

## **SAP HANA Online Training**

### **SAP HANA Introduction and Architecture**

- SAP HANA Overview
- SAP In-Memory Computing Overview
- SAP HANA Features
- Look and Feel of SAP HANA
- SAP HANA Architecture
- SAP HANA Landscape
- Structure of SAP in-memory computing studio
- Row Store and Column Store Architecture
- Multi Version Concurrency Control (MVCC)
- Persistence Layer in In-memory Computing Engine
- Back-up & Recovery
- High-Availability
- Distributed System
- Data Provisioning Options in SAP HANA
- Reporting Options on SAP HANA
- Security Options in HANA
- SAP HANA Appliance Model
- How SAP HANA Appliance is delivered
- • Sizing Considerations
- SAP HANA – Licensing Options
- SAP HANA Project Implementation
- Overview: Key Activities
- Key Roles
- Key points to keep in mind
- Administration
- Modeling

### **Basic Modeling**

- Modeling Overview
- Terminology
- 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
- Calculation Views
- Modeling Considerations
- Joins: Different types and when to use what.
- Where Clause Vs Constraint Filters
- HANA Studio Preview (use with caution)
- Impact of Query Execution
- Demo
- Modeling Suggestions
- Troubleshooting Modeling Issues
- Export and Import Models

### **Analytics Option on HANA**

- HANA, Reporting Layer & Connectivity Options
- Reporting on HANA Clients.
- Reporting on HANA Open Interfaces
- Prerequisites for reporting on SAP HANA
- IMDB client installation
- Setting up new connection
- SAP Business Objects BI 4.0 : Overview & tool comparison
- Analytical Reporting on HANA
- Relational Reporting on HANA
- Reporting on HANA: (Demo Included)
- Native Excel Interface via ODBO
- SAP Business Object Analysis (Office Edition)
- SAP Business Object Explorer
- Semantic Layer Approach
- IDT Vs Universe Designer
- SAP BOBJ WebI
- SAP BOBJ Xcelsius
- SAP 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 Statemen

## Data Provisioning: Data Services and Sybase Replication

- Data Provisioning: Overview
- Data Provision Options
- Trigger Based Replication
- ETL-Based Replication
  
- Log-Based Replication
- SAP Business Objects Data Services 4.0 and HANA
- ODP enabled Extractor Support in Data Services 4.0
- HANA and Data Service Process flow for SAP and non-SAP data
- How it [works](#) for SAP System
- How it works for Non-SAP 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 SAP Host Agent on Source System
- Installing Sybase Components
- Deploying the SAP HANA Load Controller and Related Components
- Configuring Log Based Replication
- Configuring Sybase Components
- Sybase Replication Server
- Enterprise Connect Data Access (ECDA)
- Sybase Replication Agent
- Test Sybase Components
- Configure SAP HANA Load Controller on SAP HANA System
- Initializing Replication using SAP HANA Load Controller

## SAP HANA 6: Data Provisioning : SAP LANDSCAPE TRANSFORMATION (SLT)

- Data Provisioning Overview
- SAP Landscape Transformation Set-up
- Options for SLT Landscape Installation
- Post Installation Step
- 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