DevOps Foundations: The Core Principles and Practices – Intensive Training («AZ2X8»)

Explore DevOps practices using GitHub. Your development & operations teams will experience improved collaboration, agility, continuous integration, continuous delivery, automation & operational excellence throughout all phases of the application lifecycle

Duration: 1 day
Price: 900.–

Content

Module 1: Discover DevOps

- Optimize application lifecycle management through DevOps practices such as collaboration, continuous learning, agility, and automation. Your organization benefits from accelerated time to market, stability and reliability in operations, and minimize mean time to recovery.

Module 2: Plan with DevOps

- Plan your software development projects agilely using GitHub Projects boards. You'll facilitate collaboration, shared responsibility, continuous learning, and optimization through version control, continuous integration and continuous testing, and Infrastructure as Code.

Module 3: Develop with DevOps

- Streamline updates to your software development projects by applying version control with Git and GitHub. Your software lifecycle improves through the implementation of continuous integration, shift-left testing, and shift-left security.

Module 4: Deliver with DevOps

- Build and run continuous integration and continuous delivery workflows using GitHub Actions. Your workflows will have accelerated release cycles, increased resiliency, improved collaboration and reusability, and infrastructure as code.

Module 5: Operate with DevOps

- Achieve operational excellence and enhance developer experience in your organization through DevOps. Your operational and development practices improve by implementing shift-right testing, observability through performance and security monitoring, Site Reliability Engineering and platform engineering.

Key Learnings

- Describing the DevOps approach
- Identifying DevOps goals and benefits
- Understanding the DevOps application lifecycle
- Describing the components of and the path to a DevOps culture
- Defining the frameworks and methods of the Agile methodology
- Using GitHub for projects
- Defining source control and version control
- Defining the concept of continuous integration and continuous delivery

Target audience

- DevOps Engineers
- Security Engineers
- Azure Administrators
- Technical Architects

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-microsoft-technology/microsoft-azure/microsoft-certified-azure-devops-engineer-expert/course-devops-foundations-the-core-principles-and-practices-intensive-training