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SAP Hana Abap Online Training by Certified Consultant

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
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Recent Open SQL Enhancements

- 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
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Core Data Services : View Definition

- Demo
- Projection list
- View-on-view concept
- CDS View Extensions
- CDS view with input parameters
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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
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ABAP Managed DBMS

- Introduction of AMDPs
- Demo
- Class definition
- Class implementation
- Consumption and artifact creation
- Exception Handling
- AMDP Exception Hierarchy
- AMDP BAD
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Domain Specific Usage of CDS

- CDS Annotation Concept
- Demo
- Consumption of CDS View in SAP Gateway
- Demo