



VtechSoft
Solutions

SAP HANA Introduction

1. In-Memory Computing
2. Evolution of In-Memory computing at SAP
3. History HANA
4. HANA Hardware Sizing
5. Product Availability Matrix
6. HANA compare to BWA

SAP HANA Overview

1. Architectural overview
2. Row Store
3. Column Store
4. Persistency Layer

SAP HANA Versions and Studio overview

1. SAP HANA Version
2. History of Service pack details
3. Studio Overview
4. HANA Studio Preferences
5. HANA Studio Prospective

SAP HANA Engines

1. Column Store Engine
2. Row Store Engine
3. Join Engine
4. OLAP Engines
5. Calculation Engine
6. Calculation Engine's Non-Relational Behavior
1. SAP HANA General Modeling Principles

SAP HANA Modeling

Design Attribute View

1. How to connect tables using
2. Inner Join
3. Left Outer Join
4. Right Outer Join
5. Full Outer Join
6. Text Join
7. Referential Join
8. Union
9. Filter
10. Calculated Column

Design Analytic View

1. Structural Overview
2. Data Foundation
3. Logical View
4. Define View Semantics

Contact :- +91 9642981112, +91 9542934555,

www.vtechsoftsolutions.com



5. Left Outer Join – Attribute View
6. Inner Join – Analytical View
7. Right Outer Join – Analytical View
8. Referential Join – Analytical View

9. Run-time object: column view
10. Calculated Attribute
11. Calculated Measure
12. Restricted Measure
13. Filter
14. Variable
15. Input Parameter

Tables in HANA

1. Column Store Table
2. Row Store Table
3. Table Type

SQL in HANA

1. Basic SQL Knowledge
2. Select Statement
3. From Clause
4. Where Clause
5. Group By clause
6. Having Clause
7. Order by Clause
8. Top N clause

SQL Procedure in HANA

1. How to create Procedure
2. Elements of the Procedure
3. Procedures using Column Store Views
4. IF-ELSE Logic
5. For Loop Logic
6. Cursor in HANA
7. Dynamic Filter

CE based Script in HANA

1. CE_COLUMN_TABLE
2. CE_JOIN_VIEW
3. CE_OLAP_VIEW
4. CE_CALC_VIEW
5. CE_JOIN
6. CE_LEFT_OUTER_JOIN
7. CE_RIGHT_OUTER_JOIN
8. CE_FULL_OUTER_JOIN
9. CE_PROJECTION
10. CE_CALC
11. CE_AGGREGATION

**Contact :- +91 9642981112, +91 9542934555,
www.vtechsoftsolutions.com**



12. CE_UNION_ALL

Design Calculation View

1. Graphical Calculation View
2. Calculation SQL Script method
3. Graphical Calculation View Working with Nodes
4. Graphical Calculation View Define View Result Set
5. Graphical Calculation View Define View Semantics
6. How to call Calculation view using SQL into Calculation Views
7. Script-based CV: output column structure import
8. Spatial support: spatial operations in model data flow
9. Scenario redesign: replace node / replace data sources
10. Extract semantics from data sources
11. Table function as data sources
12. Debugging Views with drill-down analysis
13. Calculation View limitations in Designing and performance issues
14. Select count (*) statement on top of a HANA graphical Calculation View leads to unexpected number of records in the result set.

Miscellaneous

1. Delivery Units
2. Transport Individual HANA Models
3. How to load Excel data into HANA using Studio
4. Export/Import
5. How to create Sequence
6. How to create Synonym
7. How to create Trigger
8. How to create View

Performance Tuning

1. Index creation
2. Partitioning
3. Hash Partition
4. Merge Partition
5. Round Robin Partition
6. Multi-Level Partition
7. Table Redistribution

Security & User Management

1. Creating Users
2. Creating Roles
3. Privileges
4. Authorization challenges
5. User Administration
6. Backup & Recovery
7. Collecting traces

**Contact :- +91 9642981112, +91 9542934555,
www.vtechsoftsolutions.com**



Data Provisioning

1. SAP Data Services extraction
2. SAP SLT Replication
3. Smart Data Access
4. SAP HANA-Direct Extractor Connection (DXC)

SAP Data Services Overview

1. What is SAP Data Services
2. SAP Data Services Architecture
3. SAP Data Services objects (Job, Data Flow, Work Flow, Transformations)

