

EXIN DevOps Master™

Duration: 3 Days

Course Objectives:

Upon completion of the course, you should be able to:

- Implement continuous delivery practices, including version control, automated deployment, continuous integration, test automation, data management, and security.
- Design a loosely coupled DevOps architecture that supports continuous delivery.
- Improve product and process by utilizing customer feedback, visualizing flow and the value stream, working in small batch sizes, and fostering team experimentation.
- Implement Lean management practices, including monitoring and checking system health, limiting work in progress (WIP), and implementing a lightweight change management process.
- Drive cultural change by supporting a generative culture, becoming a learning organization, fostering collaboration, making work meaningful, and promoting transformational leadership.
- Assess the maturity of DevOps practices in an organization and visualize progress in DevOps maturity.

Intended Audience:

The EXIN DevOps Master certification is tailored for:

- Professionals driving the implementation of DevOps practices.
- Individuals working within a DevOps context or transitioning to a DevOps approach.
- Business analysts, developers, security experts, Product Owners, process managers, and DevOps team members.

Course Outlines:

Implementing continuous delivery

- Implementing version control
- Automating deployment
- Establishing continuous integration
- Introducing test automation
- Managing data and data security (DevSecOps)
- Establishing continuous delivery
- Trunk-based development

Designing a DevOps architecture

- Creating a loosely coupled architecture

Improving product and process

- Using customer feedback
- Visualizing flow and the value stream
- Working in small batch sizes
- Fostering team experimentation

Using Lean management and monitoring

- Implementing lightweight change approval processes
- Monitoring and checking system health
- Limiting work in progress (WIP)

Implementing cultural change

- Supporting a generative culture
- Becoming a learning organization
- Fostering collaboration
- Making work meaningful
- Promoting transformational leadership

Assessing maturity

- Assessing maturity with the help of DevOps capability
- Visualizing progress in DevOps maturity

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