SINCE 2019

SPAIC

SCHOLARS

Enhance your Cloud-Native Fundamentals SuperPower

Weekly **Quiz**

Lesson - 2

What do we have to cover in this 2nd quiz?

This week's quiz focused on Lesson: 2 (Architecture Consideration for Cloud-Native Applications).

- Monoliths and Microservices
- Trade-offs for Monoliths and Microservices
- Practices for Application Development

Q1. When would developers use microservices?

a) When they want to write cell phone applications that run quickly
b) When they work with ephemeral nanotechnology
c) When they need to create large, enterprise-level applications that are subject to changes on a frequent basis
d) When they create applications specifically for scientific test equipment

Q2. Which of the following responses is an advantage of microservices?

a) Any microservice component can change independently from other components
b) They don't require a lot of expertise to program
c) They're so small that developers can typically write very powerful ones with a few lines of text
d) They are easy to manage

Q3. Which of the following responses is a disadvantage of microservices?

a) Microservices are very difficult to manage at scale
b) Microservices require a lot of monitoring to operate effectively
c) Neither A nor B
d) Both A and B

Q4. What are some technologies commonly used to implement microservices?

a) Docker
b) Kubernetes
c) All the above
d) None of the above

Q5. What is a popular Java framework to develop microservices?

a) Spring Boot
b) Eclipse MicroProfile
c) Both A and B
d) None of the above

Q6. Which of the following is not a logging level?

a) DEBUG
b) ERROR
c) INFO
d) FAIL

Q7. What practice is used to get the status of an application at a point in time?

a) Tracing
b) Logs
c) Health Checks
d) Resource Consumption

Q8. RESTful APIs and microservices together create SOA?

a) True
b) False

Q9. Which architecture has single points of failure?

a) Microservices Architecture
b) Monolithic Architecture
c) Monolithic Kernel
d) Microservices Kernel

Q10. Which among the choices are NOT included in the definition of the good software development practice?

a) Health checks and Metrics
b) Metrics and Tracing
c) Tracing and logs
d) All of the above

Q11. Which Architecture allows the use of multiple programming languages in the development process?

a) Microservices
b) Monolithic
c) Monolithic kernel
d) All of the above

Q12. How does a backing service apply to microservices?

a) It prevents a microservice from failing
b) It acts as a dedicated service that provides essential functionality required by a microservice
c) It shuts down a microservice when it can no longer handle the computing load
d) It coordinates network activity between microservices

Q13. When you have ample time and budget, which will be your choice of architecture for application development?

a) Microservices
b) Monolith
c) Either of these two
d) None of the above

14. Which of the following is not one of the operations encountered in the maintenance phase?

a) Split
b) Merge
c) Replace
d) Add feature
d) Stale

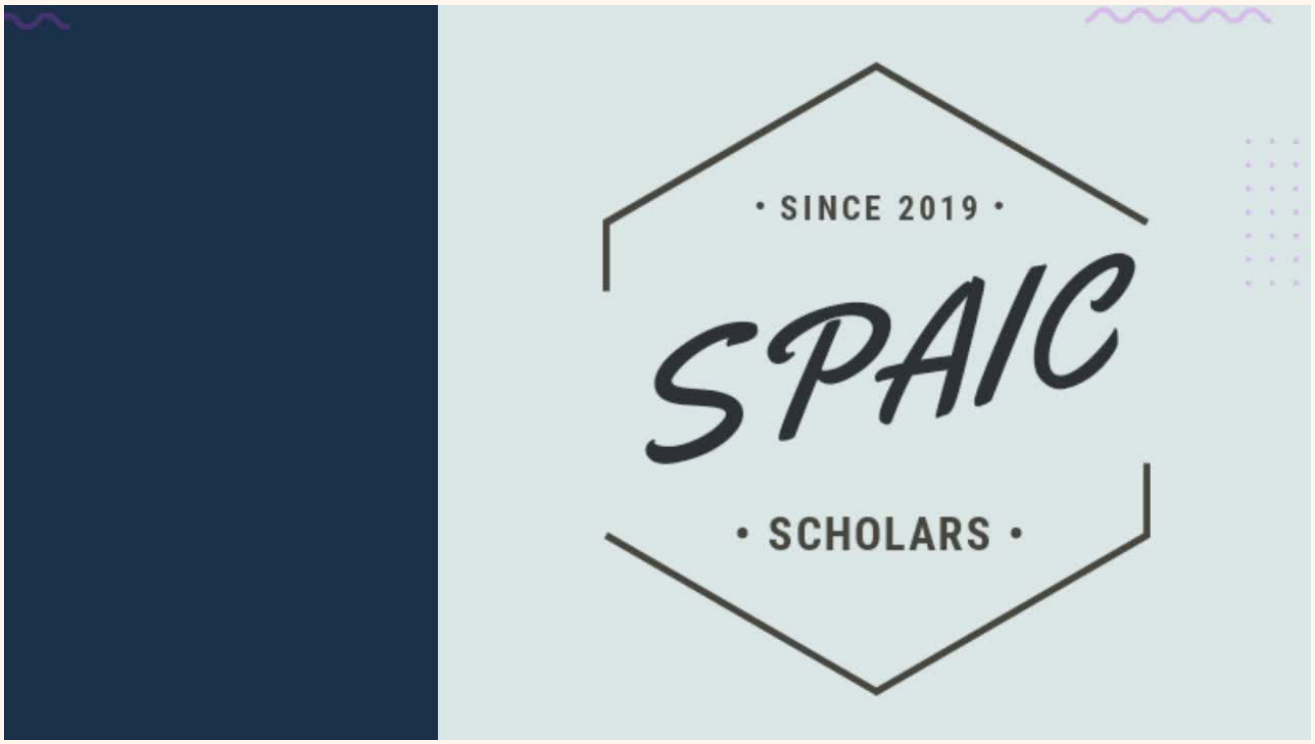
15. Your project requires a limited set of small features with very little probability to expand further. What would you choose?

a) Monolith
b) Microservice

Answer Key

1.	c	5.	c	9.	b	13.	a
2.	a	6.	d	10.	d	14.	d
3.	d	7.	c	11.	a	15.	a
4.	c	8.	a	12.	b		

Result



Link: https://www.dropbox.com/s/e58q681gw0tjery/Result.mp4?dl=0

Thank you