

AWS MODULE 9

The screenshot shows the AWS Academy interface for Module 9 Knowledge Check. The browser address bar displays the URL: `awsacademy.instructure.com/courses/47457/assignments/432821?module_item_id=4078707`. The left sidebar contains navigation links: Home, Account, Dashboard, Courses, Calendar, Inbox, History, and Help. The main content area is titled "Module 9 Knowledge Check" and shows a question: "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.)". The options are: Tradeoffs, Selecti, Tracea, and Monito. A modal dialog box is displayed over the question, indicating the answer is "Correct" and stating: "Traceability is not one of the four areas of the Performance Efficiency pillar of the AWS Well-Architected Framework." The dialog has a "Continue" button. At the bottom of the question area, there are "Previous" and "Next" navigation buttons.

The screenshot shows the AWS Academy interface for Module 9 Knowledge Check, continuing from the previous question. The browser address bar displays the URL: `awsacademy.instructure.com/courses/47457/assignments/432821?module_item_id=4078707`. The left sidebar contains navigation links: Home, Account, Dashboard, Courses, Calendar, Inbox, History, and Help. The main content area is titled "Module 9 Knowledge Check" and shows a question: "2. Which of the following is a principle when designing cloud-based systems? (Select the best answer.)". The options are: Build tightly-coupled components, Make i, Assum, and Use as. A modal dialog box is displayed over the question, indicating the answer is "Correct" and stating: "Assume everything will fail." The dialog has a "Continue" button. At the bottom of the question area, there are "Previous" and "Next" navigation buttons.

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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.

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

- ☒ Democratize advanced technologies
- ☐ Analyze and use as few services as possible
- ☒ Use serverless architectures
- ☐ Enable horizontal scaling
- ☐ Match resource capacity to the task at hand

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

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

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

☒ Performance, cost optimization, security, fault tolerance, and service limits

☐ Performance, cost optimization, security, fault tolerance, and service limits

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

Correct

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

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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 IAM
- ☐ AWS Security Center
- ☒ AWS Trusted Advisor
- ☐ Amazon GuardDuty

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

Correct

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

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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 density

Correct

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

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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.)

- ☐ Scalability
- ☐ Fault-tolerance
- ☐ Elasticity
- ☒ High availability

Correct

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

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