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# EC-COUNCIL 312-96

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**EC-Council CASE Java Certification Questions & Answers**

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Exam Summary – Syllabus – Questions

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**312-96**  
**EC-Council Certified Application Security Engineer (CASE) - Java**  
**50 Questions Exam – 70% Cut Score – Duration of 120 minutes**

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## Know Your 312-96 Certification Well:

The 312-96 is best suitable for candidates who want to gain knowledge in the EC-Council Application Security. Before you start your 312-96 preparation you may struggle to get all the crucial CASE Java materials like 312-96 syllabus, sample questions, study guide.

But don't worry the 312-96 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 312-96 syllabus?
- How many questions are there in the 312-96 exam?
- Which Practice test would help me to pass the 312-96 exam at the first attempt?

Passing the 312-96 exam makes you EC-Council Certified Application Security Engineer (CASE) - Java. Having the CASE Java 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 312-96 CASE Java Certification Details:

Exam Name	EC-Council Certified Application Security <u>Engineer</u> (CASE) - Java
Exam Code	312-96
Exam Price	\$450 (USD)
Duration	120 mins
Number of Questions	50
Passing Score	70%
Books / Training	<a href="#"><b>Master Class</b></a>
Schedule Exam	<a href="#"><b>Pearson VUE</b></a> OR <a href="#"><b>EC-Council Store</b></a> , <a href="#"><b>ECC Exam Center</b></a>
Sample Questions	<a href="#"><b>EC-Council CASE Java Sample Questions</b></a>
Practice Exam	<a href="#"><b>EC-Council 312-96 Certification Practice Exam</b></a>

## 312-96 Syllabus:

Topic	Details	Weights
Understanding Application Security, Threats, and Attacks	<ul style="list-style-type: none"> <li>- Understand the need and benefits of application security</li> <li>- Demonstrate the understanding of common application-level attacks</li> <li>- Explain the causes of application-level vulnerabilities</li> <li>- Explain various components of comprehensive application security</li> <li>- Explain the need and advantages of integrating security in Software Development Life Cycle (SDLQ)</li> <li>- Differentiate functional vs security activities in SDLC</li> <li>- Explain Microsoft Security Development Lifecycle (SDU)</li> <li>- Demonstrate the understanding of various software security reference standards, models, and frameworks</li> </ul>	18%
Security Requirements Gathering	<ul style="list-style-type: none"> <li>- Understand the importance of gathering security requirements</li> <li>- Explain Security Requirement Engineering (SRE) and its phases</li> <li>- Demonstrate the understanding of Abuse Cases and Abuse Case Modeling</li> <li>- Demonstrate the understanding of Security Use Cases and Security Use Case Modeling</li> <li>- Demonstrate the understanding of Abuser and Security Stories</li> <li>- Explain Security Quality Requirements Engineering (SQUARE) Model</li> <li>- Explain Operationally Critical Threat, Asset, and Vulnerability Evaluation (OCTAVE) Model</li> </ul>	8%
Secure Application Design and Architecture	<ul style="list-style-type: none"> <li>- Understand the importance of secure application design</li> <li>- Explain various secure design principles</li> <li>- Demonstrate the understanding of threat modeling</li> <li>- Explain threat modeling process</li> <li>- Explain STRIDE and DREAD Model</li> <li>- Demonstrate the understanding of Secure Application Architecture Design</li> </ul>	12%
Secure Coding Practices for Input Validation	<ul style="list-style-type: none"> <li>- Understand the need of input validation</li> <li>- Explain data validation techniques</li> <li>- Explain data validation in strut framework</li> <li>- Explain data validation in Spring framework</li> <li>- Demonstrate the knowledge of common input</li> </ul>	8%

Topic	Details	Weights
	validation errors - Demonstrate the knowledge of common secure coding practices for input validation	
Secure Coding Practices for Authentication and Authorization	- Understand authentication concepts - Explain authentication implementation in Java - Demonstrate the knowledge of authentication weaknesses and prevention - Understand authorization concepts - Explain Access Control Model - Explain EJB authorization - Explain Java Authentication and Authorization (JAAS) - Demonstrate the knowledge of authorization common mistakes and countermeasures - Explain Java EE security - Demonstrate the knowledge of authentication and authorization in Spring Security Framework - Demonstrate the knowledge of defensive coding practices against broken authentication and authorization	4%
Secure Coding Practices for Cryptography	- Understand fundamental concepts and need of cryptography In Java - Explain encryption and secret keys - Demonstrate the knowledge of cipher class Implementation - Demonstrate the knowledge of digital signature and Its Implementation - Demonstrate the knowledge of Secure Socket Layer ISSUand Its Implementation - Explain Secure Key Management - Demonstrate the knowledgeofdigital certificate and its implementation - Demonstrate the knowledge of Hash implementation - Explain Java Card Cryptography - Explain Crypto Module in Spring Security - Demonstrate the understanding of Do's and Don'ts in Java Cryptography	6%
Secure Coding Practices for Session Management	- Explain session management in Java - Demonstrate the knowledge of session management in Spring framework - Demonstrate the knowledge of session vulnerabilities and their mitigation techniques - Demonstrate the knowledge of best practices and guidelines for secure session management	10%
Secure Coding Practices for Error Handling	- Explain Exception and Error Handling in Java - Explain erroneous exceptional behaviors - Demonstrate the knowledge of do's and don'ts in	16%

