Design and Implement Platform Engineering (AZ-2010)

ID AZ-2010 **Price** CHF 690.—(excl. VAT) **Duration** 1 days

Who should attend

This course is designed for professionals involved in platform engineering, including software engineers, DevOps practitioners, IT architects, and technical leaders. It is also suitable for individuals responsible for designing, implementing, and managing platform solutions within their organizations. The target audience includes Software Engineers and Developers, DevOps Practitioners, IT Architects, Technical Leaders and Managers, Platform Engineers and Security and Compliance Professionals.

Course Content

Foundations of Platform Engineering

- Introduction
- The Role of Platform Engineering in Modern Enterprises
- Core Principles of Platform Design
- Platform Engineering Capability Model
- Core Aspects of Platform Implementation
- Module assessment
- Summary

Design Secure and Scalable Platform Architectures

- Introduction
- Core Principles of Secure and Scalable Platform Design
- Security Considerations in Platform Architecture
- Scale Platform Architectures for Growth and Adaptability
- Automation and Resiliency for Modern Platforms
- Module assessment
- Summary

Implement Developer Self-Service

- Introduction
- Introduction to Developer Self-Service
- Developer Self-Service Platform Architecture
- Governance and Security in Self-Service Workflows
- Developer Coding Environments
- Automation and Self-Service Tools
- Monitor and Audit Developer Activities
- Implement Microsoft Dev Box
- Module assessment
- Summary

Observability and Continuous Improvement

- Introduction
- The Importance of Observability in Modern Platforms
- Build Observability into Platform Architecture
- Metrics, Monitoring, and Alerts
- Automation for Incident Detection and Resolution
- Continuous Improvement through Feedback Loops
- Implementing Real-Time Monitoring with Azure Monitor
- Module assessment
- Summary

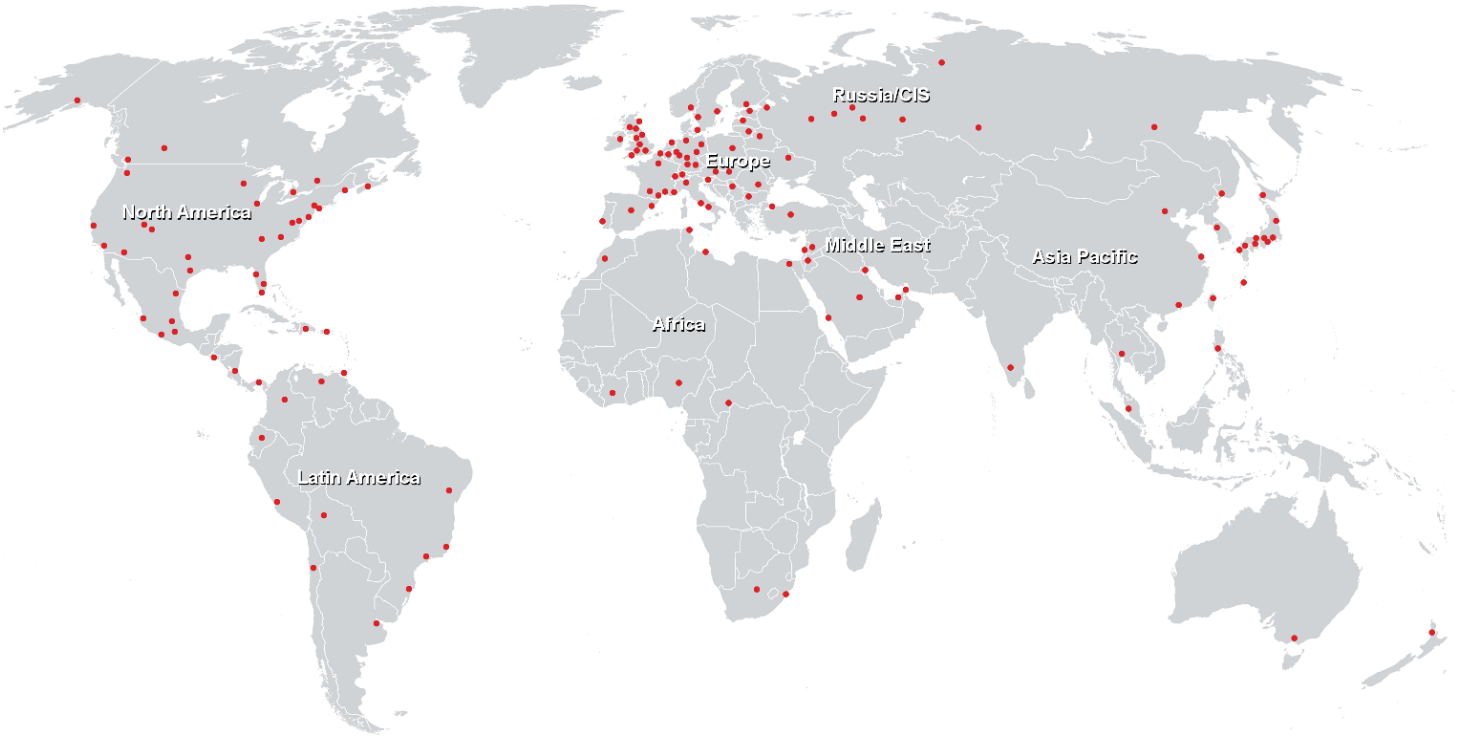
Strategic Platform Road Mapping

- Introduction
- Understand the Strategic Importance of Platform Engineering
- Develop a Scalable Platform Architecture
- Future-Proofing the Platform
- Continuous Improvement and Innovation Management
- Roadmap Development and Execution
- Risk Management in Platform Engineering
- Communicate the Roadmap to Stakeholders
- Implementing Self-Service Infrastructure with Bicep
- Module assessment
- Summary

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Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

info@flane.ch, https://www.flane.ch