and HDI to support SAP HANA development in SQL
  - Learn to work with Web IDE for SAP HANA
  - Quickly finding the right way to SQL solutions
- SQL Essentials
- SQL Logic Containers
  - Creating user-defined functions
  - Creating database procedures
  - Trapping errors in SQLScript
  - User defined libraries, functions and stored procedures
- Declarative Logic
  - Using declarative logic
- Imperative Logic
  - Using imperative logic if needed
  - How to implement transactional save points
- Working with temporal tables
  - OLAP operations
- Using OLAP analytic features
- Working with hierarchies
- Troubleshooting and best practices
  - Tools for troubleshooting and creating professional performance tuning

- Best practices and how to reduce code volume while leveraging smart SAP HANA functionalities
- Appendix: Starting from the beginning with SQL fundamentals