

# ERP SAP HANA

## Course Content



### ERP SAP HANA Introduction and Architecture

- ✚ ERP SAP HANA Overview
- ✚ ERP In-Memory Computing Overview
- ✚ ERP SAP HANA Features
- ✚ Look and feel of ERP SAP HANA
- ✚ ERP SAP HANA Architecture
- ✚ ERP SAP HANA Landscape
- ✚ Structure of ERP in-memory Computing studio
- ✚ Row store and column store Architecture
- ✚ Multi Version Currency Control ( MVCC )
- ✚ Persistence Layer in In-memory Computing Engine
- ✚ Back up & Recovery
- ✚ High-Availability
- ✚ Distributed System
- ✚ Data Provisioning options in ERP SAP HANA
- ✚ Reporting options on ERP SAP HANA
- ✚ Security options in HANA
- ✚ ERP SAP HANA Appliance Model
- ✚ How ERP SAP HANA Appliance is delivered
- ✚ Sizing Considerations
- ✚ ERP SAP HANA - Licensing Options
- ✚ ERP SAP HANA Project Implementation
- ✚ Overview: Key Activities
- ✚ Key Roles
- ✚ Key Points to keep in mind
- ✚ Administration

### Basic Modeling

- ✚ Modeling Overview

- ✚ Terminology
- ✚ ERP SAP HANA Studio Features
- ✚ Information Modeler Overview
- ✚ Installation and Configuration of HANA Studio
- ✚ Prerequisites for Modeling
- ✚ Modeling Considerations
- ✚ Levels of Modeling
- ✚ Attribute Views
- ✚ Analytic Views
- ✚ Modeling Considerations
- ✚ Joins: Different types and when to use what.
- ✚ Where Class Vs Constraint Filters
- ✚ HANA Studio Preview(use with Caution)
- ✚ Impact of Query Execution
- ✚ Demo
- ✚ Modeling Suggestions
- ✚ Troubleshooting Modeling Issues
- ✚ Export and Import Models

## Reporting on HANA with BI 4.0

- ✚ HANA Reporting Layer & Connectivity Options
- ✚ Reporting on HANA Clients
- ✚ Reporting on HANA Open Interfaces
- ✚ Prerequisites for reporting on ERP SAP HANA
- ✚ IMDB client installation
- ✚ Setting up new connection
- ✚ ERP 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
- ✚ ERP Business Object Analysis(Office Edition)
- ✚ ERP Business Object Explorer
- ✚ Semantic Layer Approach
- ✚ IDT Vs Universe Designer
- ✚ ERP BOBJ Web I
- ✚ ERP BOBJ Xcelsius
- ✚ ERP Crystal Reports
- ✚ Enterprise Vs 2011
- ✚ Front end tool reporting considerations on top of HANA
- ✚ Troubleshooting common reporting issues

## Advanced Data Modeling with SQL Script

- ✚ Modeling Overview
- ✚ Calculation View :Overview & Types
- ✚ SQL Script :Motivation

- ✚ SQL Script: Overview
- ✚ SQL Script Processing
- ✚ Data Type Extensions
- ✚ Scalar Data type
- ✚ Table type
- ✚ Functional Extension
- ✚ Concept
- ✚ Procedure
- ✚ Procedure Calls
- ✚ Implementing Functional logic
- ✚ Operators
- ✚ SQL Script/Built in Function
- ✚ Debugging and troubleshooting SQL Script
- ✚ Restrictions for SQL Statement

## Data Provisioning: Data Services

- ✚ Data Provisioning :Overview
- ✚ Data Provision Options
- ✚ Trigger Based Replication
- ✚ ETL-Based Replication
- ✚ Log-Based Replication
- ✚ ERP Business Objects Data Services 4.0 and HANA
- ✚ ODP enabled Extractor Support in Data Services 4.0
- ✚ HANA and Data Service Process flow for ERP and non-ERP data
- ✚ How it works for ERP System
- ✚ How it works for Non-ERP System
- ✚ Advanced Data Service options
- ✚ Column tables creation
- ✚ Bulk loader options & config
- ✚ Bulk extracting options & config
- ✚ Log based replication overview
- ✚ Technical system landscape
- ✚ User administration
- ✚ Authorization
- ✚ Installing log based replication
- ✚ Updating the ERP host agent on source system
- ✚ Installing Sybase components
- ✚ Deploying the ERP SAP HANA load controller and related components
- ✚ Configuring log based replication
- ✚ Configure ERP SAP HANA load controller on ERP SAP HANA system
- ✚ Initializing replication using ERP SAP HANA system
- ✚ Initializing replication using ERP SAP HANA load controller

## ERP SAP HANA 6: DATA PROVISIONING: ERP LANDSCAPE TRANSFORMATION (SLT)

- ✚ Data provisioning overview

- ✦ ERP 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
- ✦ Key benefits of LT replicating server
- ✦ Transformational capabilities
- ✦ Operations
- ✦ Security and user management in HANA
- ✦ Creation of users
- ✦ Creation of roles
- ✦ Assignment privileges to roles
- ✦ Assignment of users to roles



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**Visit:**[www.Webtrackker.com](http://www.Webtrackker.com)

**E-mail:**[info@webtrackker.com](mailto:info@webtrackker.com)

**Webtrackker Technology (P)Ltd  
c-67 Sector 63 Noida,India**

**F -1 Sector 3 (Near Sector  
16 metro station)Noida, India.**