


Smart Refresher: 1.1 Explain cloud principles.

### QUESTION



What is typically the most cost efficient cloud deployment model?


### ANSWER

- ☒ YOU WERE **SURE AND CORRECT**  
Public cloud
- ☐ Hybrid cloud
- ☐ Private cloud
- ☐ Community cloud
- ☐ I DON'T KNOW YET

next question

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### QUESTION



An IT security professional has joined the team at Benson Financial Group to assist in the deployment of new cloud services. Security is the main concern of the IT team setting up the cloud. When asked to provide a suggestion for the type of cloud deployment and service models the company should use, what might the IT security professional suggest?

### SELECT ALL THAT APPLY

- ☒ Private cloud
- ☐ Hybrid cloud
- ☒ Infrastructure as a Service
- ☐ Public cloud

YOU WERE **SURE AND CORRECT**

next question

## QUESTION



A development team requires hardware and compute resources beyond what they have access to in-house. One of the team members suggests using cloud services. The team agrees, but the team leader reminds the group that they will need to have control over the development environment and be able to install software at will. Suggest a cloud service model that fits the development team's needs.

## ANSWER

- ☐ Communication as a Service (CaaS)
- ☐ Software as a Service (SaaS)
- ☒ **YOU WERE SURE AND CORRECT**  
Platform as a Service (PaaS)
- ☐ Infrastructure as a Service (IaaS)
- ☐ I DON'T KNOW YET

next question

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## QUESTION



A highly-skilled new hire must set up virtual machines for the development team to use in the cloud. The new hire must find the most cost-effective service. What cloud service model might the new hire decide on based on the goal of reducing cost?

## SELECT ALL THAT APPLY

- ☐ Software as a Service (SaaS)
- ☒ Public cloud
- ☒ Infrastructure as a Service (IaaS)
- ☐ Platform as a Service (PaaS)

**YOU WERE SURE AND CORRECT**

next question

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QUESTION



According to the National Institute of Standards and Technology, in order to fit the definition of a cloud service, the service must be scalable, able to combine resources, and allocate them in an on-demand basis that abstracts those resources from the consumer. Define the term for this.

ANSWER

☒

YOU WERE **SURE AND CORRECT**  
Resource Pooling

☐

Measured service

☐

Broad network access

☐

On-demand self-service

☐

I DON'T KNOW YET

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QUESTION



An IT consultant is consulting for a non-technical business firm regarding cloud services. The consultant is explaining the benefits of Cloud services over traditional server deployment. How might the consultant describe the benefits of on-demand self-service and how it relates to cost and expenditures?

ANSWER

☒

YOU WERE **SURE AND CORRECT**  
A pay-as-you-go model means only paying for services used.

☐

Scalability means services can expand to meet needs.

☐

High availability means less downtime.

☐

Broad network access means services are available easily from anywhere.


☐

I DON'T KNOW YET

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### QUESTION



By definition, cloud services must be scalable and have the ability to provision and release resources to adjust for demand and consumption. What is the term for this ability?


### ANSWER

- ☐ Broad network access
- ☐ Measured service
- ☐ On-demand self-service
- ☒ YOU WERE **SURE AND CORRECT**  
Rapid elasticity
- ☐ I DON'T KNOW YET

next question

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### QUESTION



Gmail is a cloud service that provides direct access to software, placing responsibility for the hardware and operating system (OS) the software runs on. It also completes tasks such as patching and updating the system directly on the cloud service provider. Which type of cloud service model does this describe?

### ANSWER

- ☒ YOU WERE **SURE AND CORRECT**  
Software as a Service (SaaS)
- ☐ Infrastructure as a Service (IaaS)
- ☐ Platform as a Service (PaaS)
- ☐ Database as a Service (DBaaS), a form of XaaS
- ☐ I DON'T KNOW YET

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## QUESTION



A university mainframe is in the process of being upgraded with more total RAM and storage space. Define the scaling model this represents.

## ANSWER

- ☒ YOU WERE **SURE AND CORRECT**  
Scaling up
- ☐ Auto-scaling
- ☐ Right-sizing
- ☐ Scaling out
- ☐ I DON'T KNOW YET

next question

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## QUESTION



Google App Engine, Heroku, and AWS Elastic Beanstalk all provide cloud services aimed at developers by providing hardware and operating system (OS) services, relieving the consumer of responsibility of hardware maintenance and upgrades, driver installation, and OS tasks. Which of the following terms describes this type of cloud service solution?

## ANSWER

- ☐ Infrastructure as a Service (IaaS)
- ☒ YOU WERE **SURE AND CORRECT**  
Platform as a Service (PaaS)
- ☐ Software as a Service (SaaS)
- ☐ Monitoring as a Service (MaaS)
- ☐ I DON'T KNOW YET

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## QUESTION



A popular video streaming service is reaching its bandwidth capacity. The company decides to invest in more servers and compute nodes to facilitate the functioning of the streaming service and expand overall capacity. Determine what type of scaling the company is doing.

## ANSWER

- ☐ Auto-scaling
- ☒ YOU WERE **SURE AND CORRECT**  
Scaling-out
- ☐ Scaling-up
- ☐ Right-sizing
- ☐ I DON'T KNOW YET

next question

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## QUESTION



An IT professional is starting a new job. The job responsibilities are purchasing managed virtual machines from the Cloud Service Provider for company employees to access and utilize from anywhere. Which type of cloud service might the professional suggest?

## ANSWER

- ☐ Public cloud
- ☒ YOU WERE **SURE AND CORRECT**  
Platform as a Service (PaaS)
- ☐ Infrastructure as a Service (IaaS)
- ☐ Software as a Service (SaaS)
- ☐ I DON'T KNOW YET

next question



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## QUESTION



Pickett Group is a company with multiple service needs with varying levels of security requirements. In order for Pickett Group to choose a combination of cloud services to meet those security needs while also keeping service costs as low as possible, which type of cloud service would best suit the company?

## ANSWER



YOU WERE **SURE AND CORRECT**  
Hybrid cloud



Private cloud



Public cloud



Community cloud



I DON'T KNOW YET

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## ANSWER



YOU WERE **SURE AND CORRECT**  
Platform as a Service (PaaS)



Infrastructure as a Service (IaaS)



Monitoring as a Service (MaaS)



Software as a Service (SaaS)



I DON'T KNOW YET

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## QUESTION

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## ANSWER

- ☐ Broad network access
- ☐ Measured service
- ☒ YOU WERE SURE AND CORRECT  
Rapid elasticity
- ☐ On-demand self-service
- ☐ I DON'T KNOW YET

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## QUESTION

Partner organizations often have security needs to consider while also sharing resources. Which cloud deployment model is most appropriate?

## ANSWER

- ☒ YOU WERE SURE AND CORRECT  
Hybrid cloud
- ☐ Private cloud
- ☐ Hybrid cloud
- ☐ Public cloud
- ☐ I DON'T KNOW YET

Congratulations, you successfully mastered this module!

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