

DevSecOps Practitioner (DSOP)

The DevSecOps Practitioner eLearning course is intended as a follow-on to the DevSecOps Foundation course. The course builds on previous understanding to dive into the technical implementation. Each section highlights useful metrics as well as integrating new techniques into differing practices. These modules offer suggestions on how to overcome people, process, and technological issues to develop better DevSecOps outcomes.

Durée: 7.00 heures (jours)

Profils des apprenants

- Anyone focused on implementing or improving DevSecOps practices in their organization
- Anyone interested in modern IT leadership and organizational change approaches
- Business Managers
- Business Stakeholders
- Change Agents
- Consultants
- DevOps Practitioners
- IT Directors
- IT Managers
- IT Team Leaders
- Product Owners
- Scrum Masters
- Software Engineers
- Site Reliability Engineers
- System Integrators
- Tool Providers

Prérequis

- It is highly recommended that learners attend the DevSecOps Foundation course with an accredited DevOps Institute Education Partner and complete the DevSecOps Foundation certification prior to attending the DevSecOps Practitioner course and exam. An understanding and knowledge of common DevSecOps terminology, concepts, principles, and 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

- Comprehend the underlying principles of DevSecOps
- Distinguish between the technical elements used across DevSecOps practices
- Demonstrate how practical maturity concepts can be extended across multiple areas.
- Implement metric-based assessments tied to your organization.
- Recognize modern architectural concepts including microservice to monolith transitions.
- Recognize the various languages and tools used to communicate architectural concepts.
- Contrast the options used to build a DevSecOps infrastructure through Platform as a Service, Server-less construction, and event-driven mediums
- Prepare hiring practices to recognize and understand the individual knowledge, skills, and abilities required for mature Dev.
- Identify the various technical requirements tied to the DevSecOps pipelines and how those impact people and process choices.
- Review various approaches to securing data repositories and pipelines.
- Analyze how monitoring and observability practices contribute to valuable outcomes.
- Comprehend how to implement monitoring at key points to contribute to actionable analysis.
- Evaluate how different experimental structures contribute to the 3rd Way.
- Identify future trends that may affect DevSecOps

Contenu de la formation

- Course Introduction (5 min)
 - Course Goals
 - Course Agenda
- Module 1: DevSecOps Advanced Basics (47 min)
 - Why Advance Practices?
 - General Awareness
 - People-Finding Them
 - Core Process
 - Technology Overview
- Module 2: Understanding Applied Metrics (44 min)
 - Metric Terms
 - Accelerating
 - People-Reporting and Recording
 - Integrating Process
 - Technology Automation
- Module 3: Architecting and Planning for DevSecOps (44 min)
 - Architecture Basics
 - Finding an Architect
 - Reporting and Recording
 - Environments Process
 - Accelerating Decisions
- Module 4: Creating a DevSecOps Infrastructure (44 min)
 - What is Infrastructure?
 - Equipping the Team
 - Design Challenges

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- Monitoring Infrastructure
- Module 5: Establishing a Pipeline (49 min)
 - Pipelines and Workflows
 - Engineers and Capabilities
 - Continuous Engagement
 - Automate and Identify
- Module 6: SRE & Incident Response Management (41 min)
 - Observability vs. Monitoring
 - Who gets which Report?
 - Setting Observation Points
 - Implementing Observability
- Chaos Engineering (44 min)
 - Revisiting 3rd Way
 - Building Experiments
 - Getting the Most from the Experiment
- Module 8: SRE is the Purest form of DevOps (40 min)
 - Looking Towards the Future
 - Staying Trained
 - Innovation
 - What, and from Who?
 - 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 6-7 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