

DevOps Institute DOEF

DEVOPS INSTITUTE DEVOPS ENGINEERING FOUNDATION
CERTIFICATION QUESTIONS & ANSWERS

Exam Summary – Syllabus – Questions

DOEF

[DevOps Institute Certified DevOps Engineering Foundation \(DOEF\)](#)

40 Questions Exam – 65% Cut Score – Duration of 60 minutes

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Know Your DOEF Certification Well:

The DOEF is best suitable for candidates who want to gain knowledge in the DevOps Institute Software Development Practices. Before you start your DOEF preparation you may struggle to get all the crucial DevOps Engineering Foundation materials like DOEF syllabus, sample questions, study guide.

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

Passing the DOEF exam makes you DevOps Institute Certified DevOps Engineering Foundation (DOEF). Having the DevOps Engineering Foundation certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

DevOps Institute DOEF DevOps Engineering Foundation Certification Details:

Exam Name	DevOps Engineering Foundation
Exam Code	DOEF
Exam Fee	USD \$235
Exam Duration	60 Minutes
Number of Questions	40
Passing Score	65%
Format	Multiple Choice Questions
Books / Trainings	ONLINE LEARNING
Schedule Exam	DevOps Institute
Sample Questions	DevOps Institute DevOps Engineering Foundation Exam Sample Questions and Answers
Practice Exam	DevOps Institute Certified DevOps Engineering Foundation (DOEF) Practice Test

DOEF Syllabus:

Topic	Details
DevOps Engineering Introduction	- Sound DevOps engineering depends on a foundational understanding of DevOps principles, practices, related frameworks, performance and benefits.
DevOps Technology	- The technology heart of DevOps is source and artifacts control, CI/CD pipelines, tools and toolchains, application release automation, and value stream management..
Architectures & Continuous Integration	- Modular applications architected as microservices, packaged in containers, work best with continuous integration processes.
Continuous Testing	- Fast DevOps lead times require that testing solutions be engineered around key tenets of continuous testing. strategies for test creation, TDD, test acceleration, test results, test management, and test environment management.
Ephemeral Elastic Infrastructures	- DevOps works best when engineered for virtual and cloud resources using configuration management, infra-as-code, containers orchestration, and GitOps
Continuous Delivery & Deployment	- DevOps for Continuous Delivery and Deployment requires engineering release automation and leveraging deployment strategies.
Metrics, Monitoring, Observability, Governance	- Visibility and controls for DevOps requires metrics, monitoring, observability, and governance.
DevOps Engineering Humans	- DevOps can not succeed by engineering technology and processes alone. The right culture, specific team topologies, commitment to continuous learning, and awareness of future DevOps trends are essential.

DevOps Institute DOEF Sample Questions:

Question: 1

How does shift-left testing improve software quality in DevOps?

- a) By delaying testing until after deployment
- b) By ensuring security is only tested in production
- c) By detecting defects earlier in the development lifecycle
- d) By eliminating the need for automated testing

Answer: c

Question: 2

What advantages do ephemeral environments provide for software development and testing?

(Select two)

- a) Developers can spin up temporary environments for testing without affecting production.
- b) Reduces infrastructure costs by deallocating unused resources.
- c) Guarantees the same hardware for all workloads.
- d) Requires extensive manual setup for every new test environment.

Answer: a, b

Question: 3

Why is cultural transformation an essential part of DevOps adoption?

- a) Because DevOps focuses only on automation tools
- b) Because collaboration and shared responsibility improve efficiency
- c) Because DevOps eliminates the need for development teams
- d) Because compliance regulations require cultural changes

Answer: b

Question: 4

What is the primary characteristic of ephemeral infrastructure in a DevOps environment?

- a) Infrastructure components are manually configured for long-term stability.
- b) Resources are provisioned temporarily and destroyed when no longer needed.
- c) It eliminates the need for cloud computing in DevOps.
- d) It ensures that all infrastructure remains unchanged for reliability.

Answer: b

Question: 5

Which metric is most commonly used to measure system availability in DevOps?

- a) Mean Time to Detect (MTTD)
- b) Mean Time Between Failures (MTBF)
- c) Change Failure Rate (CFR)
- d) Deployment Frequency

Answer: b

Question: 6

What is the primary objective of Site Reliability Engineering (SRE) in DevOps?

- a) To create separate development and operations teams
- b) To increase system reliability through automation and proactive incident management
- c) To replace software developers with AI-based automation
- d) To ensure all processes are managed manually for greater control

Answer: b

Question: 7

DevOps promotes a culture of _____ by encouraging collaboration, shared responsibility, and continuous feedback.

- a) Bureaucracy
- b) Automation
- c) Ownership
- d) Resistance

Answer: c

Question: 8

How does Continuous Deployment differ from Continuous Delivery?

- a) Continuous Deployment automates releases to production without manual intervention
- b) Continuous Deployment requires manual approvals before every production release
- c) Continuous Delivery eliminates the need for automated testing
- d) Continuous Deployment only applies to on-premises infrastructure

Answer: a

Question: 9

In a Blue-Green deployment strategy, the _____ environment serves live traffic while the new release is tested in the other environment.

- a) Active
- b) Passive
- c) Staging
- d) Development

Answer: a

Question: 10

Which are common DevOps monitoring tools?

(Select two)

- a) Grafana
- b) Nagios
- c) Excel
- d) Microsoft Word

Answer: a, b

Study Guide to Crack DevOps Institute DevOps Engineering Foundation DOEF Exam:

- Getting details of the DOEF 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 DOEF 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 DevOps Institute provided training for DOEF 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 DOEF 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 DOEF practice tests is must. Continuous practice will make you an expert in all syllabus areas.

Reliable Online Practice Test for DOEF Certification

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