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# SAP ABAP on HANA

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#### Introduction

- Introduction to SAP HANA
- ABAP Evolution for SAP HANA
- Understanding HANA Architecture
- SAP In-Memory Technology
- SAP HANA Database Essentials
- Exploring Row Store and Column Store
- **Database Compression**
- Powering Up with Code Pushdown
- Data Provisioning Techniques

#### **Elevating ABAP with SAP HANA**

- Introduction to HANA Transformation
- Optimizing for the SAP HANA Database
- Planned Optimization Support
- Enabling ABAP Access to SAP HANA
- Running ABAP on the HANA Platform
- ABAP Optimization for Peak Performance
- Enhancement Package for SAP NetWeaver AS ABAP
- Seamless Migration of ABAP Code to SAP HANA
- Performance and Functional Checks

### SAP HANA Studio or Eclipse

- Foundations of SAP HANA Studio
- Essentials of the HANA Client
- Navigating Workflow Effectively
- Exploring SAP HANA Studio Views
- System Environment: Catalog and Content
- Diving into SAP HANA Studio Perspectives
- Modeler Perspective Deconstructed
- **Development Perspective Unveiled**
- Mastering Data Provisioning Editor and Table Administration
- Administration Perspective: The Insider's View
- Administering Security with Precision
- Quick Links and Handy Shortcuts
- Insight into Native HANA Application Development

## HANA-Specific Code-to-Data Techniques

- Native SQL Utilization with SAP HANA
- The World of ABAP Database Connectivity (ADBC)

## **Database-Independent Code-to-Data Strategies**

- Introduction to OPEN SQL
- Features Fueling OPEN SQL
- Unpacking New OPEN SQL Syntax











- Exploring Fresh OPEN SQL Features
- Comprehensive List of OPEN SQL Statements in SAP ABAP
- Performance Best Practices for OPEN SQL
- Recognizing the Limitations of OPEN SQL

#### Introduction to Core Data Services (CDS)

- CDS in the ABAP Context
- Live Demo and Showcase of CDS Power
- Features in CDS View Definitions

# ABAP List Viewer with Integrated Database Access (ALV IDA)

#### ABAP-Managed Database Procedures

• Understanding and working with ABAP-Managed Database Procedures

# New ABAP Syntax (SAP NW 7.4 Onwards and 7.5 Features)

- Inline Data Declaration Revolution
- Explicit Type Declaration: Crystal Clear
- Standard Internal Table Declaration Demystified
- Deep Dive into Sorted Internal Table Declaration
- Unveiling Internal Table with More Components
- Navigating Deep Structures with Finesse
- MOVE-CORRESPONDING for Internal Tables
- Table Expressions Deciphered
- GROUP BY Unveiled for Internal Tables
- Unveiling FILTER Expressions
- INNER JOIN: Bridging Data Effortlessly
- Embracing the NEW Keyword for Object Creation
- CONVERSION\_EXIT\_ALPHA\_INPUT/OUTPUT: A Deeper Look
- Using SWITCH Statement for Efficient Coding

# • FUZZY Search Exploration

- Introductory Tour of Fuzzy Search
- Real-Life Examples of Fuzzy Search Implementation



