**ADSERVIO ACADEMY**
10 rue de Penthièvre
75008  PARIS
Email : academy@adservio.fr
Tel : 0659031509

# DevOps Foundation (DOF)

*The DevOps Foundation certification eLearning course provides a baseline understanding of key DevOps terminology to ensure everyone is talking the same language and highlights the benefits of DevOps to support organizational success. The online course includes the latest thinking, principles and practices from the DevOps community. Learners will gain an understanding of DevOps, the cultural and professional movement that stresses communication, collaboration, integration, and automation to improve the flow of work between software developers and IT operations professionals.*

**Durée:** 5.00 heures ( jours)

**Profils des apprenants**

* Individuals involved in IT development, IT operations or IT service management
* Individuals who require an understanding of DevOps principles
* IT professionals working within, or about to enter, an Agile Service Design Environment
* The following IT roles: Automation Architects, Application Developers, Business Analysts, Business Managers, Business Stakeholders, Change Agents, Consultants, DevOps Consultants, DevOps Engineers, Infrastructure Architects, Integration Specialists, IT Directors, IT Managers, IT Operations, IT Team Leaders, Lean Coaches, Network Administrators, Operations Managers, Project Managers, Release Engineers, Software Developers, Software Testers/QA, System Administrators, Systems Engineers, System Integrators, Tool Providers

**Prérequis**

* Familiarity with IT terminology and IT related work experience are 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

* DevOps objectives and vocabulary
* Benefits to the business and IT
* Principles and practices including Continuous Integration, Continuous Delivery, testing, security and the Three Ways
* DevOps relationship to Agile, Lean and ITSM
* Improved workflows, communication and feedback loops
* Automation practices including deployment pipelines and DevOps toolchains
* Scaling DevOps for the enterprise
* Critical success factors and key performance indicators

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## Contenu de la formation

- Course Introduction (4 min)
  - Course Goals
  - Course Agenda
- Module 1: Exploring DevOps (30 min)
  - Defining DevOps
  - Why Does DevOps Matter?
- Module 2: Core DevOps Principles (15 min)
  - The Three Ways
  - The First Way
  - The Theory of Constraints
  - The Second Way
  - The Third Way
  - Chaos Engineering
  - Learning Organizations
- Module 3: Key DevOps Practices (23 min)
  - Continuous Delivery
  - Site Reliability & Resilience Engineering
  - DevSecOps
  - ChatOps
  - Kanban
- Module 4: Business and Technology Frameworks (35 min)
  - Agile
  - ITSM
  - Lean
  - Safety Culture
  - Learning Organizations
  - Sociocracy/Holacracy
  - Continuous Funding
- Module 5: Culture, Behaviors & Operating Models (28 min)
  - Defining Culture
  - Behavioral Models
  - Organizational maturity models
  - Target Operating Models
- Module 6: Automation & Architecting DevOps Toolchains (21 min)
  - CI/CD
  - Cloud
  - Containers
  - Kubernetes
  - DevOps Toolchain
- Module 7: Measurement, Metrics, and Reporting (20 min)
  - The Importance of Metrics
  - Technical Metrics
  - Business Metrics

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- Measuring & Reporting Metrics
- Module 8: Sharing, Shadowing and Evolving (39 min)
  - Collaborative Platforms
  - Immersive, Experiential Learning
  - DevOps Leadership
  - Evolving Change
- 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 4-5 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

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