

# **SAP System Security Fundamentals (ADM900) and Authorization Concepts for SAP S/4HANA and SAP Business Suite (AMD940)**

## **Course Description:**

This comprehensive course provides fundamental knowledge and skills required to secure SAP systems and manage authorizations for SAP S/4HANA and SAP Business Suite. You will learn about SAP security fundamentals, access governance, and infrastructure security. Additionally, you will gain in-depth knowledge of the authorization concept, covering role maintenance, user administration, and the necessary tools and strategies for effective authorization management. The course includes hands-on labs and practical exercises to ensure participants are prepared to implement security and authorization concepts in real-world environments.

## **Audience Profile:**

- System Security Administrators
- Security Architects
- Technology Consultants
- Application Consultants
- Business Process Architects
- Business Process Owners / Team Leads / Power Users
- System Administrators

## **Prerequisites:**

### **Essential:**

- None for SAP System Security Fundamentals
- For Authorization Concepts:
  - SAPTEC (Technology Fundamentals for SAP S/4HANA and SAP Business Suite) or equivalent experience
  - SAP01 (SAP Overview) or relevant experience in using an SAP system

### **Recommended:**

- SAPTEC for an understanding of technical fundamentals.
- Experience in using SAP systems or familiarity with at least one SAP application area.

**Course Objectives:**

Upon completing this course, you will be able to:

- Understand the fundamentals of SAP System Security.
- Gain an overview of SAP security products and tools.
- Learn how to implement user and role administration for SAP systems.
- Explore key concepts for securing SAP infrastructure and applications.
- Understand and apply SAP's authorization concepts for SAP S/4HANA and SAP Business Suite.
- Create and assign authorizations using role maintenance.
- Troubleshoot and manage authorization-related issues effectively.

**Course Outline:****Module 1: SAP System Security Fundamentals**

- Introduction to SAP Security
- Overview of Security Fundamentals
- SAP Access Governance and Control
- Introduction to SAP Access Governance
- SAP NetWeaver Application Security Overview

**Module 2: User and Role Administration for AS ABAP**

- Basic User Administration for AS ABAP
- Basic Role Administration for AS ABAP
- SAP Fiori Catalog and Group Administration Concept

**Module 3: Security Overview for AS JAVA and Custom Developments**

- AS JAVA Security
- Custom Development and Security

**Module 4: SAP Access Governance and Compliance**

- SAP Access Governance Overview
- SAP GRC Access Control
- SAP Identity Management

- SAP Cloud Identity Access Governance

#### **Module 5: Infrastructure Security**

- Explaining Network Topology
- Secure Network Communication (SNC)
- Secure Sockets Layer (SSL)
- Single Sign-On (SSO) Implementation in SAP Systems

#### **Module 6: SAP Business Technology Platform (BTP) Security**

- High-Level Introduction to SAP BTP Security
- SAP BTP User and Authorization Management
- Overview of Security Monitoring with SAP Solution Manager

#### **Module 7: Authorization Concepts for SAP S/4HANA and SAP Business Suite**

- Understanding Authorizations in General
- Creating and Implementing an Authorization Concept
- Basic Terminology and Elements of the Authorization Concept (AS ABAP)
- Authorization Checks in SAP Systems

#### **Module 8: User and Role Maintenance**

- Role Maintenance and Standard Roles
- Special ABAP Roles and Authorization Maintenance
- Evaluating User Data and Using Traces for Role Adjustments

#### **Module 9: Transporting and Troubleshooting Authorizations**

- Transporting Authorization Components
- Using Trace Evaluation for Authorization Maintenance
- Troubleshooting Authorization Issues

#### **Module 10: Access Control and Integration**

- Integration into the Company Landscape
- Central User Administration (CUA)
- SAP NetWeaver Identity Management

#### **Module 11: Security Monitoring and Compliance**

- Monitoring Security with SAP Solution Manager

- SAP Data Privacy Governance and Cybersecurity
- SAP Support for GDPR Compliance
- Overview of SAP Security Products and Tools