SAP BW/4HANA Modeling

Duration: 5 Days **Course Code: BW430** **Delivery Method: Company Event**

Overview:

This course is designed for users with some experience in BW/4HANA or for users who have visited BW410 and know the BW/4HANA terms and basic data warehousing tasks. They learn to design BW/4HANA data models based on the LSA++ layered scalable architecture model and using SAP BW/4HANA and SAP HANA modeling objects. Focus topics are master data (especially time-dependency and hierarchies), Open ODS Views, different types of DataStore Objects (advanced), and different Composite Provider scenarios, staging scenarios with InfoSources, currency and unit conversion, and hybrid models with SAP HANA Calculation views.

Target Audience:

Application ConsultantBusiness AnalystSolution ArchitectSystem ArchitectTechnology Consultant

Objectives:

- This course will prepare you to:
- Outlining advantages of the new SAP "In-Memory" database foundation for SAP BW/4HANA in general.
- Understanding modeling requirements and comparing modeling approaches
- Discussing Best Practices guidelines such as LSA++ and separating master and transactional data.
- Describing steps in developing an SAP BW/4HANA data model.
- Applying SAP Business Content.
- Using the power of SAP BW/4HANA modeling artifacts.
- Leveraging the advantages of field-based modeling.
- Creating and using hierarchies with SAP BW/4HANA InfoObjects or and with native SAP HANA XSA Calculation Views.
- Harmonizing transactional data from different source systems.
- Implementing Currency and Unit Conversion with SAP BW/4HANA or and with native SAP HANA XSA Calculation Views.
- Using Data Tiering Optimization
- Generating external SAP HANA views and understanding "Mixed Scenarios", based on XSA.
- Creating and using an SAP HANA Analysis Process.
- Outlining Inventory Management and Stock coverage scenarios

Prerequisites:

- BW410 - SAP BW/4HANA Data Warehousing

Content:

Introduction to Data Modelling, Challenges, Conflicts

Overview about the Business Case (Case Study)

Comparing Modeling approaches

- SAP HANA modeling
- SAP BW/4HANA modelling
- Mixed strategies

Best Practice Standards in BW/4HANA Modeling

- Understanding Object Changeability
- Separating Master Data and Transactional Data
- Using Time-Dependent Master Data, Tracking History
- Harmonizing Data
- Designing a BW/4HANA Layered Scalable Architecture (LSA++)
- Understanding Physical and Logical Partitioning

Process of Modeling

- Defining the Sequence and Phases of SAP BW Projects
- Developing an SAP BW/4HANA Data Model

SAP BW/4HANA Content Add-On

- Working with SAP Business Content
- Introducing ABAP CDS Views provided by SAP BW/4HANA

Implementing SAP BW/4HANA Field-Based Models

- Implementing Field-Based Modeling with Open ODS Views
- Understanding Snapshot and Corporate Memory Models

Implementing Models in SAP BW/4HANA

- Modeling and Implementing SAP BW/4HANA Master Data
- Modeling and Implementing Advanced DataStore Objects (ADSOs)
- Modeling and Implementing InfoSources and Transformations
- Modeling and Implementing Composite Providers

Implementing Native SAP HANA Views

- Modeling Master Data in SAP HANA Views
- Modeling Transactional Data in SAP HANA Views

Implementing Agile Data Marts

- Generating External SAP HANA Views for SAP BW/4HANA Objects
- Implementing Mixed Scenarios

Additional Modeling aspects in SAP BW/4HANA

- Introducing the HANA Analysis Process (HAP)
- Defining Inventory Scenarios
- Defining Stock Coverage Scenarios

Further Information:

For More information, or to book your course, please call us on 0800/84.009

info@globalknowledge.be

www.globalknowledge.com/en-be/