

SAP S/4HANA – Technical Implementation and Operations: Build/Implement

(SAP S/4HANA System Administration)

Course Description

This course is a consolidated and intensive program built from four key SAP official trainings—SAPTEC, TADM10, TADM12, and HA200. It equips participants with the technical knowledge and hands-on skills required to implement, operate, configure, and administer SAP S/4HANA systems and SAP HANA 2.0 SPS07 database environments. Participants will work across topics such as system architecture, user and authorization management, SAP Fiori setup, transport management, SAP HANA installation, backup/recovery, and security.

Certification Preparation

This course **prepares you for the official SAP Certification:**

SAP Certified Technology Associate – SAP S/4HANA System Administration

Certification Code: C_TADM_23x

Audience Profile

- System Administrators
 - SAP Basis Consultants
 - Technology Consultants
 - Implementation and Operations Engineers
 - IT Infrastructure Professionals involved in SAP Landscape
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Prerequisites

Essential: None

Recommended: General understanding of IT infrastructure, operating systems (Linux/Windows), and databases

Course Objectives

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

- Navigate and interact with SAP systems using GUI, Web Client, and SAP Fiori
- Understand and describe SAP system architecture including AS ABAP, AS Java, and HANA
- Configure user management and authorizations in SAP systems
- Administer transport management and client strategy
- Plan and execute SAP S/4HANA and SAP Solution Manager installations
- Perform SAP HANA sizing, installation, and configuration
- Monitor SAP systems using SAP HANA Cockpit and administrative tools
- Handle SAP HANA database backup, recovery, and revision strategies
- Manage SAP HANA security, auditing, and user authorizations
- Gain hands-on experience with key lifecycle management tools

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SAPTEC – Technology Fundamentals of SAP S/4HANA and SAP Business Suite

- Unit 1: SAP Strategic Overview
- Unit 2: SAP Systems Architecture
- Unit 3: SAP Navigation (GUI, Fiori, Business Client)
- Unit 4: SAP System Kernel (ABAP & Java Stack)
- Unit 5: Software Development and Transport in SAP
- Unit 6: Communication & Integration Technologies
- Unit 7: Application Lifecycle Management
- Unit 8: SAP Maintenance and Release Strategy
- Unit 9: SAP Online Resources (SAP for Me, SAP Help Portal, Roadmap Explorer, etc.)

TADM10 – Technical Implementation and Operation I

- SAP Portfolio and Navigation
- SAP System Kernel and Software Development
- User and Authorization Management
- Communication Technologies and SAP Gateway
- SAP Fiori Infrastructure and App Deployment
- System Monitoring, Configuration, and Troubleshooting
- Starting and Stopping SAP Systems
- SAPconnect and SMTP Configuration

TADM12 – Technical Implementation and Operation II

- Application Lifecycle Management Deep Dive
- Transport Management System (TMS) Configuration
- SAP System Landscape and Client Strategy
- Customizing and Development Transport Workflows
- SAP Note Assistant, Support Packages, Upgrades
- Client Copy and Maintenance
- AS ABAP + AS Java-based SAP System Processes
- SAP S/4HANA & Solution Manager Installation (ABAP/Java)
- Software Update Manager (SUM) Scenarios
- Enqueue Replication Server (ERS), Printing, Background Jobs

HA200 – SAP HANA 2.0 SPS07 Installation and Administration

- Unit 1: Discovering SAP HANA and In-Memory Computing
- Unit 2: Sizing, Hardware, OS, and Installation Preparation
- Unit 3: SAP HANA Installation & Deployment Options
- Unit 4: SAP HANA Cockpit – Installation and Configuration
- Unit 5: Post-Installation and System Update Tasks
- Unit 6: Database Explorer and SQL Console

- Unit 7: Monitoring SAP HANA Services and Alerts
- Unit 8: Administering SAP HANA – Traces, Config, Delta Merge
- Unit 9: Backup and Recovery Scenarios
- Unit 10: SAP HANA Security (Encryption, Auditing)
- Unit 11: SAP HANA User and Authorization Management
- Unit 12: Understanding SAP ABAP on HANA