PeopleCert

Exam Questions DevOps-SRE

PeopleCert DevOps Site Reliability Engineer (SRE)

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NEW QUESTION 1
Service Level Indicator data helps to understand how much Error Budget is left. TRUE or FALSE?

A. True
B. False

Answer: A

NEW QUESTION 2
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 3
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 4
Which of the following BEST describe the characteristics of a product team?
? They are small and collaborative
? They have cross-functional skillsets
? They do not share responsibilities
? They discourage any feedback

A. 1 and 2
B. 2 and 3
C. 3 and 4
D. 1 and 4

Answer: A

NEW QUESTION 5
Which of these approaches can alleviate linear scaling toil?

A. Manual scaling of services
B. Using auto-scaling capabilities
C. Outsourcing development
D. Switching cloud providers

Answer: B

NEW QUESTION 6
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 7
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 8

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 9
A team has exceeded their error budget by 10% in a particular month. Give an example of what should happen next as a consequence.

A. Sprint planning may only pull post-mortem action items from the backlog
B. The Error Budget is reviewed to determine if it was realistic for the product or timeline
C. The Error Budget is extended for another month to determine if this breach was an anomaly
D. The error budget is ignored in subsequent months as it is creating the wrong kind of behavior

Answer: A

NEW QUESTION 10
What is one of the key characteristics of a Service Level Indicator (SLI)?

A. It must be captured in a Service Level Agreement (SLA)
B. It should focus on server-side metrics
C. It must have a time horizon
D. It must be agreed to by the SRE team and the Agile Team

Answer: C

NEW QUESTION 10
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 11
An organization is experiencing significant turnover of IT operational staff with most not staying more than one year. The HR Director and IT Director are trying to determine why they are having difficulty retaining IT operations professionals. What could be one of the reasons?

A. Overload and disruptive work patterns
B. Lack of time for skills development
C. More time spent managing the backlog than fixing problems
D. All of the above

Answer: D

NEW QUESTION 14
Which of the following BEST describes how to contribute to achieving higher levels of availability?
? Measuring the critical aspects
? Maintaining a close relationship with development teams
? Measuring staff performance
? Maintaining a close interval between detection and correction

A. 1 and 2
B. 2 and 3
C. 3 and 4
D. 1 and 4

Answer: D

NEW QUESTION 16
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 17

What is the benefit of strategically burning the Error Budget to zero every month?

A. It allows a balance between velocity and stability
B. It allows for the measurement of capacity and reliability
C. It can be revised every month as necessary
D. It creates a dialog between strategic partners

Answer: A

NEW QUESTION 22
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 25
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 29
An organization has invested heavily in ITIL and ITSM processes. What's one way that SRE can support ITSM activities?

A. SRE can help the Change Advisory Board (CAB) approve changes by adhering to an Error Budget
B. SRE can help with ITSM compliance activities through automation & engineering
C. SRE can work with ITSM tool vendors to accelerate ticket creation and closure
D. SRE can engineer a configuration management system to capture assets and documentation

Answer: B

NEW QUESTION 33
What types of outages must fit into an Error Budget?

A. Unplanned incidents
B. Defect fixes
C. Any planned or unplanned outage
D. Any change approved by the CAB or decision authority

Answer: C

NEW QUESTION 34
Reliability is a key pillar of digital experience monitoring and incident management. Which of the following describes the BEST type of reliability monitoring strategy in SRE?

A. A strategy that uses traditional and familiar monitoring tools rather than advanced artificial intelligence
B. A strategy that instruments observability and provides monitoring insights across all components and layers
C. A strategy that focuses on monitoring and discovering useful patterns in the performance of all active networks
D. A strategy that harnesses advanced technologies to measure, analyze, and maintain the fitness of applications

Answer: B

NEW QUESTION 35
Which of the following describes work that would be considered "toil"?

A. Work that is devoid of enduring value
B. Work that has some enduring value but requires manual tasks
C. Engineering work to add service features
D. Engineering work that does not add enduring value

Answer: A

NEW QUESTION 38
Which of the following communication and collaboration practices BEST contribute to the effectiveness of the SRE team?

A. Project managers share limited data only upon request.
B. Data is flowing freely within and around the SRE team.

C. Data in SRE should be managed separately from others.
D. Team members should manage their own data discretely.

Answer: B

NEW QUESTION 43
Which of the following is NOT a SRE principle?

A. Operations is a software problem
B. Automate what is currently done manually
C. Toil is not important work
D. Reduce the cost of failure

Answer: C

NEW QUESTION 44
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