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Module 2 Graded Quiz: Cloud Computing Models

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Graded Quiz due Dec 4, 2023 05:36 IST Completed

Question 1

1.0/1.0 point (graded)

In which cloud service model does the service provider manage the application data along with the infrastructure and platform resources?

☐ CaaS

☐ PaaS

☒ SaaS

☐ IaaS

✓

Answer
Correct:
In the SaaS model, in addition to the infrastructure and the platform resources, the provider also hosts and manages the applications and data.

Submit

You have used 2 of 2 attempts

Question 2

1.0/1.0 point (graded)

In which IaaS cloud environment can the customers deploy their middleware and install applications?

☐ Blockchain

☒ Virtual Machines

☐ AI

☐ IoT

✓

Answer
Correct:
The virtual machines (VMs) come pre-installed on the customer's choice of operating system. The customers can then deploy middleware, install applications, and run workloads on these VMs.

Submit

You have used 1 of 2 attempts

Question 3

1.0/1.0 point (graded)

What is one of the concerns in cloud infrastructure configuration and management?

☒ Dependency on a third party for workload availability and performance

☐ Scaling infrastructure up and down as demand fluctuates

☐ Business Continuity and disaster recovery

☐ Solving complex problems involving millions of variables and calculations

**Answer**

Correct:

In IaaS, there are some concerns regarding the lack of transparency in the cloud infrastructure's configuration and management and dependency on a third party for workload availability and performance.

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You have used 1 of 2 attempts

Question 4

1.0/1.0 point (graded)

What is the responsibility of a user in the PaaS model?

- ☐ Workload management
- ☐ Database management systems
- ☐ Business process management systems
- ☒ Application code and its maintenance

**Answer**

Correct:

In the PaaS model, while the provider takes responsibility for the application infrastructure, the user is responsible for the application code and its maintenance.

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You have used 1 of 2 attempts

Question 5

1.0/1.0 point (graded)

Which capability in the PaaS model eliminates the need for the integration of disparate components?

- ☐ Rapid deployment mechanisms
- ☒ APIs for services
- ☐ Runtime environment
- ☐ Business analytics services

**Answer**

Correct:

PaaS clouds provide services and APIs for distributed caching, queuing, messaging, file and data storage, workload management, user identity, and analytics, thus eliminating the need to integrate disparate components.

Submit

You have used 1 of 2 attempts

Question 6

1.0/1.0 point (graded)

Which is a characteristic of the SaaS model?

☐ Services are free for the users on the SaaS cloud

☐ Users can see only their own application

☒ Applications reside on a remote cloud network

☐ Infrastructure and code are maintained by the users

**Answer**

Correct:

Applications reside on a remote cloud network, and users use these applications without having to maintain and update the infrastructure.

Submit

You have used 1 of 2 attempts

Question 7

1.0/1.0 point (graded)

What is the users' role in a public cloud?

☐ Users maintain the platform that runs their application

☐ Users can manage the operations of the servers

☐ Users own the storage their data consumes

☒ Users don't own the servers their applications run on

**Answer**

Correct:

Users don't own the servers their applications run on or storage their data consumes, manage the operations of the servers, or even determine how the platforms are maintained.

Submit

You have used 1 of 2 attempts

Question 8

1.0/1.0 point (graded)

What is a feature of a private cloud?

☐ Limited security

☒ Application portability

☐ Uncontrolled access

☐ Use of external computing resources

**Answer**

Correct:

Using the private cloud gives organizations the flexibility to build applications anywhere and move them anywhere without compromising security and compliance in the process.

Submit

You have used 1 of 2 attempts

Question 9

1.0/1.0 point (graded)

If an organization needs to run a highly sensitive and mission-critical application with unpredictable performance and capacity requirements, which of the following models would best meet its requirements?

☐ On-premise Data Centers

☐ Public Cloud

☐ Private Cloud

☒ Hybrid Cloud



Answer

Correct:

With a Hybrid Cloud, organizations can choose to run their mission-critical applications on the private cloud while leveraging additional public cloud capacity to accommodate spikes in demand for their application.

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You have used 1 of 2 attempts

Question 10

1.0/1.0 point (graded)

What do you mean by “cloud bursting”?

☐ You can incrementally modernize your core business systems

☒ You can leverage public cloud instances for a period of time but return to the private cloud when the surge is met

☐ You can spin-up environments using pay-as-you-go in the public cloud

☐ You can move applications and data between on-premises and cloud systems



Answer

Correct:

With proper integration and orchestration between the public and private clouds, you can leverage both clouds for the same workload. You can leverage additional public cloud capacity to accommodate a spike in demand for a private cloud application.

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