DevOps Foundations: The Core Principles and Practices (AZ-2008)

ID AZ-2008 **Price** CHF 870.—(excl. VAT) **Duration** 1 days

Who should attend

This course is designed for students who are interested in exploring DevOps culture and practices.

Course Content

Discover DevOps

- Introduction
- What is DevOps?
- Explore DevOps culture
- Explore DevOps goals and benefits
- Explore DevOps application lifecycle
- Module assessment
- Summary

Plan with DevOps

- Introduction
- Foster DevOps culture
- What is Agile?
- Explore DevOps practices
- Plan with GitHub
- Agile plan and management using GitHub
- Module assessment
- Summary

Develop with DevOps

- Introduction
- Explore source control and version control
- Explore version control using Git
- Explore GitHub flow
- Explore Continuous Integration
- Explore shift-left testing
- Explore shift-left security
- Implement flow of work with GitHub
- Module assessment
- Summary

Deliver with DevOps

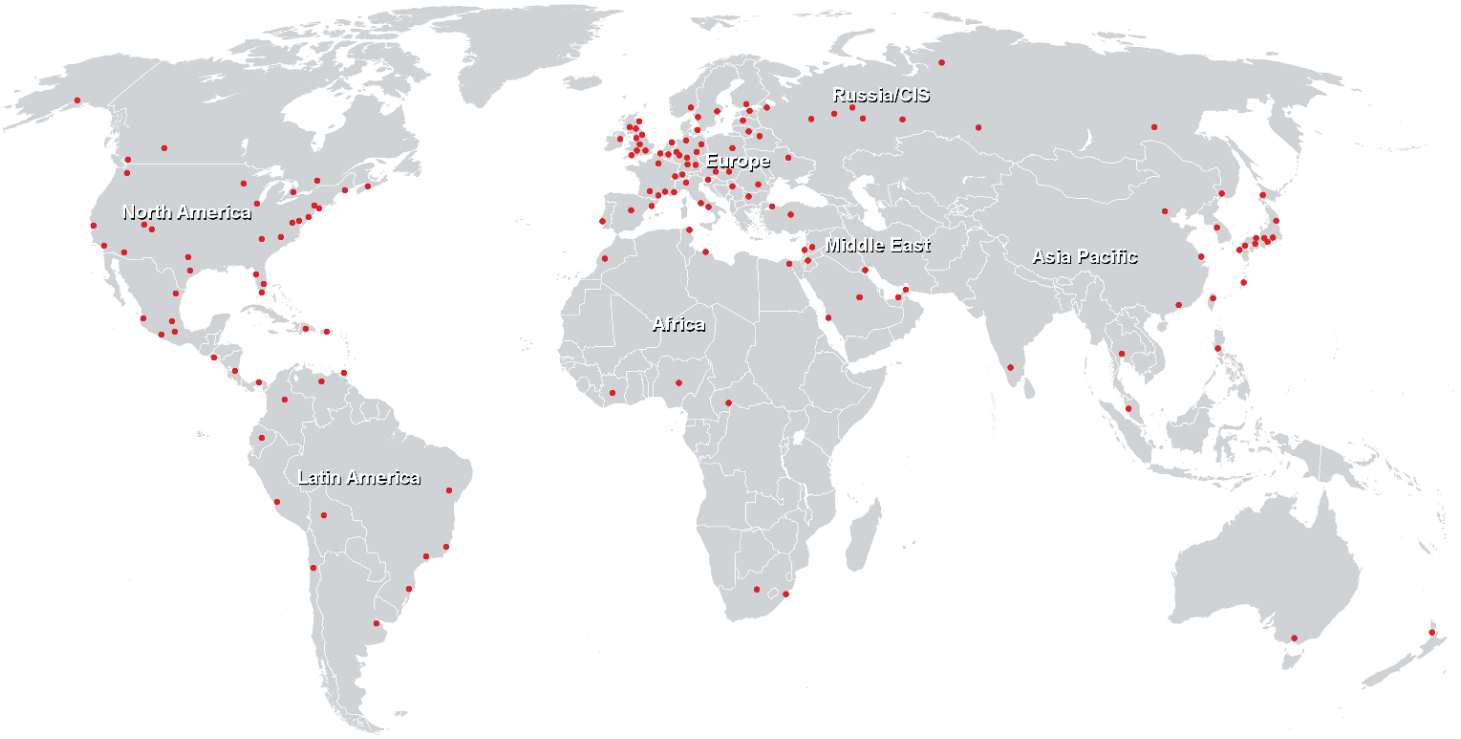
- Introduction
- Explore continuous delivery
- Explore Infrastructure as Code
- Explore progressive exposure techniques
- Explore continuous delivery with GitHub Actions
- Implement CI/CD with GitHub Actions and IaC with Bicep
- Module assessment
- Summary

Operate with DevOps

- Introduction
- Explore operational excellence
- Explore shift-right testing
- Explore observability through performance monitoring
- Explore observability through security assessment
- Explore resiliency with site reliability engineering
- Improve developer experience with platform engineering
- Enhance workload resiliency Traffic Manager and Azure Chaos Studio
- Module assessment
- Summary

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