

SAP Associate – Security Administrator (C_SEC_2405)

Course Description

This certification-oriented course equips participants with the essential skills and knowledge required to secure and manage SAP systems across on-premises, private cloud, and public cloud environments. Covering SAP authorization, governance, infrastructure security, and identity management, the course provides a deep understanding of how to safeguard SAP landscapes including **SAP S/4HANA**, **SAP Business Technology Platform (BTP)**, and **SAP Cloud Identity Services**. Learners will gain practical experience in configuring user and role management, securing communications, implementing single sign-on, and managing compliance through SAP Access Governance and GRC tools.

The course prepares candidates to pass the **SAP Certified Associate – Security Administrator (C_SEC_2405)** exam and to contribute effectively as part of an SAP project or security team.

Audience Profile

This course is ideal for:

- SAP System Administrators and Security Consultants responsible for user and role management.
 - Governance, Risk, and Compliance (GRC) specialists.
 - SAP Basis and BTP Administrators seeking to enhance system security expertise.
 - IT Professionals responsible for SAP infrastructure, authentication, and compliance management.
 - Security Administrators involved in protecting SAP cloud and hybrid landscapes.
-

Prerequisites

Participants should have:

- Basic understanding of SAP systems and business processes.

- Familiarity with SAP Basis or system administration concepts.
 - Optional: Experience with SAP BTP, Identity Management, or Fiori environments.
-

Course Objectives

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

1. Understand SAP security fundamentals and architecture across cloud and on-premise systems.
 2. Implement authorization concepts for **SAP S/4HANA, Fiori, and BTP**.
 3. Configure and manage users, roles, and profiles using standard SAP tools.
 4. Secure SAP communication channels using **SSL, SNC, and SSO** mechanisms.
 5. Manage governance, compliance, and cybersecurity using SAP GRC and related tools.
 6. Monitor and maintain security posture using **SAP Solution Manager**.
 7. Administer SAP Cloud Identity Services for authentication and provisioning.
 8. Apply GDPR and data privacy best practices in SAP environments.
-

Table of Contents (TOC)

Module 1: Overview of SAP Security Fundamentals

- Introduction to SAP Access Governance and Control
 - Overview of SAP System Security
 - SAP NetWeaver Application Security Concepts
 - Understanding SAP User Experience and Security Implications
 - Custom Development and Security Considerations
-

Module 2: SAP Authorization Concepts and Role Maintenance

- Understanding Authorizations and Authorization Checks
- Elements of the Authorization Concept (AS ABAP)

- Creating and Implementing an Authorization Concept
 - Role Maintenance and Standard Roles
 - Special ABAP Roles and Subtleties of Role Maintenance
 - Transporting Authorizations and Components
 - Exercises: Role creation, assignment, and transport
-

Module 3: User Administration in SAP Systems

- Maintaining and Evaluating User Data
 - Business User Concept in S/4HANA
 - Using Traces and Troubleshooting Authorization Issues
 - Central User Administration (CUA) and Integration into Company Landscape
 - Exercise: Configuring and managing users and groups
-

Module 4: SAP Fiori Authorization and Security

- Introduction to SAP Fiori Authorization Concept
 - Managing Fiori Catalogs, Groups, and Roles
 - Tools for Implementing SAP Fiori Applications
 - Authorization Concept for ABAP Core Data Services (CDS)
 - Analyzing and Transporting Authorizations in Fiori
 - Integration Scenarios for Fiori Authorizations
-

Module 5: Infrastructure Security and Authentication

- Understanding Network Topology in SAP Landscapes
- Enabling Secure Network Communication (SNC) and SSL
- Implementing Single Sign-On (SSO) in SAP Systems
- Configuring Authentication and Encryption Protocols

- Exercise: Configuring SSO using SAP Authentication Services
-

Module 6: SAP Cloud and Identity Management

- Overview of SAP Cloud Identity Services
 - Identity Authentication Service (IAS)
 - Identity Provisioning Service (IPS)
 - SAP Identity Management for Hybrid Environments
 - Integration Scenarios between On-Premise and Cloud Systems
 - Exercise: User provisioning via SAP Cloud Identity
-

Module 7: SAP Business Technology Platform (BTP) Security

- Introduction to SAP BTP and Its Security Architecture
 - BTP User and Authorization Management
 - Configuring Hybrid Connectivity via SAP Cloud Connector
 - Authentication Options in BTP Applications
 - Secure Cloud Integration Using BTP Services
 - Exercise: Configure connectivity and secure access in BTP
-

Module 8: SAP Access Governance and Compliance

- Introduction to SAP Access Governance Concepts
 - Overview of SAP GRC Access Control
 - Managing Access Risk Analysis and Mitigation Controls
 - SAP Cloud Identity Access Governance
 - Role-Based Access Control (RBAC) and Policy Frameworks
 - Exercise: Configuring GRC Access Requests and Workflows
-

Module 9: Data Privacy and Cybersecurity in SAP

- Overview of SAP Data Privacy Governance
 - Understanding EU GDPR and Compliance Requirements
 - Implementing Security Policies and Audit Controls
 - Cybersecurity Best Practices for SAP Environments
 - Exercise: Enabling audit and logging features for compliance
-

Module 10: Security Monitoring and Operations

- Introduction to Security Monitoring in SAP Solution Manager
 - Configuring and Using Security Dashboards
 - Detecting and Responding to Security Events
 - Continuous Security Management and Optimization
-

Module 11: Exam Preparation and Certification Guidance

- Review of Key Exam Domains (ADM900, ADM940, ADM945, SECCL1, SECCL2, HAHC94)
 - Sample Questions and Practice Scenarios
 - Exam Readiness Checklist and Tips for C_SEC_2405
-