



E|CDE

EC-Council | Certified DevSecOps Engineer

EC-COUNCIL CERTIFIED DEVSECOPS ENGINEER

TRAINING COURSE

COURSE HIGHLIGHTS



24 hrs of
instructor-led
training

EC-Council

EC-Council
Authorized
Partner



Learn with
Practical
Approach

COURSE DESCRIPTION

OVERVIEW

The EC-Council Certified DevSecOps (Development, Security, and Operations) Engineer (E|CDE) from InfosecTrain is an instructor-led certification training program that equips professionals with the necessary skills to design, develop, and maintain secure applications and infrastructure using DevSecOps principles. This comprehensive course combines theoretical knowledge with hands-on experience, enabling participants to effectively apply DevSecOps practices in on-premises and cloud environments like AWS and Azure. By completing the course, participants will become proficient in integrating and automating essential tools, processes, and methodologies, allowing organizations to expedite the development of secure applications within a DevOps ecosystem.

WHY EC-COUNCIL CERTIFIED DEVSECOPS ENGINEER (ECDE) TRAINING COURSE WITH INFOSECTRAIN?

InfosecTrain is a leading IT security training and consulting organization offering best-in-class yet cost-effective, customized training programs to enterprises and individuals across the globe. We offer role-specific certification training programs and prepare professionals for the future. Our Certified DevSecOps Engineer (ECDE) certification training course will provide a comprehensive overview of essential skills to design, develop, and maintain secure applications and infrastructure using DevSecOps principles.

Here's what you get when you choose InfosecTrain as your learning partner:

- **Flexible Schedule:** Training sessions to match your schedule and accommodate your needs.
- **Post Training Support with No Expiry Date:** Ongoing assistance and support until the learners achieve their certification goals.
- **Recorded Sessions:** Access to LMS and recorded sessions for post-training reference.
- **Customized Training:** A training program that caters to your specific learning needs.
- **Knowledge Sharing Community:** Collaborative group discussions to facilitate knowledge sharing and learning.
- **Certificate:** Each candidate receives a certificate of participation as a testament to their accomplishment.
- **Expert Career Guidance:** Free Career Guidance and support from industry experts.



EC-COUNCIL CERTIFIED DEVSECOPS ENGINEER (ECDE) EXAM MODULES

Module 01:
Understanding DevOps Culture

Module 03:
DevSecOps Pipeline—Plan Stage

Module 05:
DevSecOps Pipeline—Build and Test Stage

Module 07:
DevSecOps Pipeline—Operate and Monitor Stage

Module 02:
Introduction to DevSecOps

Module 04:
DevSecOps Pipeline—Code Stage

Module 06:
DevSecOps Pipeline—Release and Deploy Stage

TARGET AUDIENCE

- Application Security Professionals
- DevOps Engineers
- IT/Cyber Security Professionals
- Software Engineers/Testers
- Anyone with an understanding of Application Security

PRE-REQUISITES

- Good understanding of Linux OS and basic Linux commands
- Understanding of one of the Cloud Service Providers like AWS or Azure, or GCP
- Understanding of security concepts and architecture
- Basic understanding of SDLC Lifecycle and automation



EXAM INFORMATION

Exam Title	EC-Council Certified DevSec-Ops Engineer (ECDE)
Exam Code	312-97 (ECC EXAM), 312-50 (VUE)
Number of Questions	100
Exam Format	Multiple-choice
Exam Duration	4 Hours
Availability	EC-Council Exam Portal
Passing Score	70.00%

COURSE OBJECTIVES

You will be able to:

- Understand the DevOps culture and its principles, fostering collaboration and continuous improvement within organizations.
- Gain an introduction to DevSecOps, integrating security practices into the DevOps framework for enhanced application and infrastructure security.
- Develop proficiency in planning and implementing a DevSecOps pipeline, covering various stages from code development to release and deployment.
- Learn to apply security measures in each stage of the DevSecOps pipeline, ensuring secure code, build, testing, release, deployment, and ongoing monitoring.
- Acquire hands-on experience with tools, technologies, and methodologies used in DevSecOps, including planning, code analysis, testing, and monitoring tools.
- Understand the importance of continuous monitoring and feedback loops to identify vulnerabilities and mitigate security risks in real-time.
- Apply best practices for secure operations and monitoring within a DevSecOps environment, ensuring ongoing security and resilience for applications and infrastructure.
- Prepare for the EC-Council Certified DevSecOps Engineer (E|CDE) certification exam to validate your knowledge and expertise in DevSecOps practices.

COURSE CONTENT

Introduction to DevOps

Introduction to DevSecOps

DevSecOps Planning & Development Phase

DevSecOps: Build and Test

DevSecOps: Release and Deployment

DevSecOps: Operate and Monitor

Introduction to DevOps

- DevOps Fundamentals
- CI/CD Pipeline
- DevOps Maturity Models
- DevOps on Cloud
- Benefits and Challenges

Introduction to DevSecOps

- DevOps Security Challenges
- Integrating Security to DevOps
- Principles & the Shift Left Approach
- Building a DevSecOps Culture
- DevSecOps Pipeline
- Strategy and Tools Used.
- Deployment Models: Blue Green Deployment
- Cloud-Based Deployment

DevSecOps Planning & Development Phase

- Threat Modeling Concepts
- Continuous Integration
- Pre-Commit Code Evaluation
- Scanning Code Repositories
- Secret Management Tools
- Deploying and Integrating SCA Tools
- Static Application Security Testing Concept and Tools

DevSecOps: Build and Test

- SAST Concepts and Tools
- Integrating the Code Repo to SAST Tools
- Security by Design Concepts
- Code Review Strategy
- DAST Concepts and Tools
- Building a CI-CD pipeline

DevSecOps: Release and Deployment

- Runtime Application Self-Protection Concepts
- RASP Tools and Capabilities
- VAPT Strategy
- Infrastructure as a Code Concept

DevSecOps: Operate and Monitor

- Containerization Concepts
- Security Challenges in Containers
- Deploying a Docker Container with Web Server
- Container Security Best Practices
- CI Tool, Jenkins
- Compliance as a Code Tools
- Monitoring and Logging Concepts
- Native Tools for Logging and Monitoring
- WAF Integration

COURSE BENEFITS

DevSecOps Engineer/
Senior DevSecOps Engineer

\$87,000

Cloud DevSecOps Engineer

\$130,000

DevSecOps System Administrator

\$100,000

DevSecOps System Engineer

\$110,000

DevSecOps Consultant

\$120,250

DevSecOps Specialist

\$130,250

DevSecOps CI/CD Engineer

\$95,000

HIRING COMPANIES



Source: Indeed, Glassdoor



www.infosectrain.com | sales@infosectrain.com