SecDevOps Practitioner¬ (SDOP) Certification Training

Course: **00102**

Filter: **Beginner**

Duration: **20 hours**

Category:: **Software Application Security**

Price: **2800,00 €**

About Course

This SecDevOps Practitioner® (SDOP) Certification Training follows the SecDevOps foundational practice in Course 3695, SecDevOps Foundation® (SDOF) Certification Training. While the foundation course provides a basic understanding and outlines the roadmap for implementation, this practitioner-level class adds a range of techniques for a more comprehensive understanding of SecDevOps. This includes achieving optimum outcomes by designing the right pipeline architecture, creating an effective team, and establishing best-practice processes

What you'll learn

- Prepare for the DevOps Institute SecDevOps Practitioner Certification (SDOP) with the world's first accredited SecDevOps Practitioner course
- Establish SecDevOps maturity guidance for people processes and technology.
- Implement and optimize typical pipeline tools to improve CI/CD/CC results.
- Gather effective metrics to streamline, verify, and tune pipeline operations.
- Follow architectural best practices, including immutable infrastructure and high observability.
- Leverage experimentation to achieve highly effective automated security protection.
- Improve team performance following the leadership-at-all-levels approach.
- Case studies, group collaborations, and practical hands-on exercises using specific pipeline tools are included.
- Receive official certification from the DevOps Institute (DOI).
- Continue learning and face new challenges with after-course one-on-one instructor coaching.

Pre-requisites

- SecDevOps Foundational certification (SDOF) is expected, or DevOps Foundational certification or DevSecOps Foundational certification. Related courses include:
- Course : SecDevOps Foundation® (SDOF) Certification Training and
- Course : DevOps Foundation® (DOFD) Certification Training
- Prospective attendees can confirm their prerequisite knowledge by taking the pre-course skills assessment (which takes approximately 15 minutes).

Curriculum

Module 1: Determining Organizational SecDevOps Maturity

- Know where you are so you can start from where you are
- What level are your people, processes, and pipelines
- Collaboration: Guidance metrics for people and process
- Hands-On: Executing and debugging the case-study pipeline

Module 2: Applying Automation Metrics

- Improve feedback to understand what is most important
- Hands-On: Reviewing metrics from the case-study pipeline
- Collaboration: What 2nd metrics are missing?
- Metric isolation and accuracy for incremental experimentation
- Collaboration: Third-way considerations
- Hands-On: Implementing a third-way spike

Module 3: Designing, Architecting, and Planning for SecDevOps

- Planning and architectural structure best practices
- What does security first actually mean?
- Collaboration: What architecture do we have/should we have?
- Hands-On: Architecture and security improvements to case study pipeline
- Collaboration: Observing functional and security outcomes

Module 4: Creating Practical SecDevOps Infrastructure

- Lessons from Site Reliability Engineering
- Collaboration: Aiding resilience for SRE (Site Reliability Engineering)
- Examining immutability for deployment
- High observability strategies for availability and security
- Hands-On: Immutable deployment and high observability

Module 5: Other Security Considerations beyond the Pipeline

- Before and after development (acquisition and disposal)
- Collaboration: Is such-and-such a tool safe?

Module 6: Next Steps

- Ongoing best practices and analysis of outcomes
- Collaboration: Personal Action Planning