

EE4221 Quiz 10

1. Which of the following is not a design principle of the Performance Efficiency pillar of the AWS Well-Architected Framework?

Make frequent, small, reversible changes
Use serverless architectures
Democratize advanced technologies
Have mechanical sympathy
Manage change in automation

2. Which of the following is a principle when designing cloud-based systems?

Build tightly-coupled components	Make infrequent, large batch changes
Assume everything will scale	Assume everything will fail

3. Which of the following are pillars of the AWS Well-Architected Framework? (Choose three.)

Cost Optimization	Security
Operational Excellence	Persistence

4. The AWS Well-Architected Framework is organized into how many pillars?

5	3	None of the above	4
---	---	-------------------	---

5. Which of the following is a measure of your system's ability to provide functionality when desired by the user?

Reliability	Usability	Availability	Scalability
-------------	-----------	--------------	-------------

6. What is defined as the percentage of uptime over a period of time?

Availability	Scalability	Reliability	Usability
--------------	-------------	-------------	-----------

7. Which of the following best describes a system that can withstand some measures of degradation, experiences minimal downtime, and requires minimal human intervention?

Highly scalable	Highly automated	Highly durable	Highly available
-----------------	------------------	----------------	------------------

8. What are the factors that affect availability?

Scalability	Fault tolerance	Recoverability	Predictability
-------------	-----------------	----------------	----------------

9. What are the key topics of the Operational Excellence pillar of the AWS Well-Architected Framework?

Identifying and managing who can do what
Responding to events
Defining standards to successfully manage daily operations
Managing and automating changes

10. Which kinds of applications are suitable for an availability design goal of 99%?

Data extraction	Batch processing
Video broadcasting	ATM transactions