

SAP HANA COURSE CONTENT

Week-1

INTRODUCTION TO SAP HANA

- Big Data
- Big Data Analytics
- Sap Hana Basic Concepts
- BASICS OF IN-MEMORY COMPUTING
- Row Storage
- Column Storage
- Aggregation
- Advantages and Disadvantages
- Data Persistence
- L1,L2 and Main Memory-Delta

Week-3

MULTIDIMENSIONAL MODELING

- Star Schema
- Master Data
- Attributes
- key figures/facts
- Dimensions
- Pivot tables

SAP HANA STUDIO-LOOK AND FEEL

- Interface views
- Perspectives
- Delivery unit
- Packages
- Schemas
- Model views

SQL-DDL/DML

- Create Schema
- Create table
- Insert/update data
- Create view
- Create Sequence
- Create synonym
- Create trigger
- SQL-PROCEDURAL STATEMENTS
- Create procedure
- Create functions

Week-2

HANA OVERVIEW

- Architecture
- Delivery model
- Hana Sizing
- Stand alone
- Database for SAP BI/BW
- SOFTWARE COMPONENTS AND REPLICATION METHODS
- Hana Client
- Hana Studio
- Hana Studio Repository
- Hana Landscape Management Structure
- Sap Host Agent
- Software Update Manager for Sap Hana
- Hana Unfiled Installer
- Data Replication Methods for Sap Hana-SLT, ETL, DXZ, Log Based
- SAP HANA USE CASES AND INTEGRATION SCENARIOS
- Basic use Case Scenarios
- Sap Hana as a Technology Platform
- Sap Hana for Operational Reporting
- Sap Products Running on Sap Hana
- Programming Techniques using Sap Hana

Week-4

- APPLICATION DEVELOPMENT
- Sap Hana Native Application Basics
- Sap Hana Application Development Tools
- PROJECT EXPLORER
- Database tasks
- Single file data load of CSVs
- Authorization
- Revisiting procedures
- Debugging
- EXPOSING AND CONSUMING DATA WITH O DATA
- Exposing and Consuming Data-Architecture
- SAP ui5
- Creating a user interface with Sap ui5
- Data Services
- Creating a simple o Data Service
- Creating a complex o Data Service

SAP HANA COURSE CONTENT

MODEL CREATION

- Attribute view
- Analytical view
- Use flat file
- Attribute view-2
- Analytical view-2
- Calculation view-graphical
- CE functions
- Decision table
- Calculation view-SQL SCRIPT
- USER
- Roles
- Analytical privileges

Week-5

EXPOSING AND CONSUMING DATA WITH SERVER-SIDE JAVASCRIPT

- Server-side java script(XSJS)v
- Creating an XSJS Service
- Extending the XSJS service
- Calling the XSJS from the UI
- Debugging XSJS
- REPORTING
- Excel
- Bo Explorer
- Universe creation-IDT
- WEBI report

REPLICATION

- SLT
- ETL-BODS

- Calling on O Data Service from The User Interface