Check yourself - Virtualization and Containers

Due Feb 27 at 11:59pm **Allowed Attempts** 2

Points 6

Questions 6

Time Limit None

Instructions



This quiz contains questions about virtual machines, containers and the specifics of working with Jetstream.

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	7 minutes	4.25 out of 6

(!) Answers will be shown after your last attempt

Score for this attempt: **4.25** out of 6 Submitted Feb 24 at 5:08pm This attempt took 7 minutes.

Question 1	1 / 1 pts
What is computer virtualization?	
Extension of hardware resources on the server.	
Use of software capabilities to emulate hardware and application	ons.

Addition of specific constrains to an operating system.
Installation of a program or an application in a new environment.

Question 2	1 / 1 pts
What can virtualization be applied to? Check the fullest answer	
Compute	
Networks	
All of the above	
Operating system	
Storage	
 Applications 	

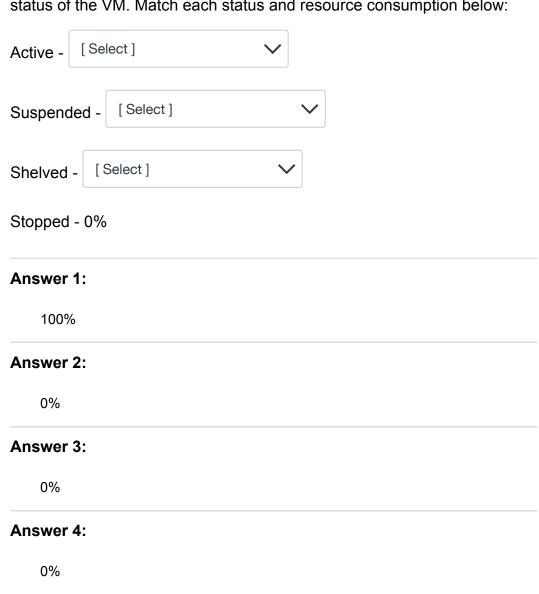
Question 3	1 / 1 pts
What is the difference between Jetstream and other high-perfor computing environments? Check all that apply.	mance
Jetstream is best suited for business analytics tasks, e.g., running customer satisfaction models on a large-scale database	
Jetstream does not allow to customize its virtual machines or softwasuites	are

Jetstrean	n can be accessed without authentication	
Jetstrean	n has a GUI access	
lotetroom ie	best suited for tasks that require user interaction, e.g.,	

Partial

Question 4 0.5 / 1 pts

Service Units (SUs) measure the use of virtual resources per hour (depending on the size of VM). Consumption of resources depends on the status of the VM. Match each status and resource consumption below:



Partial

Question 5	0.75 / 1 pts
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Select "y" for "yes" or "n" for "no" to indicate whether each of the following characteristics applies to virtual machines:

- VM can have its own OS (y/n):
- VM is best suited to run multiple workloads on the same OS (y/n):

n

- VM use increases memory and storage consumption (y/n):

У

- Shared components can be "read only" (y/n):

Answer 1:

У

Answer 2:

n

Answer 3:

у

Answer 4:

У

Incorrect

Question 6

0 / 1 pts

differen	ideo that compares VMs and containers Nigel Brown makes a ce between "infinite flexibility" and "infinite portability". What does n by that? Select all the correct answers.
✓	VMs are flexible because you can configure the amount of RAM.
	ntainers are flexible because they can be deposited into various ositories.
VM	s are portable because you can configure the number of processors.
	Containers are portable because they can run on different machines.

Quiz Score: 4.25 out of 6