

SAP HANA COURSE CONTENT

Unit 1) SAP HANA Overview

- Introduction to SAP HANA
- In-Memory Strategy
- SAP HANA components
- SAP HANA Architecture
- SAP HANA versions
- SAP HANA Editions
- Installation of Hana Systems on ERP, CRM, SRM, SCM and NetWeaver 7.4
- SAP HANA Landscape

Unit 2) SAP HANA Sizing

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

Unit 3: SAP HANA Installation

- Prerequisites for SAP HANA installation
- Verify Hardware and Operation System
- SAP HANA Server Installation
- SAP HANA Studio Installation
- SAP HANA Client Installation

Unit 4: SAP HANA Administration Tool Overview

SAP HANA Studio

- DBA Cockpit
- HDBSQL Command Line Tool

Unit 5) System Administration

Starting and Stopping SAP HANA Systems

- Start a System
- Stop a System
- Restart a System
- Stop and Start a Database Service
- Monitoring SAP HANA Systems During Stop and Start

Unit 6) Setting Up and Configuring Multitenant Database Containers

- Convert an SAP HANA System to Support Multitenant Database Containers
- Create a Tenant Database
- Adding Single and Multitenant Databases to Hana Studio
- Stop and Start a Tenant Database
- Drop a Tenant Database
- Managing Resources in Multiple-Container Systems
- Migrated Statistics Server into Embedded Statistics Server
- System Views in Multiple-Container Systems

Unit 7) Managing SAP HANA Licenses

- License Keys
- Check the Current License Key
- Install a Permanent License
- Delete an Existing Permanent License Key

Unit 8) Managing Tables

- Column-Based and Row-Based Storage in the SAP HANA Database
- Memory
- Management in the Column Store
- The Delta Merge Operation
- Data Compression in the Column Store
- Opening Tables and Views

- Converted Row Store Tables to Column Store tables
- Viewing Options for Tables and Views
- Export Tables and Other catalog Objects
- Import Tables and Other catalog Objects
- Database Save Points

Unit 9) SAP HANA Pre & Post Installation

- Preparing HANA Installation
- Further Function on SAP HANA On-site configuration Tool
- Post-Installation Steps

Unit 10) SAP HANA Operation

Starting and stopping SAP HANA

- Configuring SAP HANA
- Periodic and Manual Tasks

Unit 11) Backup & Recovery

- Concept of Backup and Recovery
- Configure backup settings
- Data area Backup
- Log area Backup
- Backup of configuration files and Backup catalog
- Backup up of Tenant databases
- Recovery

Unit 12) Maintaining Users and Authorization

- Users management
- Types of privileges
- Roles
- Assigning Role to User
- Assigning Privileges to Roles
- System privileges

- SQL privileges
- Package privileges
- Granted role privileges
- Object privileges

Unit 13) Monitoring and Troubleshooting

- Monitoring with SAP HAN Studio
- Monitoring with DBACOKPIT
- Monitoring HANA Landscape
- System Monitoring
- Status Overview
- Services Overview
- System Load History
- Disk Usage Details
- Checking System Configuration
- Alerts

Unit 14) SAP HANA Lifecycle Management

- SAP HANA Platform Lifecycle Management
- SAP HANA Application Lifecycle Management

Unit 15) Advanced HANA

- SAP HANA System Copy
- SAP HANA System Migrations
- SAP HANA Database Upgrade from SP9 to SP10 to SP11
- SAP HANA Addon Deployment