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# Cloud Foundations Quiz

Type	:	Graded Quiz
Attempts	:	1/3
Questions	:	20
Time	:	1h
Scoring Policy	:	Highest Score
Due Date	:	Apr 19, 11:00 PM
Your Score	:	65/100

Instructions

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RETAKE

## Attempt History

Date	Attempt	Marks	
Apr 14, 11:54 AM	1	65	<a href="#">Hide answers</a>

Question No: 1

Correct Answer

The core elements of Cloud Computing are

☐ IaaS, SaaS, PaaS, DaaS

☐ PaaS, BigData, IaaS

☐ BigData, IaaS

☒ SaaS, IaaS, PaaS

You Selected

### Question No: 2

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?

☐ Resource pooling

☒ Elasticity

You Selected

☐ Measured Service

☐ On-demand service

### Question No: 3

Correct Answer

An application deployed on an on-premises setup suddenly receives a huge influx of traffic. To keep up with the load, part of the traffic is diverted to an endpoint of the same application hosted on the cloud. This deployment model is known as

☐ Migrate-to-cloud☒ Cloud bursting

You Selected

☐ Failover-to-cloud☐ Shared cloud**Question No: 4**

Correct Answer

How is clock synchronization handled in a multinational distributed system?

☒ Network Time Protocol

You Selected

☐ Timestamped Handshaking☐ Manual time-stamping☐ Time syncing servers**Question No: 5**

Correct Answer

Which of the following is a benefit of a layered cloud application model?

☒ Customizable elasticity

You Selected

☐ Less number of interactions☐ Ease of installation☐ Low Complexitv

## Question No: 6

Incorrect Answer

What are the minimum services a vendor must provide to be classified as a cloud provider?

- ☐ IaaS, Storage-as-a-Service, Networking
- ☐ Big Data, Microservices, Machine Learning
- ☐ Database-as-a Service, CI/CD, PaaS
- ☒ IaaS, PaaS, SaaS

You Selected

## Question No: 7

Correct Answer

Which of the following is not a drawback of virtualization?

- ☒ Hard partitioning among virtual machines
- ☐ Amplified physical failure
- ☐ Difficult to troubleshoot performance issues
- ☐ Hard to estimate capacity of physical hardware

You Selected

## Question No: 8

Correct Answer

Which of the following is not a challenge in distributed computing

☒ Availability

You Selected

☐ Consistency☐ Session Affinity☐ Global Concurrency**Question No: 9**

Correct Answer

Which security protocol is most used by cloud providers for authorization?

☐ LDAP☐ RADIUS☐ SAML☒ OAuth2.0

You Selected

**Question No: 10**

Incorrect Answer

You have procured a Java environment from a cloud provider to deploy and publish your application. Which of these is the highest layer that will be managed by the provider?

☒ Middleware

You Selected

☐ Hardware☐ Runtime

☐ OS**Question No: 11**

Incorrect Answer

Your organization wants to restructure its proprietary monolithic ERP system which is hosted on a set of on-premises servers into a set of microservices hosted on a cloud provider. Some of the microservices will be implemented using containers while the other will be deployed in a serverless manner.

Which of the following is an argument for using a container for a particular microservice as opposed to using a serverless deployment?

- ☐ The microservice runs very rarely and for a very short period of time
- ☐ The microservice needs to perform a complex function which takes a sizable amount of time
- ☐ The microservice does not need its own storage as all generated data is offloaded to a cloud storage system
- ☒ The runtime environment needed is highly specific and has proprietary layers

You Selected

**Question No: 12**

Incorrect Answer

Which private cloud option offers highest security?

- ☐ Managed
- ☐ Dedicated
- ☒ Networking
- ☐ Community

You Selected

**Question No: 13**

Correct Answer

Which of the following is the foremost reason why an investment bank would prefer a private cloud installation over a public or hybrid approach?

☐ Scalability☐ Resiliency☒ Security

You Selected

☐ Ease of Access

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**Question No: 14**

Incorrect Answer

Virtualization is

☐ Creating multiple applications sharing the same environment☐ Allocating separate memory for applications☒ Isolating physical resources

You Selected

☐ Running isolated applications on the same physical resource

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**Question No: 15**

Incorrect Answer

Which of the following job roles will be affected when using a managed service for Map Reduce operations versus installing and manually setting up a Hadoop cluster in a set of provisioned VMs?

☒ Data Scientist

You Selected

☐ System Administrator☐ Business Analyst☐ Data Architect

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**Question No: 16**

Correct Answer

The attributes of PaaS.

☐ Ability to install your own customer routers☐ None of the given options☒ Managed Runtime

You Selected

☐ Install your own OS and tune it

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**Question No: 17**

Correct Answer

An organization offers an application as a product which uses a large on-premises database server as the backend. They decide to perform a lift-and-shift migration to a cloud environment using the same schema and database engine.

How will the application architecture be affected by this?



- ☐ The application will have to be re-written from scratch
- ☐ A complete overhaul of the database and the application will have to be performed.
- ☐ The application architecture will have to be replaced to accommodate this change.
- ☒ The database connections will have to be redirected to the new endpoints on the cloud deployment, but everything else can remain the same You Selected

**Question No: 18**Incorrect Answer

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

- ☒ OS patches for application deployment environment You Selected
- ☐ Port access to applications
- ☐ Physical security of the backup application server
- ☐ Application user authorization

**Question No: 19**Correct Answer

Cloud computing will always save your money.

- ☐ True
- ☒ False You Selected

## Question No: 20

(Correct Answer)

Cloud provider will guarantee security under all circumstances.

☐ True☒ False

You Selected

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