

SAP HANA ADMIN COURSE CONTENT

Week-1

SAP HANA TECHNOLOGY OVERVIEW

- Introduction to SAP HANA
- SAP In-Memory Strategy
- HANA compare to BWA
- In-Memory Computing
- Hardware-Innovations
- Software-Innovations
- SAP HANA simplified Architecture
- SAP HANA Extended Architecture
- Business Intelligence Clients with HANA
- HANA Columnar Store
- SAP HANA row store vs Columnar Storage

SAP HANA VERSIONS

- HANA 1.0 SPS03
- HANA 1.0 SPS04—NEW Features
- HANA 1.0 SPS05—NEW Features
- HANA 1.0 SPS06—NEW Features
- HANA 1.0 SPS07—NEW Features
- HANA 1.0 SPS08—NEW Features
- HANA 1.0 SPS09—NEW Features

SAP HANA EDITIONS

- SAP HANA Platform Edition
- SAP HANA Enterprise Edition
- SAP HANA Enterprise Extended Edition

SAP HANA SIZING

- SAP HANA In-Memory Database Sizing elements
- RAM, Disk, CPU
- Memory Sizing
- CPU Sizing

Week-2

SAP HANA PRE AND POST INSTALLATIONS

- Preparing SAP HANA Installation
- Reviewing SAP HANA Installation
- Post-Installation steps

LOOK AND FEEL

- In-Memory Computing Studio
- Administration view
- Navigator View
- System Monitor
- Information Modeler

ARCHITECTURE

- Architecture Overview
- IMCE and Surroundings
- Row Store
- Column Store
- Loading data into HANA
- Data Modeling
- Persistent Layer
- Backup & Recovery

SAP HANA HARDWARE AND SOFTWARE REQUIREMENTS

- Prepare Installation parameters
- Users created during Installation
- Required Installation media
- Prepare Installer Configuration file

INSTALLING SAP HANA

- SAP HANA unified Installer Tool
- Unified Installer to install the Sap HANA SERVER

SAP HANA ADMIN COURSE CONTENT

- SAP HANA Scale Out

Week-3

INSTALL HANA STUDIO

- System Requirements
- Supported Platforms
- Install SAP HANA Studio

POST-INSTALLATION STEPS

- Starting and Stopping SAP HANA System
- Displaying Process List
- Logging on to HANA system using HANA studio
- User Security
- Monitoring HANA Landscape

SAP HANA OPERATION

- Starting & Stopping SAP HANA
- Starting SAP HANA Database
- Stopping SAP HANA Database
- Displaying Process List
- Monitoring HANA Landscape
- Periodic Manual Tasks

DATA PROVISIONING USING SLT

- Positioning and benefit of SLT for SAP HANA
- Key benefits of Trigger-Based Approach
- Architecture and building Blocks
- Architecture for SAP Source Replication
- Architecture for NON-SAP Source Replication
- Set-up of LT replication server
- Installation Aspects
- Configuration Steps for SLT replication server
- Setup Data Replication
- Database-Supportability
- Landscape strategy of SLT replication server

- Components installed by Installer
- Command based Installation
- GUI based Installation

SAP HANA TOOL OVERVIEW

- SAP HANA Studio
- DBA Cockpit
- HDBSQL Command Line Tool

Week-4

MAINTAINING USERS & AUTHORIZATIONS (SAPHANA SECURITY)

- Create Users
- User and Role Concept
- Creating Roles
- Assigning Privileges to Roles
- Privileges
- SQL Privileges
- System Privileges
- Analytic Privileges
- Reporting and Privileges
- Modeling required Privileges

SAP HANA DB BACKUP AND RECOVERY

- System Configuration Parameters
- Monitoring and system state parameters
- Backup & Recovery SAP HANA
- Need of Backup
- Backup Types
- Data Backup
- Log Backup
- Recovery Options
- Recovery in Replication Scenarios
- Backup to External Backup Destinations

SAP HANA ADMIN COURSE CONTENT

- SLT replication server Installation Options
- Technical Requirements and system setup

INFORMATION

- Configuring HANA Studio for importing Metadata
- Importing Metadata
- Mass Import
- Selective Import
- Load Data Via Data services into SAP HANA

SAP HANA DIRECT EXTRACTOR CONFIGURATION

- Introduction to SAP HANA Direct Extractor

CONNECTION (DXC)

- Limitations of DXC
- Setup and Configurations
- Enabling Services
- HTTP Connection
- Test Connection

Week-5

MONITORING AND TROUBLESHOOTING

- Configuring Remote Support
- Solution Manager Integration
- Remote Service Connection
- Availability Monitoring
- Setting up Monitoring
- System Monitoring Setup
- Status Overview
- Services Overview
- System Load History
- Disk Usage Details
- Checking System Configuration
- Alerts

SAP HANA LOGS & TRACES

- Recovery Scenarios
- Power Failure
- Disk Failure



ONLINE SAP TRAINERS

SAP HANA ADMIN COURSE CONTENT

- Regular administration tasks
- Troubleshooting
- Analyzing performance
- Auditing SAP HANA
- Global Audit Configuration
- Manage Audit Policies
- Audit Events
- Audit Trail

**UPDATING SAP HANA STUDIO
SOFTWARE LIFECYCLE MANAGEMENT**