

DevOps Engineering Foundation (DOEF)

This course explains the many aspects of DevOps engineering that leaders and practitioners can execute upon. While DevOps Foundation provides an overview of DevOps, this course will provide a closer look at the implementation process from an engineering perspective. It is an in-depth view of the major aspects of engineering DevOps. An engineering approach is critical to DevOps journeys. This course provides the foundations of knowledge, principles and practices from a technical perspective needed to engineer a successful DevOps solution.

Durée: 6.00 heures (jours)

Profils des apprenants

- DevOps Practice owners and process designers
- Developers, QA engineers and Managers who are interested in understanding how DevOps works.
- Employees and managers responsible for engineering or improving processes.
- Consultants guiding their clients through process improvement and DevOps initiatives.
- Anyone responsible for:
 - Managing process-related requirements
 - Ensuring the efficiency and effectiveness of processes
 - Maximizing the value of processes

Prérequis

- Some familiarity with DevOps processes and Agile is recommended

Accessibilité

For people with disabilities, it is mandatory to contact us before signing the training's contract. We will organize a call in order to define adjustments that may be needed, to be able to attend the training course in the best conditions. Please contact us by writing to : contact@adservio.academy

Délais d'accès

1 jour

Objectifs pédagogiques

- How to Engineer DevOps Solutions
- DevOps Technologies
- Applications Architecture
- Continuous Integration
- Continuous Testing
- Ephemeral Elastic Infrastructures
- Continuous Delivery and Deployment
- Metrics, Monitoring, Observability and Governance
- DevOps Humans
- Future Trends

Contenu de la formation

ADSERVIO ACADEMY | 10 rue de Penthièvre PARIS 75008 | Numéro SIRET : 92005874000019 |
Numéro de déclaration d'activité : 11 75 66193 75 (auprès du préfet de région de : Ile de France)
Cet enregistrement ne vaut pas l'agrément de l'État.

ADSERVIO ACADEMY

10 rue de Penthièvre

75008 PARIS

Email : academy@adservio.fr

Tel : 0659031509



- Course Introduction (7 min)
 - Course Goals
 - Course Agenda
- Module 1: DevOps Engineering Introduction (45 min)
 - DevOps Foundations
 - Principles and Practices
 - Related Frameworks
 - Performance and Benefits
- Module 2: DevOps Technology (49 min)
 - Source and Artifacts Control
 - CI/CD Pipelines
 - Tools and Toolchains
 - Application Release Automation
 - Value Stream Management
- Module 3: Applications Architecture and Continuous Integration (55 min)
 - Application Architectures
 - Containers
 - Continuous Integration
- Module 4: Continuous Testing (23 min)
 - CT Tenets
 - Test Creation & TDD
 - Test Acceleration
 - Test Results
 - Test Management
 - Test Environment Management
- Module 5: Ephemeral Elastic Infrastructure (43 min)
 - Virtual and Cloud
 - Configuration Management
 - Infra-as-code
 - Containers Orchestration
 - GitOps
- Module 6: Continuous Delivery and Deployment (25-min)
 - Continuous Delivery and Deployment
 - Release Automation
 - Deployment Strategies
- Module 7: Metrics, Monitoring, Observability, Governance (50 min)
 - DevOps Metrics
 - Monitoring
 - Observability
 - Governance
- Module 8: DevOps Engineering Humans (12 min)
 - Culture
 - Team Topologies
 - Continuous Learning
 - Future DevOps Trends

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- Additional Sources of Information
- Exam Preparation Materials
 - Exam Requirements, Question Weighting, and Terminology List
 - Sample Exam Review

Organisation de la formation

Équipe pédagogique

This training is provided and designed by DevOps Institute.

Moyens pédagogiques et techniques

- Approximately 5-6 hours of learning videos
- DevOps Glossary
- Access to additional value-added resources and communities

Dispositif de suivi de l'exécution de l'évaluation des résultats de la formation

- Sample exams

Prix : 700.00 euros HT