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SAP BW ON HANA

◆ 1:1 Instructor-Led Online Training ◆



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Overview

BW functions performed within SAP HANA benefit from its in-memory planning capabilities and calculation engines, accelerating BW data access. No need for aggregates in it. The system creates logical indexes for the SAP HANA-optimized InfoCube. Composite Provider enables to combine ad-hoc data with consolidated data and use the OLAP functions of the BW system for analysis. It creates a VirtualProvider based on a SAP HANA model. SAP BW on HANA training enables implement SAP BW powered by SAP HANA and advantages of the "In-Memory" Solution with SAP BW.

Objectives:

This course enables you to implement and maintain SAP BW powered by SAP HANA and outlines advantages of the new "In-Memory" Solution with SAP BW. It explains HANA specific or optimized elements and aspects of SAP BW.

Pre-Requisites:



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- Basics of SQL, Database & Data Warehouse

Who Should Join this Training?

- Someone who is looking to start their career in SAP
- Someone who is looking for a career in SAP BW 7.3 , 7.4 for SAP customers
- Someone who is working as a SAP consultant and wants to learn SAP BW 7.3 and 7.4 skills

COURSE CONTENT

Unit 1: Introduction

- Evolution of HANA Landscape
- SAP HANA Basics
- SAP Net Weaver BW 7.4

Unit 2: SAP HANA and Business Strategy

- Identifying Transformational Opportunities
- Understanding Your Needs, Enterprise Needs, Data Needs
- Working with Existing Solutions: SAP HANA versus SAP NetWeaver BWA
- Does SAP HANA Replace BWA?
- Pros and Cons of BWA
- Pros and Cons of SAP HANA

Unit 3: SAP HANA Architecture

- InMemory Computing (Row Store, Column Store, Persistency Layer, Architectural Concept)
- HANA based Real-time Operational Analytics
- HANA based Agile Data Marts for Rapid Prototyping with Analytic Models
- New Modelling Paradigm in order to provide agility and flexibility from business question to report



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Unit 4: HANA-optimized DataStore Object and InfoCube

- HANA-Optimized DataStore Object
- HANA-Optimized InfoCube
- Semantically Partitioned Object

Unit 5: SAP HANA modeling

- Purpose of Information Modeler
- Levels of Modeling in SAP HANA
- Attribute Views
- Analytic Views
- Calculation Views
- Export & Import

Unit 6: MODELING of SAP BW 7.4 with SAP HANA

- Models in SAP BW 7.4
- Data Extraction and Data Flow within SAP BW 7.4 NW 2004S
- New Data source Concept of BW 7.4
- Transformation in BW 7.4(ETL)
- DTP (Data Transfer Process)
- FROM 3.X TO BW 7.4
- Business Content UPGRADING DATAFLOWS
- Administration of InfoCubes and Aggregates
- DSO (DATA STORE OBJECTS)
- Virtual Cubes and Multi Providers

Unit 7: Consuming HANA Models in BW

- Virtual Provider
- Transient Provider
- Composite Provider
- DB Connect
- Importing SAP BW models in SAP HANA
- Importing HANA optimize infocubes
- Importing HANA optimize DSO

Unit 8: DATA EXTRACTIONS (ETL)



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ECC Extractions Using BI BW 7.4 Dataflow

- Overview of ECC6.0 Extractions.
- Generic Extractions
- Business Content Extractions
- CO-PA Extractions (COST PROFITABLE ANALYSIS)
- LO-COCK PIT Extractions (LOGISTICS)
- FI-SL Extractions (Financial special purpose ledger)

SAP CRM Extractions

- Delta Management
- Extracting Master Data from CC (Attributes, Text, Hierarchies)
- Data source Enhancement
- Process Chains in Detail covering all process Types
- Upgrading process Chains from 3.x to BW 7.4
- APDS (Analysis Process Designers)
- New Enhancement of SAP BW 7.3,7.4

Unit 9: REPORTING

- Introduction to BI Enterprise Reporting
- Navigating in Reports
- First Steps in Query Designer
- Key Figures
- Characteristics
- Attributes
- Exceptions and Conditions