Topic	Details	Weights
	error handling - Explain Spring MVC error handling - Explain Exception Handling in Struts2 - Demonstrate the knowledge of best practices for error handling - Explain to Logging in Java - Demonstrate the knowledge of Log4j for logging - Demonstrate the knowledge of coding techniques for secure logging - Demonstrate the knowledge of best practices for logging	
Static and Dynamic Application Security Testing (SAST & DAST)	- Understand Static Application Security Testing (SAST) - Demonstrate the knowledge of manual secure code review techniques for most common vulnerabilities - Explain Dynamic Application Security Testing - Demonstrate the knowledge of Automated Application Vulnerability Scanning Tools for DAST - Demonstrate the knowledge of Proxy-based Security Testing Tools for DAST	8%
Secure Deployment and Maintenance	- Understand the importance of secure deployment - Explain security practices at host level - Explain security practices at network level - Explain security practices at application level - Explain security practices at web container level (Tomcat) - Explain security practices at Oracle database level - Demonstrate the knowledge of security maintenance and monitoring activities	10%

## EC-Council 312-96 Sample Questions:

### Question: 1

An application is said to be secure when it ensures \_\_\_ of its restricted resources.

- a) confidentiality, integrity and availability
- b) confidentiality
- c) confidentiality, integrity and authenticity
- d) authenticity and availability

**Answer: a**

**Question: 2**

Which of the following is not part of SDLC?

- a) Development
- b) Sales
- c) Design
- d) Deployment

**Answer: b**

**Question: 3**

Cost of Fixing vulnerabilities will be highest at which phase of SDLC?

- a) testing
- b) deployment
- c) design
- d) development

**Answer: b**

**Question: 4**

\_\_\_ may provide path to the attackers to perform injection attacks such as XSS attack, SQL injection attack, etc.,

- a) Insufficient Transport Layer Protection
- b) Insecure Direct Object Reference
- c) Improper Error Handling
- d) Improper Input Validation

**Answer: d**

**Question: 5**

Which of the following exceptions can occur due to Denial Of Service attack?

- a) Out Of Memory Error
- b) None of them
- c) Stack Over Flow Error
- d) Both of them

**Answer: c**

**Question: 6**

\_\_\_ blocks must be used to clean up code such as releasing resources, closing input I/O streams and deleting files.

- a) Finally
- b) Try
- c) Catch
- d) Throw

**Answer: a****Question: 7**

\_\_\_ is thrown when a thread is interrupted while sleeping or waiting.

- a) Null Pointer Exception
- b) Arithmetic Exception
- c) Out Of Memory Error
- d) Interrupted Exception

**Answer: c****Question: 8**

What are the types of SAST?

- a) None of them
- b) Automated Source Code Analysis
- c) Both of them
- d) Manual Source Code Review

**Answer: c****Question: 9**

A successful application level attack may result into:

- a) All of the these
- b) Damages Reputation
- c) Financial Loss
- d) Disclosure of Business Information

**Answer: a**



**Question: 10**

In which phase of SDLC should you use SAST?

- a) Testing
- b) Development
- c) Design
- d) Release

**Answer: b**

## Study Guide to Crack EC-Council CASE Java 312-96 Exam:

- Getting details of the 312-96 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 312-96 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 312-96 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 312-96 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 312-96 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

## Reliable Online Practice Test for 312-96 Certification

Make EduSum.com your best friend during your EC-Council Application Security Engineer - Java exam preparation. We provide authentic practice tests for the 312-96 exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual 312-96 exam. We guarantee you 100% success in your first exam attempt if you continue practicing regularly. Don't bother if you don't get 100% marks in initial practice exam attempts. Just utilize the result section to know your strengths and weaknesses and prepare according to that until you get 100% with our practice tests. Our evaluation makes you confident, and you can score high in the 312-96 exam.

**Start Online practice of 312-96 Exam by visiting URL**

**<https://www.edusum.com/ec-council/312-96-ec-council-application-security-engineer-java>**