### Midterm Quiz A

**Due** Nov 6 at 11:59pm **Points** 40 **Questions** 40

Available Nov 2 at 8pm - Nov 10 at 11:59pm Time Limit 80 Minutes

**Allowed Attempts** 2

### Instructions

- The test will be available until 11:59PM Monday, November 6, 2023
- There are 40 questions
- It is limited to 80 minutes
- Most are multiple choice, but also fill in the blank, and T/F, spelling counts for the fill-in-the-blank but I will not penalize for incorrectly spelled answers if I can discern that is it the intended correct answer. I will have to manually adjust scores if spelling errors occur.

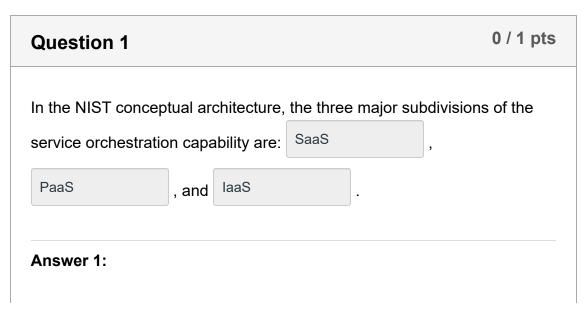
Take the Quiz Again

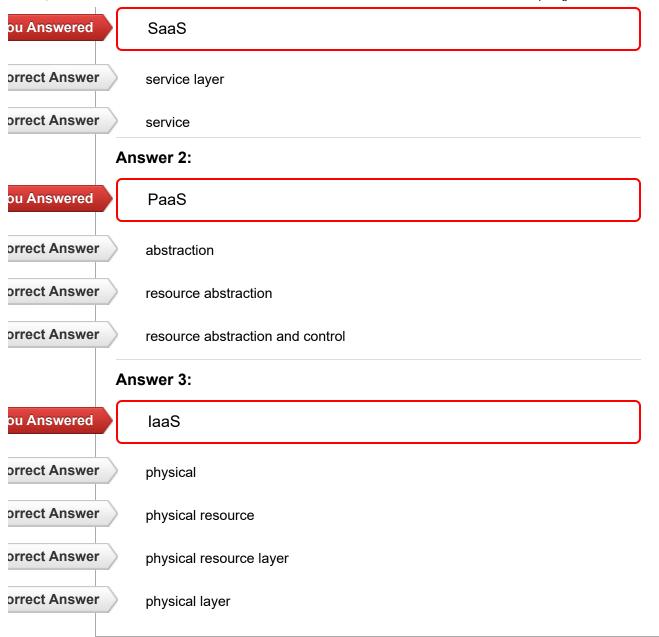
### **Attempt History**

	Attempt	Time	Score
LATEST	Attempt 1	35 minutes	31 out of 40

Score for this attempt: 31 out of 40

Submitted Nov 10 at 11:27am This attempt took 35 minutes.





# What distinguishes an entity as a cloud service owner? Cloud service owners are the entities who use the cloud services to deliver business outcomes. Cloud service owners own the physical infrastructure that provides the cloud services.

Cloud service owners are the entities that set the terms of the service level agreements (SLAs).

Correct!

Correct!

Cloud service owners are the entities who legally own the cloud services.

# A specific cloud deployment has been created for a financial application that multiple organizations can share. What type of cloud deployment model is this describing? Private Community Hybrid Public

# A general, collective term referring to the growing diversity of services made available via cloud computing. Correct! XaaS laaS PaaS SaaS

	Question 5	1 / 1 pts
	Which cloud service model allows the cloud consumer to outsour responsibility for the organization's infrastructure to an external opposition?	
Correct!		
	○ SaaS	
	○ CaaS	
	○ PaaS	

	Question 6	1 / 1 pts
	Which cloud service model allows an organization to utilize ente level VoiP, VPNs, PBX, and unified communications without hav purchase their own infrastructure?	•
	○ BPaaS	
	○ SaaS	
Correct!	© CaaS	
	○ laaS	