SAP Data Services Extraction

1. Loading Data from SAP ECC to SAP HANA DB
2. Loading Data from SAP BW to SAP HANA DB
3. Loading Data from MSSQL Server DB to SAP HANA DB
4. Loading Data from Excel to SAP HANA DB
5. How to load data from HANA Information Models to MSSQL DB

SAP SLT Data provisioning overview

1. What is SAP SLT
2. SAP SLT License options
3. SAP SLT system sizing
4. SAP SLT system landscape preparation

SAP SLT Schema configuration

1. How to configure SLT Schema for SAP Source system
2. How to configure SLT Schema for Non-SAP Source system
3. No.of Data transfer Jobs configuration
4. How to improve Initial data loading
5. Tables configuration in SLT using Data Provisioning

SAP SLT Performance tuning techniques

1. Monitoring Replication in SLT
2. Access Plan
3. Reading Types
4. Adding Entry in the table IUUC_PRECALC_OBJ
5. Adding Entry in the table IUUC_PERF_OPTION
6. MWBMON
7. How to do Partition in SLT
8. How to restrict the tables that are allowed for replication
9. HANA Supported Data Types
10. How to change the standard mapping

Advanced Replication Settings

1. How to Edit target table structure
2. How to Import and Export transformations
3. How to set Reading Types to handle large data tables loads

**Contact :- +91 9642981112, +91 9542934555,
www.vtechsoftsolutions.com**

HANA Advanced Analytics

HANA Reporting BO Tools

1. How to Connect with IDT
2. How to create Universe using HANA Tables
3. How to create Webi Reports
4. Webi Functions
5. How to schedule Webi reports
6. How to assign the WebI reports to the End users

HANA Reporting with Crystal Reports 2013

1. Report Designer
2. Report creation wizard
3. Sections
4. Sorting and Grouping
5. Chart expert
6. Formulas
7. Sub reports

HANA Reporting with Crystal Reports for Enterprise

1. How to Connect HANA with Crystal Reports for Enterprise
2. How to create reports

HANA Reporting with SAP Dashboards

1. How to Connect HANA with Dashboards
2. How to create Dashboard Reports

HANA Reporting with SAP Lumira

1. How to Connect HANA with SAP Lumira
2. How to Explore HANA Data with Lumira
3. Publish Lumira report

HANA Reporting with SAP Design Studio

1. SAP Design Studio Overview
2. How to create reports

HANA Reporting with SAP Predictive Analysis

1. SAP Predictive Analysis Overview
2. How to Explore data with Predictive Analysis

BW 7.3 powered by HANA Overview

1. BW 7.3 powered by HANA Overview
2. Sizing report for SAP BW on HANA
3. BW7.30-HANA Optimized Info Cube
4. BW7.30-HANA Optimized Info DSO

**Contact :- +91 9642981112, +91 9542934555,
www.vtechsoftsolutions.com**

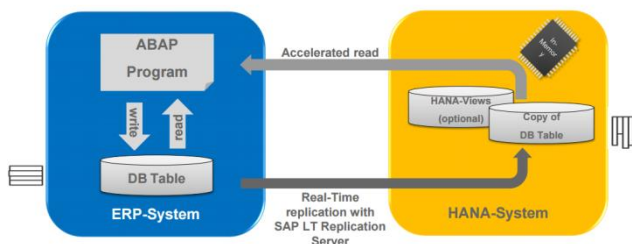
5. Importing SAP BW7.30 Models into HANA Modeling environment
6. Publish Standalone HANA Models into SAP BW 7.30 on HANA
7. BW on HANA Migration activities

BW 7.4 powered by HANA Modeling in Studio tool

1. CompositeProvider
2. Open ODS View
3. Advanced DataStore Object
4. Query in Eclipse

SAP HANA as Secondary Database

2 Architectural Concept



SAP HANA End to End Mock Implementation Project

1. How configure SAP 150 ECC tables using SLT Replication
2. How to configure Data loads using SAP Data Services from Oracle DB
3. How Create HANA Information models based on Business Requirement
4. Creating HANA Models using Combination of multiple Sources
5. How to generate SAP BO reports and Assign to End User
6. Creating 3 HANA Implementation projects Proof of Concepts
7. Guidance to Create HANA models Architecture for Implementation project

SAP HANA Certification Guidance

1. SAP HANA Exam Code C_HANAIMP141
2. HA100 and HA300 Documents can be provide for certification preparation purpose.
3. SAP HANA Exam Dumps can be provided, to clear certification exam.