

EC-Council Certified DevSecOps Engineer

Course Duration: 24 Hrs.

Course code: E|CDE

Course Overview

EICDE is a DevSecOps course with over 70% of the curriculum dedicated to labs. It covers both application and infrastructure DevSecOps in on-premises and cloud-native platforms. This DevSecOps certification program offers in-depth training on leading cloud platforms and industry tools like AWS Cloud, Microsoft Azure, and GitHub. The EICDE is the most comprehensive DevSecOps course, which focuses on integrating security in the plan, code, build, test, deploy, release, operate, and monitor stages of the DevOps lifecycle.

What you'll learn?

- ❖ Understand DevOps security bottlenecks and discover how the culture, philosophy, practices, and tools of DevSecOps can enhance collaboration and communication across development and operations teams.
- ❖ Understand the DevSecOps toolchain and how to include security controls in automated DevOps pipelines.
- ❖ Integrate Eclipse and GitHub with Jenkins to build applications.
- ❖ Align security practices like security requirement gathering, threat modeling, and secure code reviews with development workflows.

Target Audience

- ❖ **DevOps Practitioners:**
Individuals involved in the DevOps pipeline, including those who develop, test, and deploy software.
- ❖ **IT and Cybersecurity Experts:**

Professionals with a background in IT security or cybersecurity who want to specialize in DevSecOps.

❖ **Software Engineers:**

Developers and testers who want to enhance their skills in building secure applications.

Pre-Requisites

While not mandatory, having a foundational understanding of the following areas is highly beneficial for a productive learning experience:

Software Development: Basic understanding of software development concepts and practices.

Linux: Good understanding of Linux OS and basic Linux commands.

Cloud: Understanding of cloud service providers like AWS, Azure, or GCP.

Security: Understanding of security concepts and architecture.

SDLC: Basic understanding of the Software Development Lifecycle (SDLC) and automation.

Course content

MODULE 01 Understanding DevOps Culture

MODULE 02 Introduction to DevSecOps

MODULE 03 DevSecOps Pipeline—Plan Stage

MODULE 04 DevSecOps Pipeline—Code Stage

MODULE 05 DevSecOps Pipeline—Build and Test Stage

MODULE 06 DevSecOps Pipeline—Release and Deploy Stage

MODULE 07 DevSecOps Pipeline—Operate and Monitor Stage

Exam Preference

Exam Code - E|CDE