

SAP- HANA DEVELOPMENT - Course Content

Prerequisites

A basic knowledge of database technology, especially relational databases and SQL query language

A general understanding of how columnar, in-memory databases work Someone who is looking for a career in BW on HANA Platform.

Someone who is working as a SAP BW consultant and wants to learn SAP HANA skills.

HANA INTRODUCTION

Introduction to SAP HANA
 HANA – In Memory Computing
 Technology overview
 HANA – In Memory Strategy
 HANA Architecture
 HANA System requirements
 HANA Modules
 HANA compare to BWA
 HANA with BW
 HANA with ECC
 HANA administration & Security

HANA Modeling studio
 Modeling Process flow
 Levels of Modeling in SAP HANA
 Attributes
 Measures
 Attributes Views
 Analytical Views
 Calculation Views
 Hierarchies
 Export & Import

ARCHITECTURE

HANA Engine Overview
 IMCE surroundings
 Different HANA Engine
 Types Row Store
 Column Store
 Persistency Layer
 Business Impact of new architecture

ADVANCE MODELING

Calculation Views
 Functions & Expressions
 Procedures
 Procedure scenarios
 Sequence Creation

MODELING

LOADING and REPLICATION PROCESS

SAP HANA database HANA
 client components HANA
 Data loading process
 Loading and replication process:
 cont..

- Data loading mechanism
- Data replication process
- Replication Server
- Replication Architecture
- BO Data Services data extraction
- Introduction to Data Services

SECURITY

- Creating Users
- Creating Roles
- Privileges
- User Administration

SAP BODS and HANA

- Basic Data service Connection types
- New to Data services 40
- Full Extractor though ODP
- Configure Import server
- Create and execute a Data Service Job to Populate HANA Row & Column store aggregation

DATA PROVISIONING: SAP LANDSCAPE TRANSFORMATION (SLT)

- Data provisioning overview
- SAP landscape transformation set-up
- Options for SLT landscape installation
- Post installation stem
- Concept of SLT replication
- Architecture and key building block
- Technical requirement and system set-up information for LT replication server

SAP BW ON HANA

- Loading data from BW to HANA via BODS
- Impact of BW on HANA.

REPORTING

- User Interface (UI)/Reporting
- Business Objects BI 40 Enterprise
- Business Objects Reporting
- Business Objects Integration with HANA
- Business Objects BI 40 Explorer
- Non SAP reporting tools with HANA MS Office integration
- Real time Dashboards
- Crystal Reports via ODBC/JDBC Connections
- HANA Reporting Layer & Connectivity Options
- Reporting on HANA Clients
- Reporting on HANA Open Interfaces
- Prerequisites for reporting on SAP HANA
- IMDB client installation
- Setting up new connection
- SAP Business Objects BI4.0:Overview & tool comparison
- Analytical Reporting on HANA
- Relational Reporting on HANA
- Reporting on HANA Demo Included
- Native Excel Interface via ODBO
- SAP Business Object Analysis(Office Edition)
- SAP Business Object Explorer
- Semantic Layer Approach
- IDT Vs Universe Designer

SAP BOBJ Web I
SAP BOBJ Xcelsius
SAP Crystal Reports
Enterprise Vs 2011 Front
end tool reporting
considerations on top of
HANA Single & Multiple
Implementation of BADI.

MODULE

Miscellaneous
BW 7.3 powered by HANA Overview
SAP HANA Roadmap
HANA today
HANA 2.0 (Suite)
The BW - HANA Relationship
In-Memory DSO & Cube Overview

EXCERISE for LAB.