

SAP SECCL1 – Identity and Access Management (IAM) in SAP BTP Training

COURSE CONTENT

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About Multisoft

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About Course

SAP SECCL1 – Identity and Access Management (IAM) in SAP BTP training by Multisoft Systems is designed to help professionals build secure, scalable access controls for SAP cloud landscapes. This course explains how SAP BTP handles identity, authentication, authorization, and user lifecycle management across SAP applications and integrated third-party systems.

Module 1: Introduction to SAP BTP and IAM

- ✓ What is SAP Business Technology Platform
- ✓ Importance of security and identity access management
- ✓ IAM role in cloud and hybrid landscapes
- ✓ Shared responsibility model
- ✓ Overview of authentication, authorization, and trust
- ✓ Identity management lifecycle

Module 2: Identity Management Fundamentals

- ✓ Digital identity concepts
- ✓ Users, roles, groups, and privileges
- ✓ Authentication vs authorization
- ✓ Identity lifecycle and governance
- ✓ Principal propagation basics
- ✓ Single sign-on (SSO) concepts

Module 3: SAP BTP Security Architecture

- ✓ Trust and identity provider concepts
- ✓ Multi-tenant architecture
- ✓ Subaccount and global account security context
- ✓ Tenant isolation and access control
- ✓ Secure services access mechanisms

Module 4: Authentication Options in SAP BTP

- ✓ Username/password authentication
- ✓ SAML 2.0 authentication basics
- ✓ OAuth 2.0 authentication flows
- ✓ OpenID Connect overview
- ✓ Token issuance and validation

- ✓ Identity propagation across services

Module 5: Identity Providers and Trust Configuration

- ✓ What an identity provider is
- ✓ SAP Identity Authentication Service (IAS)
- ✓ Configuring trust between BTP and an IDP
- ✓ Federation setup with on-premise IDPs
- ✓ Role of certificates in trust models
- ✓ Maintaining trust relationships

Module 6: User Management in SAP BTP

- ✓ Creating users in BTP subaccounts
- ✓ Assigning roles and role collections
- ✓ Managing groups and role assignments
- ✓ Service keys and technical users
- ✓ Delegated administration basics
- ✓ User onboarding and offboarding processes

Module 7: Authorization and Role Design

- ✓ Authorization concepts in BTP
- ✓ Role collections vs individual scopes
- ✓ Best practices for role design
- ✓ Fine-grained access control
- ✓ Cross-service role assignment
- ✓ Permission management

Module 8: Integration of IAM with SAP Applications

- ✓ IAM integration with SAP Fiori applications
- ✓ Back-end system access and IAM

- ✓ Principal propagation between systems
- ✓ Role mapping between cloud and on-premise
- ✓ Security in hybrid integrations

Module 9: Auditing, Monitoring & Compliance

- ✓ Security logs and monitoring tools
- ✓ Audit trails for user and admin actions
- ✓ Compliance and regulatory requirements
- ✓ Detecting and responding to security incidents
- ✓ Reporting on security posture

Module 10: Troubleshooting and Best Practices

- ✓ Common authentication and authorization issues
- ✓ Debugging IAM configuration problems
- ✓ Validating trust and token setups
- ✓ Securing API access and service endpoints
- ✓ IAM optimization and performance tips
- ✓ Best practices for secure deployments