Module 9 Answer

1. Which of the following is not one of the four areas of the performance efficiency pillar of the AWS Well-Architected Framework? (Select the best answer.)

   ○ Tradeoffs

   ○ Selection

   ◉ Traceability

   ○ Monitoring

   Correct

   Traceability is not one of the four areas of the Performance Efficiency pillar of the AWS Well-Architected Framework.

   Continue

2. Which of the following is a principle when designing cloud-based systems? (Select the best answer.)

   ○ Build tightly-coupled components

   ○ Make infrequent, large batch changes

   ◉ Assume everything will fail

   ○ Use as many services as possible

   Correct

   Assume everything will fail.

   Continue

3. Which of the following are pillars of the AWS Well-Architected Framework? (Choose three.)

- ☑ Security
- ☐ Persistence
- ☑ Operational Excellence
- ☑ Cost Optimization

Correct

Operational excellence, security, and cost optimization are pillars of the AWS Well-Architected Framework.

Continue

4. Which design principles are recommended when considering performance efficiency? (Choose two.)

- ☑ Use serverless architectures
- ☑ Democratize advanced technologies
- ☐ Analyze and attribute expenditure
- ☐ Enable traceability
- ☐ Match supply with demand

Correct

"Use serverless architectures" and "democratize advanced technologies" are design principles that are recommended when considering performance efficiency.

Continue

5. AWS Trusted Advisor provides insight regarding which five categories of an AWS account? (Select the best answer.)

○ Performance, cost optimization, access control, connectivity, security

○ Security, fault tolerance, high availability, connectivity, service limits

● Performance, cost optimization, security, fault tolerance, service limits

○ Security, access control, high availability, performance, service limits

Correct

Performance, cost optimization, security, fault tolerance, and service limits are the five categories.

Continue

6. What is the focus of the sustainability pillar of the Well-Architected Framework? (Select the best answer.)

○ Designing workloads that recover quickly from failures

● Minimizing the environmental impacts of running cloud workloads

○ Avoiding unnecessary costs in cloud workloads

○ Automating updates to cloud workloads

Correct

Key topics of the sustainability pillar include a shared responsibility model for sustainability, understanding impact, and maximizing utilization to minimize required resources and reduce downstream impacts.

Continue

7. After you move to the AWS Cloud, you want to ensure that the right security settings are put in place. Which online tool can assist in security compliance? (Select the best answer.)

- ◯ Amazon Kinesis
- ◯ AWS Support
- ◉ AWS Trusted Advisor
- ◯ Amazon CloudWatch

Correct

AWS Trusted Advisor is an online resource to help you reduce cost, increase performance, and improve security by optimizing your AWS environment.

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8. Which of the following is a measure of your system's ability to provide functionality when desired by the user? (Select the best answer.)

- ◯ Availability
- ◯ Fault Tolerance
- ◉ Reliability
- ◯ Performance efficiency

Correct

Reliability is a measure of your system's ability to provide functionality when desired by the user.

Continue

9. What is defined as the ability for a system to remain operational even if some of the components of that system fail? (Select the best answer.)

- ○ High durability
- ● Fault tolerance
- ○ High availability
- ○ High durability

Correct

Fault tolerance is the ability for a system to remain operational even if some of the components of that system fail.

Continue

10. Which of the following best describes a system that can withstand some measures of degradation, experiences minimal downtime, and requires minimal human intervention? (Select the best answer.)

- ○ Scalable
- ○ Fault-tolerant
- ○ Elastic
- ● Highly available

Correct

A highly available system is always available, without the need for human intervention.

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