Question 7 1 / 1 pts

	Which cloud deployment model is owned by a single organization and is implemented behind the organization's firewall?
	Hybrid cloud
	O Public cloud
	Community cloud
Correct!	Private cloud

# Which of the following capabilities automates day-to-day administrative tasks and provides an automated way to manage all aspects of a cloud environment? Orchestration Virtualization Elasticity Migration

### Question 9 This characteristic of a mature cloud offering allows an organization to automatically provision and de-provision processing, memory, and storage resources to meet the demands of the environment. Orchestration

	○ Chargeback	
Correct!	Elasticity	
	O Ubiquitous access	
	Question 10 1 / 1 pts	
	Which of the following is considered a high-performance storage device that contains no moving parts?	
Correct!	● SSD	
	O Таре	
	USB drive	-
	O HDD	
	Question 11 1 / 1 pts	}
	Which of the following storage devices is used primarily for off-site storage and archiving of data?	;
	O SSD	
	○ USB drive	_
	O HDD	_
Correct!	Tape	

Midterm Quiz: CIS305 2683 - F23 - Cloud Computing I

11/10/23, 11:31 AM

### 1 / 1 pts **Question 12** You have been tasked with making an organization's data highly available. Which of the following solutions would you use to combine multiple hard disk drives into a single logical unit and thereby distribute data across the hard disk drives for improved performance and increased security? Data tiering **Correct!** RAID Rotational Media SSD 1 / 1 pts **Question 13** According to the NIST definition of Cloud Computing, the offering must use a network of remote servers hosted on the internet. True Correct! False

### According to NIST the features that make an offering uniquely Cloud Computing are: on-demand self-service, broad network access, resource pooling, rapid elasticity, and \_\_\_\_\_\_\_. Correct! Measured Service

orrect Answers

measured service

### **Question 15**

0 / 1 pts

The major parts of the NIST Conceptual Model of Cloud Provider are: Cloud Service Management, Security, Privacy, and

ou Answered

Service Deployment

orrect Answers

service orchestration

orchestration

### **Question 16**

1 / 1 pts

Why would an IT organization decide to utilize a cloud delivery model for a set of related IT services?

They want to retain full control of the administration of the IT environment.

They want to retain staff that are trained in all the technologies required to support their infrastructure needs.

They want to keep all their IT data on premises.

### **Correct!**



They want to spend their IT costs and administrative effort on requests of the business.

	Question 17	1 / 1 pts
	Which cloud characteristic allows a consumer to dynamically incodecrease the compute resources of their virtual environment?	ease or
	○ Ubiquitous access	
	Pay-as-you-grow	
	Shared resources	
Correct!	Elasticity	

	Question 18 1 / 1 pts	
	Which of the following are benefits of cloud computing. Choose two:	
	Loss of control of the organization's data	
	Larger infrastructure to support	
Correct!	Infrastructure consolidation	
Correct!	Network isolation	
Correct!	✓ Network isolation	

### Question 19 1 / 1 pts

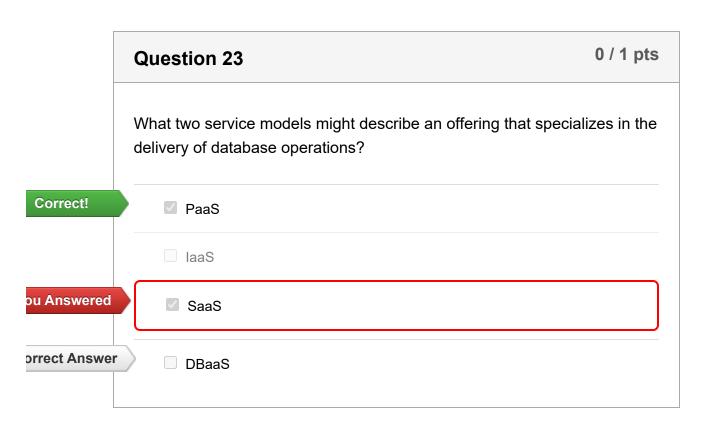
Your organization is planning to migrate systems to a cloud environment. You have been tasked with choosing which servers to migrate from a physical environment to the virtual environment. Which of the following servers would you recommend to migrate first? Choose two:

