



PeopleCert

Exam Questions DevOps-SRE

PeopleCert DevOps Site Reliability Engineer (SRE)

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NEW QUESTION 1

Why is it important to have the future growth envelope outlined?

- A. To ensure only signed artifacts are deployed
- B. To ensure that the service can meet current and future scale estimates
- C. To review Service Level Objectives and Service Level Indicators
- D. To review or revise Error Budgets

Answer: B

NEW QUESTION 2

When outages are repetitive and similar, they become a form of toil.

Which of the following describes the MOST compelling reason to adopt advanced technologies and artificial intelligence (AI)?

- A. To increase reliability by reducing MTTR and MTRS
- B. To increase the mean time to repair services (MTTR)
- C. To increase the mean time to restore services (MTRS)
- D. To increase reliability and achieve perfect MTRS

Answer: A

NEW QUESTION 3

Service Level Indicator data helps to understand how much Error Budget is left. TRUE or FALSE?

- A. True
- B. False

Answer: A

NEW QUESTION 4

Why would some Service Level Indicators require client-side data?

- A. There may be metrics affecting users that are not reflected on the server side
- B. It would be difficult to negotiate service level agreements with customers without client data
- C. It would be difficult to engineer external automation without client side data
- D. Service Level Objectives may not be achievable without client side data

Answer: A

NEW QUESTION 5

Which type of engineering work will reduce toil within the service?

- A. Continuous delivery pipelines
- B. Scripts and automation tools outside of the service
- C. Scalable infrastructure
- D. Internal automation

Answer: D

NEW QUESTION 6

Which of the following BEST describes capacity planning?

- A. Monitoring the percentage of capacity of resources being used over a time period
- B. Activities performed to manage provider resources and provide multiple services
- C. Activities used to create a plan that manages resources to meet service demand
- D. Determining the maximum amount that any resource can accommodate or deliver

Answer: C

NEW QUESTION 7

Microservices are independent services that are developed, deployed, and maintained separately.

Which of the following BEST justifies the use of this application architecture?

- A. Modernizing and refactoring legacy applications
- B. Modernizing the user interface of the core system
- C. Creating a simple, lightweight business application
- D. Building a basic product fast, as a proof of concept

Answer: A

NEW QUESTION 8

Which of the following BEST describes the capabilities and scope of DevOps continuous monitoring?

- A. The application of widespread system event monitoring by automating the end-user transactions
- B. The combination of tools and the process for rapid incident detection and response of cloud services
- C. The use of multiple monitoring tools and an event management process for all applications
- D. The deployment of a set of integrated monitoring tools and event thresholds for infrastructure

Answer: B

NEW QUESTION 9

Which of the following is the LEAST useful metric when working to improve antifragility?

- A. Mean Time To Detect
- B. Service Level Objective
- C. Deployment frequency
- D. Recovery Point Objective

Answer: C

NEW QUESTION 10

In a blameless post-mortem, those involved report

- A. Without fear of retribution
- B. Assumptions they had made
- C. Both A and B
- D. Using testing data

Answer: C

NEW QUESTION 10

example of which of the following?

- A. A follow-up culture
- B. A major incident culture
- C. A postmortem culture
- D. A problem culture

Answer: C

NEW QUESTION 14

Who codifies software-defined networks (SDNs) and applies SDLC principles to build, test and deploy network changes?

- A. Site Reliability Engineer (SRE)
- B. Network Reliability Engineer (NRE)
- C. Customer Reliability Engineer
- D. Database Reliability Engineer

Answer: B

NEW QUESTION 18

Which of the following is a principle of SRE-Led Service Automation?

- A. No automated tests in production
- B. Environments provisioned using IaC
- C. Using unsigned artifacts in production
- D. Adding as much hardware as possible

Answer: B

NEW QUESTION 20

Which of the following BEST defines the golden signal for errors?

- A. The time it takes to service successful as well as failed requests
- B. The rate of failed requests—either explicitly, implicitly, or by policy
- C. The demand placed on your system by the volume of requests
- D. The percent of capacity used by your system for current requests

Answer: B

NEW QUESTION 22

Which of the following BEST describes a business continuity plan?

