

Certified DevSecOps Engineer



The GSDC Certified DevSecOps Engineer (CDSOE) is a certification highly coveted by those with expertise in developing, deploying, and maintaining secure software solutions using the latest devsecops methodologies.



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ABOUT CERTIFICATION

The certification exam evaluates the candidate's capacity to create, implement, and oversee secure software pipelines that comply with the highest industry standards. The GSDC Certified DevSecOps Engineer certification is a valuable asset for those who wish to demonstrate their proficiency in the devsecops field and stand out in the job market.

This certification validates the candidate's technical expertise and commitment to maintaining top-tier security standards throughout the software development lifecycle. With this devsecops certification, individuals can highlight their knowledge and abilities to potential employers, peers, and clients, and establish themselves as leaders in the devsecops community.

Overall, the GSDC Certified DevSecOps Engineer (CDSOE) certification is an essential certification for any devsecops professional looking to advance their career and remain ahead of the competition.

OBJECTIVES

The objective of DevSecOps Certification aims toward a thorough understanding of:

1. The purpose, benefits, concepts, and vocabulary of DevSecOps
2. Certify the candidate's proficiency in developing secure software solutions using devsecops methodologies
3. Evaluate the candidate's capacity to design, implement, and oversee secure software pipelines that comply with industry standards
4. Assess the candidate's expertise in automation, continuous integration and delivery, risk management, compliance, and security testing
5. Demonstrate the candidate's dedication to maintaining the highest security standards throughout the software development lifecycle
6. Provide candidates with a valuable asset to highlight their knowledge and abilities to potential employers, peers, and clients
7. Enable candidates to progress their careers and remain competitive in the devsecops field

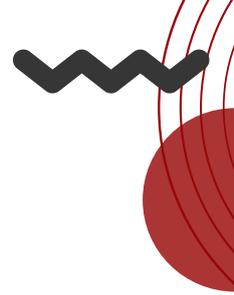
Our Accreditation:



The Global Skill Development Council (GSDC) is the leading third-party, Vendor neutral, international credentialing and certification organization. The Global Skill Development Council (GSDC) is proud to be ANSI Accredited Member. The American National Standards Institute (ANSI) is a private, non-profit organization that administers and coordinates the U.S. voluntary standards and conformity assessment system.

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COURSE SYLLABUS

1. Overview

- What is DevOps?
- What is DevSecOps?
- Tracing the origins of these practices
- Exploring related concepts
- Examining the advantages of DevSecOps
- Benefits of DevSecOps
- Identifying the guiding principles of DevOps

2. Modern Application Development: A Summary :

- The rise of Microservices architecture
- Comparing Microservices with Monoliths
- Exploring the Relationship between Microservices and APIs
- Advantages and disadvantages of adopting Microservices

3. Containerization: An Overview:

- What are Docker Containers?
- Developing applications using Containerization
- Advantages of Containerization
- Drawbacks of Containerization

4. Information Security: A Summary:

- Distinguishing Ethical Hacking, Cyber Security, and Information Security
- Essential Concepts of Information Security
- Career opportunities in Information Security
- Encryption techniques to protect sensitive data
- Effective Policy Management
- Password Management
- Implementing Secure Development LifeCycles
- Adhering to Standards, Best Practices, and Regulations
- Conducting Threat Modeling and Risk Management

5. Cloud Computing and Infrastructure as Code: A Summary:

- What is Cloud?
- What is Cloud Computing?
- Cloud Service Providers and their offerings
- Advantages of Cloud Computing
- Various Cloud Service Models
- Different Cloud Deployment Models

6. Continuous Integration/Continuous Deployment: A Summary:

- Understanding the Software Development Life Cycle (SDLC)
- Defining Integration, Delivery, and Deployment
- What is Continuous Integration/Continuous Deployment (CI/CD)?



GSDC Technical Advisory Board :



The GSDC is the leading certification association which brings together innovative organizations and founding thought-leaders as Technical Advisors from over 40 countries to design curriculum on Blockchain, Devops, Six Sigma & Agile Certifications.

Our Future Information **Target Audience**

- Compliance Team
- Delivery Staff
- DevOps Engineers
- IT Managers
- IT Security Professionals, Practitioners, and Managers
- Testers
- Managed Service Providers
- Project & Product Managers
- Quality Assurance Teams
- Release Managers
- Scrum Masters
- Site Reliability Engineers
- Software Engineers

Pre-requisites

Participants who want to achieve DevSecOps Certification should have a basic knowledge and understanding of the DevOps definition, principles, and knowledge of coding.

Find out more online at
www.gsdccouncil.org

