

## SAP HANA Online Training Course Content :

### SAP HANA Studio

- Modeler
- Administration View
- Navigator
- System Monitor

### Architecture of SAP HANA

- Row Store
- Column Store
- Database engine of HANA
- Data modeling
- Reporting Architecture
- Administration

### Modeling in SAP HANA

- Create Attribute Views
- Design Analytical Views
- Create Calculation Views from multiple analytical Views
- Best Practices while Creating Information Models
- Performance Optimization techniques in SAP HANA
- Currency Conversion
- Variables in HANA
- Meta data import to SAP HANA Using SAP BODS
- Export Models
- Import Models
- SQL Script
- CE Functions
- Procedures
- Hierarchies – Level Based Hierarchies and Parent Child Hierarchies
- Restricted Measures & Calculated Measures & Calculated Attributes
- Joins in SAP HANA : Referential Join, Text Join, Inner Join, Right Outer Join & cardinalities
- Auto Documentation of Information Models

### Reporting

- Reporting SAP BI BO 4.0 Reporting Tools connectivity with SAP HANA
- IMCE Clients – ODBO , ODBC, JDBC, BICS
- Microsoft Excel 2010 Connection to HDB
- Create Universe through Information Design Tool using JDBC Connections.

- Web Intelligence Document on SAP HANA Universe.
- Design studio
- Lumira
- BO Analysis for Office
- BO Analysis for OLAP
- BO Explorer
- Crystal Reports for enterprise

#### **Data Provisioning or Data Loading**

- SAP LANDSCAPE Transformation – SLT
- SAP BODS Load to SAP HANA – ODP Enabled Data Sources
- SAP DXC – Direct Extractor Connection
- Flat File Upload to SAP HANA
- SAP BODS : Overview Data Services Workbench and Designer
- Creating Data store for ECC and HANA
- Create Data Services Job and Load the data to SAP HANA DB

#### **Administration in SAP HANA**

- Backup & recovery
- SAP HANA Studio Installation and Configuration
- Clients installation
- Create ODBC Connections
- Monitor HDB
- Multi Version Concurrency Control – MVCC
- IMDB Installation
- Distributed System Handling – Cold backup and Hot Backup
- Persistency Layer

#### **User Management & Security**

- Creating Users
- Creating Roles
- Assign privileges to Users/Roles
- Template Roles
- SQL Statements for user management
- Analytical Privileges, Package Privileges, System Privileges, SQL Privileges

#### **COPA Accelerator**

- COPA Overview COPA Reporting in HANA
- Architecture for CO – PA Accelerator , Use Case Scenarios , Scope
- DBSL – Database Shared Library Connection for HANA as secondary Database
- SLT Replication – SAP HANA Model

#### **SAP BW on HANA**

- Overview of SAP BW



- SAP BW Powered By HANA as database
- In Memory Optimized Info cube
- In Memory Optimized DSO
- Bex Report on SAP HANA Transient Provider
- SAP BW Composite provider on HANA model



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