

Practice Quiz #2

Due Oct 23 at 11:59pm **Points** 10 **Questions** 10 **Available** until Oct 23 at 11:59pm **Time Limit** None
Allowed Attempts Unlimited

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Attempt History

	Attempt	Time	Score
KEPT	Attempt 2	10 minutes	10 out of 10
LATEST	Attempt 2	10 minutes	10 out of 10
	Attempt 1	16 minutes	3.67 out of 10

⚠ Correct answers are hidden.

Score for this attempt: **10** out of 10

Submitted Oct 17 at 8:16pm

This attempt took 10 minutes.

Question 1

1 / 1 pts

In the Book, "Architecting the Cloud", which of the following were reasons discussing why migrating an application to the Cloud would be difficult. (Check all that apply)

- ☐ Legacy Apps typically are not multi-tenant
- ☒ Legacy Apps were not designed to be service-oriented and loosely-coupled
- ☒ Legacy Apps are often stateful and not scalable on the Cloud
- ☒ Legacy Apps where not built expecting auto scale

Question 2

1 / 1 pts

Why are APEX Governor Limits Necessary?

- ☐ To Prevent runaway Programs
- ☐ To Enforce Process Isolation
- ☐ To Control CPU Consumption of APEX Programs
- ☒ All of these
- ☐ Because Salesforce.com is a Single Instance Multitenant SaaS

Question 3

1 / 1 pts

A quick way to implement Multi-Tenancy for a Legacy Applications is: (Check all that apply)

- ☐ There is no quick way. The Application has to be re-designed for Multi-Tenancy
- ☐ Rewrite the code from scratch to take advantage of PaaS Features
- ☒ Deploy the Application into a VM running on Shared Servers
- ☐ Deploy the Application to Windows Azure.Net
- ☐ None of these

Question 4

1 / 1 pts

Multi-Tenancy is defined as: (pick the best answer)

- ☐ The ability to scale to millions of users simultaneously accessing the cloud infrastructure or application
- ☐ The ability to provide each customer with their own virtual machine on a cloud infrastructure
- ☐ The ability to customize applications for each customer using a single shared instance of a service
- ☐ None of these. There is no standard or acceptable definition.
- ☒ The ability to provide isolation and good performance to multiple customers using a cloud infrastructure

Question 5

1 / 1 pts

What is the main implication of the CAP Theorem? (pick the best answer)

- ☐ That designers have to give-up two out of three guarantees defined by CAP
- ☒ That consistency guarantees in large-scale distributed system cannot be as strict as centralized systems
- ☐ That BASE properties are better than ACID properties for Cloud Applications
- ☐ That CAP disregards ACID properties completely in favor of scaling out techniques
- ☐ None of these

Question 6

1 / 1 pts

What is the definition for the term "NoSQL"? (Check all that apply)

- ☒ A modern database that addresses weaknesses in relational database technology
- ☐ A Database that does not have distributed joins
- ☐ Don't use SQL, it can not scale horizontally. (i.e. scale out)
- ☒ Not Just SQL, modern applications have to design for polygot persistence
- ☒ A database that does not have a SQL query language

Question 7

1 / 1 pts

CAP stands for...

- ☐ Consistency, Availability and Partition Detection
- ☒ Consistency, Availability and Partition Tolerance
- ☐ Consistency, Accessibility and Performance
- ☐ None of these
- ☐ Consistency, Accessibility and Partitioning

Question 8

1 / 1 pts

MySQL Database is an example of?

- ☐ None of these
- ☐ a CAP system
- ☐ a CP system
- ☐ a AP system
- ☒ a CA system

Question 9

1 / 1 pts

MongoDB is an example of?

- ☐ None of these
- ☐ a CA system
- ☐ a AP system
- ☐ a CAP system
- ☒ a CP system

Question 10

1 / 1 pts

What is the difference between the Java JVM and a Hypervisor? (Pick the best answer)

- ☐ All of these statements are true
- ☐ JVM runs on top of an OS or bare metal hardware

- ☐ Hypervisor runs on bare metal hardware only
- ☐ JVM and Hypervisor are both Virtualization systems. There is no difference between them
- ☒ JVM virtualizes a Machine ISA, where as a Hypervisor virtualizes all Hardware Resources

Quiz Score: **10** out of 10