

ABAP ON HANA Training

ABAP ON HANA SYLLABUS :

On boarding and introduction to ABAP HANA

ABAP Meets SAP HANA

- ❖ SAP HANA Ambitions
- ❖ Hardware Technology innovations
- ❖ SAP Software Technology innovations
- ❖ SAP HANA Goals
- ❖ Evolution of ABAP for SAP HANA
- ❖ Possible Type of SAP HANA Based Applications
- ❖ Highlights of SAP Netweaver Application server ABAP 7.4

What we need to know

- ❖ Row store
- ❖ Column store
- ❖ When to use columnar storage
- ❖ When to use row storage
- ❖ Demo
- ❖ Column store dictionary compression

Code to data Paradigm

- ❖ Implications of an in memory data base
- ❖ Over view code to data capabilities
- ❖ Performance improvement vs code adjustments

Your Development Tools

- ❖ System Demo to write “Hello World”
- ❖ Short cuts

Existing code is still valid

- ❖ Migration to SAP HANA

- ❖ Code Continuity
- ❖ Mandatory Adaptations
- ❖ ABAP Test cockpit
- ❖ Runtime check Monitor

What About Performance

- ❖ Performance consideration
- ❖ Classical performance guidelines and additions
- ❖ Code Inspector check variant PERFORMANCE_DB
- ❖ Demi
- ❖ Static performance check coverage

SQL Footprints in your productive System

- ❖ Example of productive ERP System
- ❖ SQL Monitor
- ❖ Architecture
- ❖ Administration of the SQL Monitor
- ❖ Analysis of SQL Monitor Data
- ❖ Demo

Guided Performance Analysis

- ❖ Combination of code check results
- ❖ SQL Performance Tuning Work list demo
- ❖ Recommended procedure

Optimized ALV and Other Improvements

- ❖ Transparent Optimization
- ❖ ALV Integrated Data Access demo
- ❖ ALV integrated data access
- ❖ Search help
- ❖ Demo on search help

Recent Open SQL Enhancements

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- ❖ [EPM](#)
- ❖ [What is Open SQL](#)
- ❖ [Demo](#)
- ❖ [What's new in Open SQL](#)
- ❖ [Literal Value and generic existence check](#)
- ❖ [Expressions](#)
- ❖ [Demo](#)
- ❖ [Conditional Expression](#)
- ❖ [Expressions in Group by having clauses](#)
- ❖ [Automatic client handling](#)

Core Data Services

- ❖ [Introduction to CDS services](#)
- ❖ [CDS in ABAP](#)
- ❖ [Demo](#)
- ❖ [Simple CDS View and Open SQL Consumption](#)
- ❖ [CDS views vs. Open SQL](#)

Core Data Services : View Definition

- ❖ [Demo](#)
- ❖ [Projection list](#)
- ❖ [View-on-view concept](#)
- ❖ [CDS View Extensions](#)
- ❖ [CDS view with input parameters](#)

Core Data Services : Associations

- ❖ [Demo](#)
- ❖ [UNION & UNION ALL Statements](#)
- ❖ [Join statements](#)
- ❖ [Simple association](#)
- ❖ [Association types](#)
- ❖ [Filter associations](#)

Native SAP HANA Using in ABAP

- ❖ [ADBC](#)
- ❖ [DEMO](#)

- ❖ [ABAP Database Connectivity : Typical code](#)
- ❖ [Native SQL Pitfalls](#)
- ❖ [Consumption of an SAP HANA Database procedure with ADBC](#)
- ❖ [Consumption of an ABAP Managed Database Procedure](#)

ABAP Managed DBMS

- ❖ [Introduction of AMDPs](#)
- ❖ [Demo](#)
- ❖ [Class definition](#)
- ❖ [Class implementation](#)
- ❖ [Consumption and artifact creation](#)
- ❖ [Exception Handling](#)
- ❖ [AMDP Exception Hierarchy](#)
- ❖ [AMDP BAD](#)

Domain Specific Usage of CDS

- ❖ [CDS Annotation Concept](#)
- ❖ [Demo](#)
- ❖ [Consumption of CDS View in SAP Gateway](#)
- ❖ [Demo](#)