

SAP HANA Administration

SAP HANA Administration Course

Outline

SAP HANA Introduction

- Introduction to SAP HANA
- SAP HANA Information Sources
- Revision strategy of SAP HANA

Preparing Installation

- Sizing of SAP HANA
- Requirements

Installation

- Installation with SAP HANA Lifecycle Management
- Tools
- Performing a Distributed System Installation

Post Installation

- Post-Installation Steps
- Updating SAP HANA

Migration to SAP HANA

- Migration to SAP HANA using DMO

Architecture and Scenarios

- SAP HANA Memory Management & Data Persistence

- Optional Transaction Management and Concurrency Control
- Software Packaging
- SAP HANA Roadmap and Scenarios
- Deployment Options

Admin Tools for SAP HANA

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

Operations

- Starting and Stopping SAP HANA
- Configuring SAP HANA
- SAP HANA Table Administration
- Periodic Tasks
- Transporting Changes
- Backup and Recovery
- Concept of Backup and Recovery
- Data Area Backup
- Log Area Backup
- Additional Backup Topics
- Recovery
- Backup and Recovery using Storage
- Snapshot
- Database Copy

Monitoring and Troubleshooting

- Configuring Traces
- Working with Diagnosis Information & Diagnosis Files
- SQL Console
- Query Analysis
- Monitoring with SAP Solution Manager

SAP HANA Administration

- Remote Support
- SAP Early Watch Alert

Security

- Security Overview
- Authentication and Authorization

Maintaining Users and Authorization

- User Management
- Types of Privileges
- Roles
- Administrative Tasks
- Information Sources for Administrators

High Availability and Disaster Tolerance

- Continuous Availability
- High Availability
- SAP HANA Scale Out
- Disaster Recovery

- Experience in managing users and roles in SAP HANA system.
- Implementing SAP HANA Table management techniques - data compression, table partition, compression techniques, and load/unload table into memory.
- HANA Installation, Data Provisioning, Admin, Modelling.
- SAP BusinessObjects and HANA integration, Design document, RFPs, and estimation plans.
- Experience with high availability and backup mechanism.
- Implementing SAP HANA Security mechanism, HANA XS Application service, and monitoring of HANA system.

(Each Topic Will Have Real-time Exercise)

Duration 25 Hours.

Roles & responsibility of HANA Admin.

- Integration of SAP HANA into different remote systems. Exposure to different remote access options in HANA system.
- Experience in monitoring, tuning, and troubleshooting of SAP HANA systems.
- HANA system administration using SAP HANA Cockpit and HANA Studio.