EDUSUM

#1 Online Certification Guide

EC-COUNCIL 312-97

EC-Council ECDE Certification Questions & Answers

Exam Summary – Syllabus –Questions

312-97

EC-Council Certified DevSecOps Engineer (ECDE)

100 Questions Exam – 70% Cut Score – Duration of 240 minutes

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Know Your 312-97 Certification Well:

The 312-97 is best suitable for candidates who want to gain knowledge in the EC-Council DevSecOps. Before you start your 312-97 preparation you may struggle to get all the crucial ECDE materials like 312-97 syllabus, sample questions, study guide.

But don't worry the 312-97 PDF is here to help you prepare in a stress free manner.
The PDF is a combination of all your queries like-

- What is in the 312-97 syllabus?
- How many questions are there in the 312-97 exam?
- Which Practice test would help me to pass the 312-97 exam at the first attempt?

Passing the 312-97 exam makes you EC-Council Certified DevSecOps Engineer (ECDE). Having the ECDE certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

EC-Council 312-97 ECDE Certification Details:

Exam Name	EC-Council Certified DevSecOps Engineer (ECDE)
Exam Code	312-97
Exam Price	$550 (USD)
Duration	240 mins
Number of Questions	100
Passing Score	70%
Books / Training	**Courseware**
Schedule Exam	**ECC Exam Center**
Sample Questions	**EC-Council ECDE Sample Questions**
Practice Exam	**EC-Council 312-97 Certification Practice Exam**

312-97 Syllabus:

Topic	Details
Understanding DevOps Culture	- This module of our DevSecOps course takes you through the foundational exploration of DevOps evolution and its role in the modern software development Life Cycle. Participants learn to implement DevOps methodologies in diverse environments, including on-premises, AWS, and Azure cloud settings. They grasp DevOps frameworks, Maturity Models in DevOps, assess security silos, and gain crucial insights to seamlessly integrate security across the developmental spectrum. This section equips professionals with the essential knowledge to merge DevOps culture and security measures.
Introduction to DevSecOps	- This module of DevSecOps certification addresses security challenges inherent in DevOps processes. Participants gain insights into the essence of DevSecOps, delving into its cultural and strategic aspects. They comprehend the significance of continuous security integration within the DevSecOps pipeline, focusing on minimizing security bottlenecks. The module also familiarizes learners with various DevSecOps tools and strategies pivotal for efficient security implementation. This section empowers application security and DevOps professionals to bridge the gap between development, operations, and security, ensuring a holistic approach towards secure software delivery.
DevSecOps Pipeline - Plan Stage	- This module explores crucial elements vital for fortifying the CI/CD pipeline. This segment delves into continuous threat modeling practices, equipping learners with the skills to seamlessly integrate threat modeling tools into the CI/CD pipeline. Additionally, cybersecurity professionals gain proficiency in gathering security requirements from business functionalities and addressing technical security debts effectively. The module emphasizes the significance of pre-commit checks during planning, ensuring proactive security measures. Moreover, participants receive comprehensive training in secure code practices and awareness, alongside mastering various security tools essential for a robust DevSecOps framework. This module empowers professionals to proactively embed security throughout the development lifecycle, ensuring resilient and secure

Topic	Details
	software deployment.
DevSecOps Pipeline-Code Stage	- This module focuses on integrating security measures seamlessly into the code-writing process. Attendees gain expertise in integrating security plugins into Integrated Development Environments (IDEs) and configuring code scanning for GitHub repositories. Additionally, they learn to implement and scan source code repositories effectively while integrating secret management tools for heightened security. The module also emphasizes integrating Software Composition Analysis (SCA) tools, providing comprehensive insights into integrating these tools with various platforms like IDEs, source code repositories, and CI/CD tools such as Travis CI, Jenkins, GitLab, AWS, and Microsoft Azure. This module will empower Certified DevSecOps professionals to proactively embed security protocols within the code stage, ensuring robust and secure software development practices.
DevSecOps Pipeline-Build and Test Stage	- This module focuses on integrating various security testing tools and frameworks seamlessly into the build and test stages. Attendees learn to incorporate Static Application Security Testing (SAST) tools and integrate them efficiently with cloud platforms like AWS and Microsoft Azure. Moreover, the module covers manual secure code review techniques, emphasizing their importance in identifying vulnerabilities. Participants also gain insights into Dynamic Application Security Testing (DAST) tools and their integration with cloud platforms. Additionally, they delve into Interactive Application Security Testing (IAST) tools and comprehend the intricacies of security testing frameworks. This module empowers professionals to proactively incorporate robust security testing practices into the development process, ensuring the delivery of security and resilience.
DevSecOps Pipeline-Release and Deploy Stage	- This module focuses on strengthening security during software release and deployment. Participants learn to integrate security tools like RASP, conduct penetration testing, and utilize vulnerability scanning. They explore Bug Bounty Programs and threat detection tools and adopt Infrastructure as Code (IaC) principles using Terraform, AWS CloudFormation, and configuration orchestration tools like Ansible, Chef, Puppet, and Azure Resource

