SAP BASIS

Comprehensive Technical Implementation and Administration of SAP S/4HANA, SAP Business Suite, and SAP HANA

Course Description:
This course provides a comprehensive understanding of the technical implementation, operation, and administration of SAP S/4HANA, SAP Business Suite, and SAP HANA systems. It covers essential topics ranging from SAP system configuration, user and authorization management, SAP Fiori implementation, and monitoring to advanced system administration concepts such as transport management, system updates, and SAP HANA database administration. With a focus on hands-on experience, participants will be equipped to handle both SAP BASIS tasks and advanced SAP HANA administration.

Audience Profile:

- System Administrators

- Technology Consultants

- Database Administrators

- Help Desk/CoE Support Personnel

Prerequisites:

- Essential: None

- Recommended: TADM10 (Technical Implementation and Operation I of SAP S/4HANA and SAP Business Suite) or equivalent knowledge

- HA100: Introduction to SAP HANA

- Basic experience with Linux and database administration

Course Objectives:
By the end of this course, participants will be able to:

- Use front-end tools to navigate in SAP systems.

- Understand and manage SAP kernel processes.

- Configure and maintain SAP systems for technical operations.

- Implement and configure SAP Fiori applications.

- Manage users and authorizations.

- Start, stop, and configure SAP systems.

- Configure HTTP-based communication components such as SAPconnect and SMTP.

- Monitor and troubleshoot SAP system performance.

- Configure the Transport Management System (TMS) and handle system updates using Software Update Manager (SUM).

- Administer SAP HANA systems, including installation, configuration, and backup/recovery in a multitenant environment.

- Manage SAP HANA security and user authorizations.

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Part 1: SAP S/4HANA and SAP Business Suite Implementation and Operation (TADM10)

Part 2: Advanced SAP System Administration (TADM12)

1. Introduction to Application Lifecycle Management

2. Setting up the Transport Management System (TMS)

3. SAP System Landscape and Client Concept

4. Creating, Exporting, and Importing Transport Requests

5. Customizing and Customizing Projects

6. Transport Requests for Development

7. Modifying SAP Objects

8. Imports Using TMS

9. QA Approval Procedure, Transport Proposals, and Monitoring Tools

10. SAP Note Assistant, SAP Support Packages, SAP System Upgrades

11. Client Copy and Client Transport Tools

12. Client Compare and Client Maintenance Tools

13. Processes of AS ABAP- and AS Java-based SAP Systems

14. SAP S/4HANA Installation

15. SAP Solution Manager ABAP Installation

16. SAP Solution Manager Java Installation

17. Post-installation Activities

18. Updating SAP S/4HANA Server using SUM

19. Updating SAP Solution Manager ABAP using SUM

20. Updating SAP Solution Manager Java using SUM

21. Installation of Additional Instances

22. Installation Planning and Preparation

23. Managing an Enqueue Replication Server (ERS)

24. Printing and Background Processing

Part 3: SAP HANA Administration (TADM55)

1. SAP HANA Introduction

   o Overview of SAP HANA

   o Key Capabilities and Components

2. Installation Sizing and OS Preparations

   o Prerequisites and Hardware Considerations

   o Operating System Setup

3. SAP HANA Installation and Upgrade of a Multitenant Database

   o Installation Steps for SAP HANA 2.0

   o Database Upgrades

4. SAP HANA Architecture and Deployment Options

   o Overview of SAP HANA Architecture

   o Deployment Scenarios and Use Cases

5. SAP HANA Cockpit 2.0 Installation and Configuration

   o Installation and Initial Configuration of SAP HANA Cockpit

   o Administrative Features in Cockpit

6. SAP HANA Administration Tools

   o Overview of Tools for Administration

   o SAP HANA Studio and HDBSQL

7. Post Installation Steps

   o Initial Configuration and Setup

   o System Validation

8. Database Administration Tasks Using SAP HANA Cockpit 2.0

   o Starting and Stopping the Database

   o Monitoring and Performance Optimization

9. Backup and Recovery Using SAP HANA Cockpit 2.0

   o Backup Strategies and Configurations

   o 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