### Correct! SSH Telnet SMTP

### 1 / 1 pts **Question 21** Customer relationship management tools, email, collaboration tools, instant messaging, and other applications are purchased from a cloud provider, they are examples of: Consume (Op-Ex) versus Build (Cap-Ex) **Correct!** Software as a Service

O Platform as a Service	
Small business services	

# Question 22 O / 1 pts Your organization has asked you to research cloud offerings for use by the development team. They will need a multi-tiered application stack (presentation layer, business logic layer, and database backend). What kind of service model are they looking for? PaaS IaaS SaaS XaaS



	Question 24	pts
	Hypervisors, virtual machines, virtual data storage, and virtual network switches are examples of the way a cloud environment enables resour	
	processing	
Correct!	abstraction	
	management	
	orchestration	

	Question 25	1 / 1 pts
	The cloud control component that deploys virtual machines is co called a:	mmonly
	orchestrator	
	controller	
Correct!	o compute node	
	management server	

### Question 26 0 / 1 pts

The cloud control component that schedules virtual machine deployments among multiple compute nodes is commonly called a:

Correct!

authentication and authorization

identity service

security service

# Question 29 The strategy of migrating multiple physical servers to be managed as virtual machines is called: Ou Answered virtualization consolidation containment

	Question 30 1 / 1 pts	
	The formula used to figure out how many physical servers will fit on a single hosting server is:	
	a best guess; there is no precise formula	
Correct!	supplied by each vendor of a physical server	
	<ul> <li>start small and grow over time</li> </ul>	
	O 20:1	

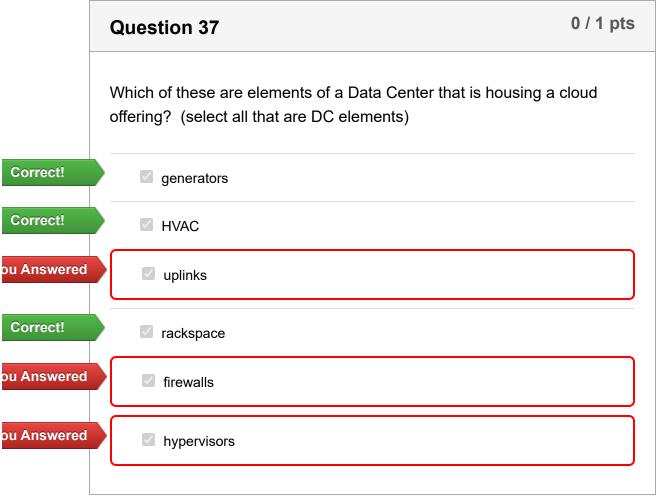
Question 31 0 / 1 pts

Open source cloud controller software typically is designed to work with three hypervisors. These are, ESXi (from VMware), Xen, and: ou Answered HyperV WorkStation (from VMware) orrect Answer KVM QEMU 1 / 1 pts **Question 32** The virtual network is enabled by virtual switches which can be found in most hypervisors. Correct! True False

## Question 33 The controller node will communicate via message bus and/or API with abstractions of the three major components every VM is composed of. These are: Correct! ✓ storage dashboard

0 / 1 pts
1 / 1 pts
perates the
1 / 1 pts

	Theoperation where a public cloud offering	deployment model supports modes of private cloud consumes services from one or more ngs.
Correct!	hybrid	
orrect Answer	hybrid cloud hybrid	



### Question 38 1/1 pts Which of these are the chief hardware elements that enable a network used by a cloud offering?

## Which is the most scalable, reliable, and configurable of these forms of storage? SNA NAS DAS SAN

Quiz Score: 31 out of 40