Topic	Details
	Management. This module empowers professionals to ensure secure and resilient software deployment.
DevSecOps Pipeline-Operate and Monitor Stage	- This module focuses on maintaining security during software operations and monitoring. Participants learn to scan for vulnerabilities in Infrastructure as Code (IaC), secure containers, integrate monitoring tools, and adopt Compliance as Code (CaC) practices. They explore monitoring features in AWS and Azure, integrate a Web Application Firewall (WAF), and implement continuous feedback for proactive security. This module ensures robust security measures during software operations and monitoring. Enhance your skills and knowledge with our DevOps security certification. Become a Certified DevSecOps Engineer.

EC-Council 312-97 Sample Questions:

Question: 1

Benefits of integrating a SAST tool with Microsoft Azure include:

(Choose two)

a) Leveraging Azure's built-in security controls for enhanced scanning
b) Directly deploying code from SAST to production
c) Identifying Azure-specific security concerns
d) Streamlining the CI/CD pipeline

Answer: a, c

Question: 2

Which statements accurately describe DevSecOps?

(Choose two)

a) It prioritizes operational efficiency over security.
b) It integrates security practices throughout the DevOps lifecycle.
c) It involves only the security and operations teams.
d) It aims to automate security validations as much as possible.

Answer: b, d

Question: 3

A critical aspect of DevSecOps is the integration of tools. Which tool category is essential for identifying known vulnerabilities in dependencies?

a) Static Application Security Testing (SAST)
b) Dynamic Application Security Testing (DAST)
c) Software Composition Analysis (SCA)
d) Interactive Application Security Testing (IAST)

Answer: c

Question: 4

Effective monitoring in AWS should focus on what aspects?

a) User interface design
b) Billing and cost management
c) Application and infrastructure performance
d) Sales metrics

Answer: c

Question: 5

How does collaboration between development, security, and operations teams enhance DevSecOps?

a) By increasing team competition
b) By reducing the need for communication
c) By fostering a culture of shared responsibility
d) By isolating team functions

Answer: c

Question: 6

Pre-commit checks in a DevSecOps pipeline typically include:

a) Checking for code completeness
b) Scanning for secrets or credentials in code
c) Performance benchmarking
d) Final user acceptance testing

Answer: b

Question: 7

Integrating a DAST tool with AWS can help:
(Choose two)

a) Scan for vulnerabilities in deployed applications.
b) Automatically correct identified vulnerabilities.
c) Provide real-time monitoring of AWS resources.
d) Enhance the security of application deployment on AWS.

Answer: a, d

Question: 8

Which are advantages of integrating a vulnerability scanning tool in the release stage?
(Choose two)

a) Ensuring code quality
b) Identifying security vulnerabilities before live deployment
c) Increasing deployment speed
d) Reducing manual testing requirements

Answer: b, d

Question: 9

What is the key advantage of integrating AWS CloudFormation in the release and deploy stage?

a) To manage physical hardware setups
b) To automate AWS resource provisioning
c) To centralize application logging
d) To enhance cross-platform mobile development

Answer: b

Question: 10

When should penetration testing be conducted in the release and deploy stage?

a) Before the deployment process begins
b) After the deployment is complete
c) During the development phase
d) At the initiation of the project

Answer: a

Study Guide to Crack EC-Council ECDE 312-97 Exam:

- Getting details of the 312-97 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the 312-97 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the EC-Council provided training for 312-97 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the 312-97 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on 312-97 practice tests is must. Continuous practice will make you an expert in all syllabus areas.