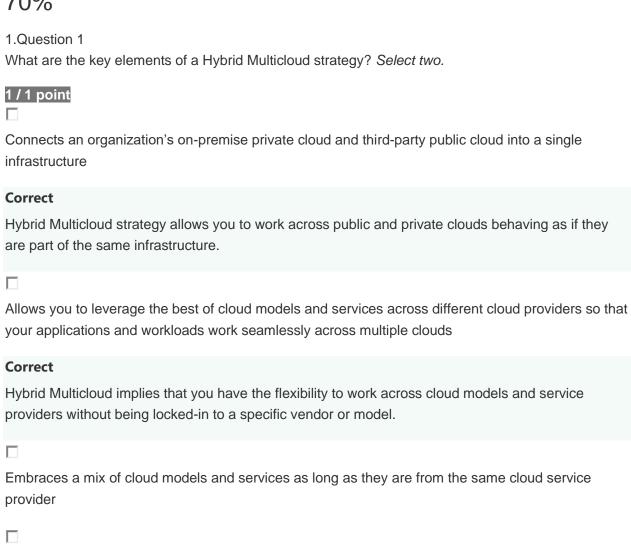
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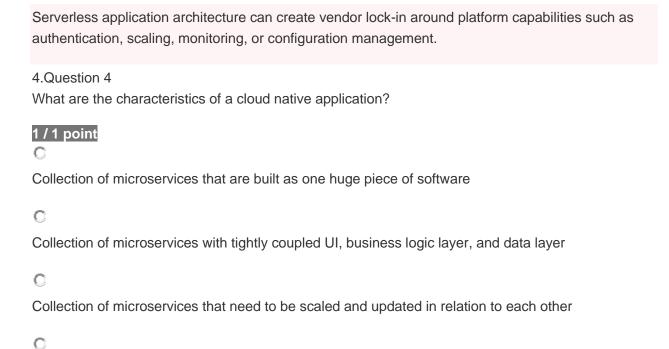


For seamless working, it is recommended that if you're subscribed to the infrastructure services of a cloud provider, you should subscribe to the application services provided by the same vendor.

2.Question 2

What are some of the benefits of using microservices architecture? Select two.

071 point
Each microservice of an application needs to use the same stack and runtime environment
This should not be selected
Microservices are independent components that can use different stacks and runtime environments for different components.
Each line of code for a microservice needs to be written from scratch
Application components can be developed and updated independently of each other
Correct
Microservices are function specific independent components that can be developed and updated by multiple developers working independently on the individual components.
Components facing varied amounts of load can be scaled independently
3.Question 3
Serverless might not be the best fit for all applications or scenarios. Which of these attributes qualify an application for a serverless architecture?
0 / 1 point
Low-latency applications
C
Workloads and applications that may be spread across multiple cloud environments and cloud vendors
C
Workloads characterized by long-running processes
C
Microservices that can be built as functions that are stateless
Incorrect



Correct

A cloud native application consists of microservices working together as independent units of software working as a whole.

Collection of microservices working together as a whole to comprise an application

5.Question 5

DevOps' tools, practices, and processes are helping tackle some of the complexities and challenges posed by the cloud. *Identify two* ways in which DevOps is mitigating these challenges.

0 / 1 point

DevOps processes outline the development principles that need to be followed to modernize monolithic applications to cloud native applications

This should not be selected

DevOps process defines how people work together to build, deploy, and manage applications in a cloud native environment. Cloud Native development principles outline how to modernize monolithic applications to cloud native applications.

By fully automating the infrastructure installation process in a way that is documented, repeatable, verifiable, and traceable

By creating an automated deployment pipeline
Correct
The DevOps' practices of continuous integration and continuous deployment help create a fully automated deployment pipeline that tackles the complexities involved in application deployment.
DevOps best practices eliminate the need to provision servers, build middleware, and install application code
6.Question 6 Cloud adoption is an integral part of application modernization. What are the other two important components of modernization?
1 / 1 point
Service Oriented Architecture and Waterfall Methodology
C
VMs and Agile Methodology
C
Microservices and DevOps
C
Monolithic Architectures and Physical Servers
Correct
Correct, the three key transformations that drive application modernization are cloud adoption, microservices architecture, and DevOps.

7.Question 7

One of the key characteristics of Hybrid Multicloud is portability. What does portability mean in the context of Hybrid Cloud?

1 / 1 point

 \circ

Distributing a single application across multiple providers allowing you to move application components across cloud services and vendors as needed

C
A workload running on the private cloud can leverage the additional public cloud capacity when there is a spike in demand

C
The flexibility to move applications and data between systems and cloud service providers

The public and private cloud services can understand each other's APIs, data formats, forms of authentication and authorization

Correct

 \circ

Since you're no longer locked-in with a specific vendor, you can move applications and data not just between on-premise and cloud systems, but also between cloud service providers.

8.Question 8

What is an attribute that distinguishes serverless computing from other compute models?

1 / 1 point

0

Serverless computing does not require any underlying servers for executing workloads

Ö

The serverless model requires no provisioning of servers, installation of application stacks, or operation of the infrastructure by the users/developers

O.

End users pay for resources as long as they are running, even if idle

0

In the serverless computing environment, resources cannot be scaled up or down

Correct

The serverless model does require all these activities to be performed, but they are performed by the cloud service provider, not the developers. Serverless completely abstracts the infrastructure away from developers.

9. Question 9

Which one of these statements is NOT true of a microservices architecture approach?

1 / 1 point

Correct

DevOps does not eliminate, rather automates the process to programmatically provision servers, build middleware, and install application code.