- A. The way the organization maintains operations during a disaster
- B. The way that data, files, applications, and systems are restored
- C. The activity of returning a configuration item back to normal
- D. The management of risks that seriously affect the organization

Answer: A

NEW QUESTION 25

Which of the following BEST describes the two key elements that an error budget balances?

- A. Risk and reward
- B. Innovation and reliability
- C. Features and benefits
- D. Time and money

Answer: B

NEW QUESTION 27

Which of the following BEST illustrates the engineering approach for work done within SRE?

- A. An SRE is rapidly coding a solution to automate a daily tuning activity by following a set of best practices and principles.
- B. An SRE is designing a solution to eliminate toil and scale up service delivery by learning from other successful solutions.
- C. An SRE is deploying a solution using an end-to-end pipeline that has been carefully analyzed from the start.
- D. An SRE is resolving an incident as quickly as possible using a well-designed implemented process and knowledge base.

Answer: B

NEW QUESTION 28

Which of the following is the BEST description of a Customer Reliability Engineer (CRE)?

- A. They take a software engineering approach to redesign all cloud services
- B. They use deep engineering expertise to improve the cloud provider's services
- C. They work with the cloud provider's SRE team to ship and build new features
- D. They integrate with the customer's operations team to share responsibilities

Answer: D

NEW QUESTION 32

The new SRE team is advocating against a fixed Error Budget. Why are fixed Error Budgets better?

- A. They create more toil
- B. They encourage working in smaller batches that reduces risk
- C. Fixed Error Budgets are never exceeded
- D. They help predict outages

Answer: B

NEW QUESTION 33

What is the goal of SRE?

- A. To spend 50% of a SRE's time on operational tasks and 50% of the time on development tasks to reduce toil
- B. To ensure that Service Level Objectives are consistently met through monitoring and observability
- C. To create highly reliable post-deployment operational systems that align with DevOps and Agile
- D. To create ultra-scalable and highly reliable distributed software systems

Answer: D

NEW QUESTION 34

What is the primary difference between SRE and DevOps?

- A. SRE is an implementation of DevOps but focuses mostly on post-production responsibilities
- B. DevOps is mostly for software engineers and SRE is mostly for infrastructure engineers
- C. DevOps encourages closer collaboration between development and operations whereas SRE is about building a silo around production operations
- D. DevOps and SRE are the same thing

Answer: A

NEW QUESTION 35

Which of the following BEST describes an advantage of a container-based structure?

- A. The portability created by containers enables software to run independently of the host operating system
- B. The lightweight nature of containers requires fewer developers to actually create the software code
- C. Software runs much more efficiently in containers because of the ability to run on virtual machines
- D. The security of applications in containers is simplified because they share the security of the host system

Answer: A

NEW QUESTION 39

Which scenario BEST illustrates how stability and agility can be achieved with simplicity?

- A. An SRE team is adopting easy-to-understand change procedures to streamline the process
- B. An SRE team is releasing a major update by automating continuous and small deployments
- C. An SRE team is creating procedures, practices, and tools that render software more reliable
- D. An SRE team is protecting reliability by using processes and procedures to control updates

Answer: B

NEW QUESTION 43

A bank has been using traditional monitoring tools for ensuring that their systems are available and operating as planned. Their strategic initiatives now include a renewed focus on customer experience as well as identifying ways to scale service.

Why would migrating to an observability approach be important now?

- A. It's better for managing container workloads and dynamic architectures
- B. Monitoring at the component level may no longer provide the right data
- C. It is impossible to anticipate all potential problems
- D. All of the above

Answer: D

NEW QUESTION 48

Which of the following is the BEST example of an SRE team that embraces full-service ownership?

- A. The team is responsible for the coding and improvement of the application.
- B. The team is accountable for the application development and performance.
- C. The team is responsible for application performance and reliability aspects.
- D. The team is accountable for coding, shipping, and improving the application.

Answer: D

NEW QUESTION 51

In a safety culture, engineers are allowed to do more with the production environment without fear of repercussions.

What else do engineers need to do?

- A. Share production incidents on social media
- B. Be accountable for their actions
- C. Skip all blameless post-mortems
- D. Avoid being on-call

Answer: B

NEW QUESTION 55

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