

PingOne Advanced Identity Cloud Architecture Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

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About Course

PingOne Advanced Identity Cloud Architecture training by Multisoft Systems is designed to equip IT professionals, architects, and security specialists with the in-depth knowledge required to architect and manage enterprise-grade identity solutions in hybrid and multi-cloud environments. This course offers a comprehensive understanding of PingOne's advanced identity services including authentication, Single Sign-On (SSO), adaptive access policies, and Zero Trust security frameworks.

Module 1: Enhancing Intelligent Access

- ✓ Exploring Authentication Mechanisms
 - i. Identity Cloud Authentication
 - ii. Authentication Life Cycle
 - iii. Sessions
 - iv. Session Cookies
 - v. Authentication Mechanisms
 - vi. Create & Manage Journeys
 - vii. Journey Nodes
- ✓ Protecting a Website With IG
 - i. Edge Clients
 - ii. IG Functionality as Edge Client
- ✓ Controlling Access
 - i. Authorization Entitlements
 - ii. Policy Components
 - iii. Policy Environment Conditions & Response Attributes
 - iv. Policy Evaluation

Module 2: Improving Access Management Security

- ✓ Increasing Authentication Security
 - i. Multi-Factor Authentication
 - ii. Register a Device
 - iii. Recovery Codes
 - iv. OATH Authentication
 - v. Push Notification Authentication
 - vi. Passwordless WebAuthn
 - vii. HOTP Authentication

- ✓ Modifying User's Journey Based on Context
 - i. Context-Based Risk Analysis
 - ii. Device Profile Nodes
 - iii. Context-Based Risk
 - iv. Lock & Unlock Accounts
- ✓ Checking Risk Continuously
 - i. Continuous Contextual Authorization
 - ii. Step-Up Authentication
 - iii. Transactional Authorization

Module 3: Extending Services using OAuth 2.0-Based Protocols

- ✓ Integrating Applications with OAuth2
 - i. OAuth2 Concepts
 - ii. OAuth2 Tokens and Codes
 - iii. Refresh Tokens, Macaroons and Token Modification
 - iv. OAuth2 Access Tokens Grant Types
 - v. OAuth2 Scopes & Consent
 - vi. Identity Cloud OAuth2
- ✓ Integrating Applications With OIDC
 - i. OIDC
 - ii. OIDC Tokens
 - iii. OIDC Scopes & Claims
 - iv. OIDC Grant Types
 - v. OIDC Script
- ✓ Transforming OAuth2 Tokens
 - i. OAuth2 Token Exchange

- ii. Token Exchange Types
- iii. Token Scopes and Claims
- iv. Token Exchange Impersonation
- v. Token Exchange Delegation
- vi. Identity Cloud Token Exchange

Module 4: Federating Across Entities Using SAML2

- ✓ Implementing SSO Using SAML2
 - i. SAML2 Entities & Profiles
 - ii. IDP View of SAML2 Flow
 - iii. SSO Across SPs
- ✓ Delegating Authentication Using SAML2
 - i. SP View of SSO Flow
 - ii. Metadata Content