

SAP S4 HANA Security Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

SAP S/4HANA Security Training by Multisoft Systems is designed to equip professionals with the knowledge and practical skills required to secure SAP S/4HANA environments effectively. As organizations increasingly adopt SAP S/4HANA for digital transformation, ensuring proper user access, authorization control, and regulatory compliance has become a critical business requirement.

Module 1: Introduction to SAP S/4HANA Security

- ✓ Overview of SAP S/4HANA Security
- ✓ SAP ECC vs SAP S/4HANA Security
- ✓ SAP Security Architecture
- ✓ Security Layers in SAP Systems
- ✓ User Authentication Concepts
- ✓ Authorization Concepts
- ✓ SAP GUI and Fiori Security Overview
- ✓ SAP Security Best Practices

Module 2: SAP User Administration

- ✓ User Types in SAP
- ✓ User Creation and Maintenance (SU01)
- ✓ Password Policies and Security Parameters
- ✓ User Groups and User Administration
- ✓ Mass User Maintenance
- ✓ Reference and Service Users
- ✓ User Information System (SUIM)
- ✓ User Locking and Unlocking

Module 3: Authorization Concepts

- ✓ Authorization Objects and Fields
- ✓ Profiles and Roles Overview
- ✓ Single Roles and Composite Roles
- ✓ Derived Roles Concept
- ✓ Organizational Level Restrictions
- ✓ Transaction Code Security
- ✓ Authorization Check Process
- ✓ Role-Based Access Control

Module 4: PFCG Role Administration

- ✓ Introduction to PFCG
- ✓ Creating Single Roles
- ✓ Maintaining Authorization Data
- ✓ Generating Authorization Profiles
- ✓ Composite and Derived Role Creation
- ✓ Role Transport Management
- ✓ Role Testing and Troubleshooting
- ✓ Role Naming Standards and Best Practices

Module 5: SAP Fiori Security

- ✓ SAP Fiori Architecture Overview
- ✓ Fiori Front-End and Back-End Security
- ✓ Catalogs, Groups, and Spaces
- ✓ Tile and Target Mapping
- ✓ OData Service Authorization
- ✓ Fiori Launchpad Security
- ✓ Fiori Role Design
- ✓ Troubleshooting Fiori Authorization Issues

Module 6: SAP HANA Database Security

- ✓ Introduction to SAP HANA Security
- ✓ HANA User and Role Management
- ✓ SQL and Object Privileges
- ✓ Analytic Privileges
- ✓ Audit Policies in SAP HANA
- ✓ Data Encryption Concepts
- ✓ Secure Database Authentication
- ✓ HANA Security Best Practices

Module 7: SAP GRC Access Control Overview

- ✓ Introduction to SAP GRC
- ✓ Access Risk Analysis (ARA)
- ✓ Emergency Access Management (EAM)
- ✓ Segregation of Duties (SoD) Concepts
- ✓ Firefighter ID Management
- ✓ Compliance Monitoring
- ✓ Access Request Management Overview
- ✓ Audit and Compliance Reporting

Module 8: Security Auditing and Troubleshooting

- ✓ Authorization Trace Using SU53 and ST01
- ✓ SAP Security Audit Logs
- ✓ Monitoring User Activities
- ✓ Critical Authorization Monitoring
- ✓ Common Authorization Errors
- ✓ Debugging Authorization Issues
- ✓ Fiori Access Troubleshooting
- ✓ Security Incident Handling

Module 9: Identity and Access Management

- ✓ Identity Management Concepts
- ✓ Single Sign-On (SSO) Overview
- ✓ LDAP and Active Directory Integration
- ✓ Multi-Factor Authentication (MFA)
- ✓ SAP Identity Authentication Services
- ✓ User Provisioning and De-Provisioning
- ✓ User Lifecycle Management
- ✓ Secure Access Management

Module 10: Real-Time Projects and Hands-on Exercises

- ✓ Create and Maintain SAP Users
- ✓ Build Single and Composite Roles
- ✓ Configure Fiori Catalogs and Groups
- ✓ Perform Authorization Tracing
- ✓ Configure SAP HANA Privileges
- ✓ Simulate SoD Conflict Analysis
- ✓ Troubleshoot Real-Time Authorization Issues
- ✓ Production Support Scenarios

Module 11: Migration Security Considerations

- ✓ Security Challenges During ECC to S/4HANA Migration
- ✓ Role Conversion Strategies
- ✓ Fiori Migration Security
- ✓ Simplification Item Security Impact
- ✓ Custom Transaction Security
- ✓ HANA Migration Security Checks
- ✓ Data Protection During Migration
- ✓ Post-Migration Security Validation

Module 12: SAP Security Best Practices

- ✓ Role Design Best Practices
- ✓ Security Governance Framework
- ✓ Naming Standards and Documentation
- ✓ Minimizing Authorization Risks
- ✓ Compliance and Regulatory Standards
- ✓ Periodic User Review Process
- ✓ SAP Security Hardening Techniques
- ✓ Secure SAP System Configuration

Module 13: Business Scenarios and Case Studies

- ✓ End-to-End Role Design Scenario
- ✓ SAP Fiori Security Implementation Scenario
- ✓ SoD Conflict Analysis Case Study
- ✓ User Administration Use Cases
- ✓ SAP Audit Preparation Exercise
- ✓ SAP HANA Security Configuration Scenario
- ✓ Production Support Activities
- ✓ Enterprise Security Workflow Examples

Module 14: DevOps and Security Administration

- ✓ Background Job Security
- ✓ RFC Security Concepts
- ✓ Transport Management Security
- ✓ SAP router Security Overview
- ✓ SNC (Secure Network Communication)
- ✓ SAP Kernel Security Concepts
- ✓ Secure System Administration