



You completed this test on *09/11/2021, 09:40*  
Your score is 80.00%

CORRECT ☆☆☆

Which of the following are types of cloud computing deployments? (Choose THREE)

Mixed cloud

✓ ***Private cloud***

✓ ***Hybrid cloud***

✓ ***Public cloud***

CORRECT

Adding resources to your application as user demand grows is an example of which cloud concept?

High Availability

✓ ***Scalability***

Automation

Elasticity

INCORRECT

What is the very popular "as a Service" model that permits cloud providers to make applications available and accessible typically from anywhere?

**SaaS**

✗ ***IaaS***

GaaS

PaaS

CORRECT

Systems applying the cloud architecture principle design of elasticity will:

✓ ***Create systems that scale to the required capacity based on changes in demand***

accelerate the design process because recovery from failure is automated, reducing the need for testing

minimize storage requirements by reducing logging and auditing activities

enable AWS to automatically select the most-effective services

INCORRECT

Which of the following best describes the ability to scale computing resources up or down easily, while only paying for the resources used?

Fault-tolerance

**Elasticity**

Scalability

✗ *High Availability*

CORRECT

Which of the following is not a major contributor to the agility that AWS provides?

The culture of innovation

Experimentation

Speed

✓ ***Governance***

CORRECT

Which of the following examples supports the cloud design principle “design for failure and nothing will fail”?

Using Amazon CloudWatch alerts to monitor performance

Creating and deploying the most cost-effective solution

Adding an elastic load balancer in front of a single Amazon Elastic Compute Cloud (Amazon EC2) instance

✓ ***Deploying an application in multiple availability zones***

INCORRECT

The Chief Marketing Officer of the hotel chain you work for would like to implement voice recognition capabilities in rooms so customers can request services without picking up the phone. Competitors have already begun rolling out these technologies in an attempt to improve their customers’ experience. Which benefit of the AWS cloud would you most emphasize to the CMO in your business case for creating an AWS-based solution?

Elasticity

✗ *Deploy Globally in Minutes*

**Agility**

Cost Savings

CORRECT ☆☆☆

Which of the following are advantages of cloud computing? (Choose THREE)

✓ ***Variable expense***

No specialist knowledge required

✓ ***Elasticity - you need not worry about capacity***

✓ ***Agility - Decreasing the time to start new services***

Requires large amounts of capital

CORRECT

Ensuring that you have traceability is critical in AWS. Traceability typically falls under what AWS design pillar?

Performance efficiency

✓ ***Security***

Operational excellence

Cost optimization

CORRECT

Which of the following best describes a system that is always online — without the need for human intervention?

☐

Fault Tolerant

☒

**Highly Available**

☐

Scalable

☐

Elastic

CORRECT

Which of the following best describes a system that is always available — without the need for human intervention?

☐

Elastic

☐

Scalable

☐

Fault tolerant

☒

**Highly Available**

CORRECT

What term is commonly used for the cloud’s capability to scale outward and inward automatically, based on demand?

☐

Reliability

☐

Agility

☐

Fault tolerance

☒

**Elasticity**

CORRECT

Which of the following best describes a system that will remain operational even in the event of a component failure?

☐

Elastic

☐

Scalable

☐

Highly Available

☒

**Fault-tolerant**

CORRECT

Deploying your EC2 instances across multiple AZs will help address which Cloud Concept?

☒

**High Availability**

☐

Scalability

☐

Elasticity

☐

Automation

CORRECT ☆☆☆☆

Which of the following are principles of sound cloud design? (Choose FOUR)

☐

Limit the number of 3rd-party services

☒

**Infrastructure as code**

☐

Tightly-coupled components

☐

Treat your servers like pets, not cattle

- ✓ **Disposable resources**
- ✓ **Assume *\*everything\** will fail**
- ✓ **Scalability**

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INCORRECT

If you have a new application and you are not sure about future demand, which of the below characteristics of cloud make cloud an ideal place to host it? (Choose THREE)

- ✓ **No upfront**
  - No single point of failure
  - Performance Efficiency
  - Scalability**
- ✓ **Pay as you go**
- ✗ **High Availability**

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CORRECT ☆☆☆

Which of the following are characteristics of cloud computing? (Choose THREE)

- No extra skills or training are required
- ✓ **Pay-as-you-go pricing**
- ✓ **On-demand delivery**
  - Cloud charges are capital expenditure
- ✓ **Services are delivered via the internet**

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CORRECT

Which of the following are principles of sound design when it comes to performance efficiency? (Choose TWO)

- ✓ **Use serverless architecture**
  - Mechanical empathy
- ✓ **Deploy into multiple Regions to go global in minutes**
  - Have your IT staff master all new technologies

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INCORRECT ☆☆

Which of the following are principles of sound design when it comes to reliability? (Choose TWO)

- ✓ **Scale horizontally**
  - When in doubt, over provision
- ✗ **Manage change at the individual resource level**
  - Stop guessing about your capacity requirements**

