

SAP BTP Security

COURSE CONTENT

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About Multisoft

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About Course

SAP BTP Security Training provides professionals with the expertise required to secure SAP Business Technology Platform environments through effective identity management, authentication, authorization, trust configuration, secure connectivity, and governance. The course covers enterprise security administration, role management, compliance, monitoring, and security best practices. Through practical implementation and real-world enterprise scenarios, participants develop the skills needed to build and maintain secure SAP BTP landscapes.

Module 1: SAP BTP Security Fundamentals

- ✓ Introduction to SAP BTP Security
- ✓ Security Architecture
- ✓ Shared Responsibility Model
- ✓ Identity and Access Management Overview
- ✓ Security Services in SAP BTP
- ✓ Security Best Practices

Module 2: Identity Authentication Service (IAS)

- ✓ SAP IAS Overview
- ✓ Identity Providers
- ✓ User Authentication
- ✓ Single Sign-On (SSO)
- ✓ Multi-Factor Authentication (MFA)
- ✓ Authentication Policies
- ✓ User Login Experience

Module 3: Identity Provisioning Service (IPS)

- ✓ SAP IPS Architecture
- ✓ Identity Synchronization
- ✓ User Provisioning
- ✓ Identity Lifecycle Management
- ✓ Source and Target Systems
- ✓ Transformation Rules
- ✓ Provisioning Monitoring

Module 4: Authorization and Access Control

- ✓ Role Collections
- ✓ Role Assignment
- ✓ Authorization Concepts
- ✓ Business Roles
- ✓ Principle of Least Privilege
- ✓ Access Governance
- ✓ User Administration

Module 5: Trust Configuration and Federation

- ✓ Trust Management
- ✓ Identity Federation
- ✓ SAML Configuration
- ✓ OpenID Connect (OIDC)
- ✓ OAuth Fundamentals
- ✓ Enterprise Identity Integration
- ✓ Trust Troubleshooting

Module 6: Secure Connectivity

- ✓ SAP Cloud Connector Security
- ✓ Destination Service Security
- ✓ Principal Propagation
- ✓ Secure Tunnel Configuration
- ✓ Certificate-Based Communication

- ✓ Secure On-Premise Connectivity
- ✓ Connectivity Best Practices

Module 7: Certificate and Key Management

- ✓ Certificate Lifecycle
- ✓ SSL/TLS Configuration
- ✓ Certificate Trust Stores
- ✓ Key Management
- ✓ Secure Communication
- ✓ Certificate Renewal
- ✓ Encryption Best Practices

Module 8: Security Monitoring and Compliance

- ✓ Audit Logging
- ✓ Security Monitoring
- ✓ Activity Logs
- ✓ Compliance Management
- ✓ Security Alerts
- ✓ Risk Identification
- ✓ Governance Framework

Module 9: Security Administration and Operations

- ✓ User Access Reviews
- ✓ Security Policies

- ✓ Platform Hardening
- ✓ Incident Response
- ✓ Backup Considerations
- ✓ Security Maintenance
- ✓ Operational Best Practices

Module 10: Enterprise Security Implementation

- ✓ Secure SAP BTP Landscape Design
- ✓ Identity Integration Project
- ✓ IAS & IPS Configuration
- ✓ Trust Establishment
- ✓ Secure Connectivity Setup
- ✓ Compliance Validation
- ✓ Enterprise Security Case Study
- ✓ Final Capstone Project