

DEVOPS MODULE 01

Fundamental DevOps

Arcitura®
CERTIFIED
DevOps Specialist

OVERVIEW

This course provides a comprehensive overview of DevOps practices, models and techniques, along with coverage of DevOps benefits, challenges and business and technology drivers. Also explained is how DevOps compares to traditional solution development and release approaches and how the application of DevOps can be monitored and measured for concrete business value.

The following primary topics are covered:

- Business Drivers of DevOps
- IT Roles in DevOps Projects
- Goals and Benefits of DevOps Adoption
- Interoperability and Transparent Collaboration
- Rapid Delivery, Responsive Scalability and Increased Reliability
- Impacts and Challenges of DevOps Adoption
- Automation, Measurement and Unified Metrics
- DevOps Platform and Toolchain
- The 20 Common DevOps Tools, Repositories and Systems
- DevOps Lifecycle and Stages
- Delivery Pipeline, Feedback Loop and Dark Launching
- Continuous Integration (CI) and Continuous Delivery (CD)
- Automated Builds and Automated Testing
- Continuous Deployment and Automated Release Management
- Dependency Management, Infrastructure Resource Staging and Compliance Verification
- Introduction to IaC, PaC and CaC

Duration: 1 Day

TRAINING + CERTIFICATION

This course is part of a training and accreditation program through which official certification can be achieved and for which official training and certification badges can be issued.



www.arcitura.com/devops

eLEARNING + PRINTED STUDY KITS

This Arcitura study kit includes the contents listed below. These course materials are available in full-color printed format, as well as in eLearning subscription format, via online access and offline file download.

- Workbook (1 of 3)
- Exam Preparation Guide (1 of 3)
- Mind Map Poster
- Tools and Lifecycle Stages Poster
- Tools and Practices Poster
- Symbol Legend Poster
- Flashcards
- Audio Tutor Recording



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EXAM PROCTORING

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DEVOPS MODULE 01

Fundamental DevOps

Certified
DevOps
Specialist

Certified
Blockchain
Architect

Certified
IoT
Architect

Certified
Containerization
Architect

Certified
Machine
Learning
Specialist

Certified
Artificial
Intelligence
Specialist

MODULE 01 Fundamental DevOps



MODULE 02 DevOps in Practice



MODULE 03 DevOps Lab



MODULE 01 Fundamental Blockchain



MODULE 02 Blockchain Technology & Architecture



MODULE 03 Blockchain Technology & Architecture Lab



MODULE 01 Fundamental IoT



MODULE 02 IoT Technology & Architecture



MODULE 03 IoT Technology & Architecture Lab



MODULE 01 Fundamental Containerization



MODULE 02 Containerization Technology & Architecture



MODULE 03 Containerization Technology & Architecture Lab



MODULE 01 Fundamental Machine Learning



MODULE 02 Advanced Machine Learning



MODULE 03 Machine Learning Lab



MODULE 01 Fundamental Artificial Intelligence



MODULE 02 Advanced Artificial Intelligence



MODULE 03 Artificial Intelligence Lab

