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# Cloud Foundations Quiz

Type	:	Graded Quiz
Attempts	:	2/3
Questions	:	20
Time	:	1h
Scoring Policy	:	Highest Score
Due Date	:	Apr 19, 11:00 PM
Your Score	:	90/100

Instructions

▼

RETAKE

## Attempt History

Date	Attempt	Marks	
Apr 15, 10:37 PM	2	90	<a href="#">Hide answers</a>

Question No: 1

Correct Answer

Cloud Providers are required to follow open standards.

☐ True

☒ False

You Selected

**Question No: 2****(Correct Answer)**

This is a myth - You must create a basic architecture prior to any cloud implementation.

☐ True☒ False**You Selected****Question No: 3****(Correct Answer)**

Session affinity

☐ Parallel processing of a multiple session requests by different instances☐ Cannot override load balancing algorithm☒ Directs all requests in a session to a specific application server**You Selected**☐ The load of a session will be evenly distributed by the load balancer**Question No: 4****(Correct Answer)**

Cloud provider will guarantee security under all circumstances.

☒ False**You Selected**☐ True**Question No: 5****(Correct Answer)**

You have provisioned 5 servers from your cloud provider to host your application. A transient spike in application usage leads your provider to add an extra 5 servers to handle the spike. As soon as the load lessens, the extra 5 servers are deprovisioned. Which aspect of cloud deployment does this illustrate?

☒ Elasticity

You Selected

☐ Resource pooling☐ On-demand service☐ Measured Service

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**Question No: 6**

Correct Answer

In cost based pricing, the price is based on

☐ How much the customer values the product☒ Cost + margin

You Selected

☐ How the manufacturer values the product☐ Cost + margin + profit

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**Question No: 7**

Correct Answer

Which private cloud option offers highest security?

☐ Networking☐ Managed☒ Dedicated

You Selected

☐ Community

## Question No: 8

Correct Answer

Assume that AWS has a Git-based code repository service called CodeCommit which can be integrated with the CI/CD tools on their platform. Which of the following changes will occur from a “developer’s perspective” when an organization transfers their DevOps process to AWS from a manual workflow?

- ☒ No changes will occur, just the code will have to be pushed to Code Commit instead of the old repository You Selected
- ☐ Source code will have to be completely rewritten in a specific language
- ☐ Future application architectures will now have to pass extra compliance checks with AWS
- ☐ Developers will have to learn specialized tools built for AWS integration

## Question No: 9

Correct Answer

What is not a benefit of elasticity ?

- ☐ It prevents exceeding the required capacity
- ☐ It helps overcome under-utilization of resources
- ☐ It makes the application highly available
- ☒ None of the given options You Selected
- ☐ It ensures optimum utilization of resources

## Question No: 10

Incorrect Answer

Which of the following is not true of horizontal vs vertical elasticity?

- ☒ Horizontal elasticity allows for a modular architecture with each module having a specific task You Selected
- ☐ Vertical Elasticity is resilient to cascading failures
- ☐ Vertical elasticity may lead to resource wastage
- ☐ Horizontal Elasticity allows for fine-scaling depending on the situation

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**Question No: 11**Correct Answer

The core elements of Cloud Computing are

- ☐ BigData, IaaS
- ☐ IaaS, SaaS, PaaS, DaaS
- ☒ SaaS, IaaS, PaaS You Selected
- ☐ PaaS, BigData, IaaS

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**Question No: 12**Correct Answer

Which of the following elements is the responsibility of the cloud provider with respect to security?

- ☒ Physical security of the backup application server You Selected
- ☐ Application user authorization
- ☐ Port access to applications

☐ OS patches for application deployment environment

**Question No: 13****Correct Answer**

Which of the following is not a drawback of virtualization?

☐ Amplified physical failure

☐ Hard to estimate capacity of physical hardware

☐ Difficult to troubleshoot performance issues

☒ Hard partitioning among virtual machines

**You Selected****Question No: 14****Correct Answer**

Which of the following is not an advantage of containers over virtual machines?

☒ Higher isolation

**You Selected**

☐ Faster startup times

☐ Higher portability

☐ Less space required

**Question No: 15****Correct Answer**

Time interval between request and response is called

☐ Redundancy☐ TTL☐ Time Lag☒ Latency

You Selected

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**Question No: 16**

Correct Answer

The programming language of choice to build cloud-ready applications is tightly coupled with the cloud provider used

☐ No answer text provided.☐ No answer text provided.☐ True☒ False

You Selected

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**Question No: 17**

Correct Answer

A school requires a large number of servers to store its employee and student records along with hosting the applications. It has chosen to acquire the infrastructure as a managed service from a cloud provider. Which of the following is it completely eliminating by doing this?

☐ Training costs☐ Human Resources required☒ Capital Expenditure

You Selected

☐ Operational Expenditure**Question No: 18**

Correct Answer

Google App Engine has the delivery model of\_\_\_\_\_.

☐ IaaS☐ SaaS☐ None of the given options☒ PaaS

You Selected

**Question No: 19**

Correct Answer

How is clock synchronization handled in a multinational distributed system?

☐ Time syncing servers☒ Network Time Protocol

You Selected

☐ Timestamped Handshaking☐ Manual time-stamping



## Question No: 20

Incorrect Answer

You have opted to replace the entire physical infrastructure used by your startup with cloud-hosted architecture. You will need to provision several VMs, database servers, file storage components along with the requisite networking infrastructure and the load balancer and autoscaling policies.

Which of the following techniques will be helpful in provisioning all the needed resources quickly and with minimum manual intervention?

☐ PaaS☐ IaC☐ DaaS☒ SaaS

You Selected

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