

# TADM55 - SAP HANA - Installing and Administering

## Course Description:

This course provides an in-depth understanding of the key capabilities of SAP HANA database system administration. Through a combination of lectures and hands-on exercises, participants will learn how to install, update, and operate an SAP HANA 2.0 database using SAP HANA cockpit 2.0. The course covers essential administration tasks, including starting and stopping the system, changing configuration parameters, monitoring the database, performing backups and recovery, and troubleshooting within a multitenant SAP HANA environment. Participants will also gain knowledge in SAP HANA security, user authorizations, and database maintenance.

## Audience Profile:

This course is intended for:

- Database Administrators
- Help Desk/CoE Support personnel
- System Administrators
- Technology Consultants

## Prerequisites:

### Essential:

- None

### Recommended:

- HA100: Introduction to SAP HANA
- Basic experience with the Linux operating system
- Basic experience in database administration

## Course Objectives:

Upon completion of this course, participants will be able to:

- Install, update, and configure an SAP HANA 2.0 database system.
- Install, update, and configure SAP HANA cockpit 2.0.
- Perform system administration tasks in a multitenant SAP HANA 2.0 environment using SAP HANA cockpit 2.0.
- Start, stop, and troubleshoot SAP HANA 2.0 database systems.
- Backup and recover multitenant SAP HANA 2.0 databases.
- Manage SAP HANA security and user authorizations.

## **Table of Contents:**

- 1. SAP HANA Introduction**
  - Overview of SAP HANA
  - Key capabilities and components
- 2. Installation Sizing and OS Preparations**
  - Prerequisites and hardware considerations
  - Operating system setup
- 3. SAP HANA Installation and Upgrade of a Multitenant Database**
  - Installation steps for SAP HANA 2.0
  - Database upgrades
- 4. SAP HANA Architecture and Deployment Options**
  - Overview of SAP HANA architecture
  - Deployment scenarios and use cases
- 5. SAP HANA Cockpit 2.0 Installation and Configuration**
  - Installation and initial configuration of SAP HANA cockpit
  - Administrative features in cockpit
- 6. SAP HANA Administration Tools**
  - Overview of tools for administration
  - SAP HANA Studio and HDBSQL
- 7. Post Installation Steps**
  - Initial configuration and setup
  - System validation
- 8. Database Administration Tasks Using SAP HANA Cockpit 2.0**
  - Starting and stopping the database
  - Monitoring and performance optimization
- 9. Backup and Recovery Using SAP HANA Cockpit 2.0**
  - Backup strategies and configurations
  - Recovery processes and options

## **10. SAP HANA Security**

- Security architecture and concepts
- User management and authorizations

## **11. User and Authorizations**

- Managing users and roles
- Assigning privileges and monitoring access