

PingAM

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

PingAM Training is designed for professionals who want to implement secure and scalable identity and access management solutions using Ping Identity Access Management (PingAM). The course covers authentication, authorization, single sign-on (SSO), adaptive authentication, identity federation, OAuth 2.0, OpenID Connect (OIDC), and access policy management. Through practical implementation exercises and enterprise use cases, participants will develop the skills required to configure, administer, and secure digital identities across modern enterprise environments.

Module 1: Introduction to PingAM

- ✓ Identity and Access Management (IAM) Fundamentals
- ✓ Ping Identity Platform Overview
- ✓ PingAM Architecture
- ✓ Key Components and Features
- ✓ Deployment Models
- ✓ Installation Prerequisites
- ✓ Administrative Interfaces

Module 2: PingAM Installation and Configuration

- ✓ Installing PingAM
- ✓ Initial Server Configuration
- ✓ Environment Setup
- ✓ Configuration Store
- ✓ Directory Server Integration
- ✓ Administrative Console
- ✓ Backup and Restore

Module 3: Authentication Framework

- ✓ Authentication Concepts
- ✓ Authentication Chains
- ✓ Authentication Trees
- ✓ Authentication Modules
- ✓ Authentication Services

- ✓ Custom Authentication Flows
- ✓ Testing Authentication

Module 4: Single Sign-On (SSO)

- ✓ SSO Fundamentals
- ✓ Session Management
- ✓ Session Failover
- ✓ Cross-Domain SSO
- ✓ Session Security
- ✓ Logout Management
- ✓ SSO Troubleshooting

Module 5: Authorization and Access Control

- ✓ Authorization Framework
- ✓ Policy Management
- ✓ Resource Protection
- ✓ Access Rules
- ✓ Role-Based Access Control (RBAC)
- ✓ Fine-Grained Authorization
- ✓ Policy Evaluation

Module 6: OAuth 2.0 and OpenID Connect

- ✓ OAuth 2.0 Architecture
- ✓ OAuth Grant Types

- ✓ OpenID Connect (OIDC)
- ✓ Token Management
- ✓ JWT Concepts
- ✓ Client Registration
- ✓ Secure API Access

Module 7: Identity Federation

- ✓ Federation Fundamentals
- ✓ SAML 2.0
- ✓ Identity Provider (IdP)
- ✓ Service Provider (SP)
- ✓ Federation Trust
- ✓ Metadata Management
- ✓ Federation Testing

Module 8: Adaptive Authentication

- ✓ Adaptive Authentication Concepts
- ✓ Risk-Based Authentication
- ✓ Device Recognition
- ✓ Location-Based Access
- ✓ Behavioral Authentication
- ✓ Authentication Policies
- ✓ User Journey Optimization

Module 9: Directory Integration

- ✓ LDAP Integration
- ✓ Active Directory Integration
- ✓ User Identity Stores
- ✓ Identity Synchronization
- ✓ User Provisioning Concepts
- ✓ Attribute Mapping
- ✓ Identity Repository Management

Module 10: Security and Administration

- ✓ User Administration
- ✓ Realm Management
- ✓ Access Control Lists (ACLs)
- ✓ Certificate Management
- ✓ Security Hardening
- ✓ Audit Logging
- ✓ Compliance Best Practices

Module 11: Monitoring and Troubleshooting

- ✓ Log Management
- ✓ Performance Monitoring
- ✓ Authentication Troubleshooting
- ✓ Federation Troubleshooting
- ✓ Session Analysis

- ✓ Debugging Techniques
- ✓ Performance Optimization

Module 12: Enterprise Deployment Project

- ✓ Enterprise Authentication Deployment
- ✓ SSO Implementation
- ✓ OAuth & OIDC Configuration
- ✓ Federation Implementation
- ✓ Adaptive Authentication Setup
- ✓ Security Validation
- ✓ Production Deployment Best Practices
- ✓ Capstone Project