

Cloud-Native Development: Self-Assessment Questions

1. 1. What is the significance of enterprise applications in modern organizations?

- They are used for gaming and entertainment.
- They automate and streamline business processes.
- They primarily serve small businesses.
- They are limited to financial services.

2. 2. What are the main functionalities of enterprise applications?

- CRM and ERP only
- HR management and supply chain management
- Video editing and animation
- Social media marketing

3. 3. How do enterprise applications contribute to process optimization?

- By increasing manual interventions
- By slowing down decision-making
- By automating and streamlining business processes
- By creating errors in operations

4. 4. What is a challenge associated with traditional deployment methods?

- High initial costs
- Low security risks
- Scalability issues
- Rapid adaptability

5. 5. What is the primary goal of cloud-native development?

- To increase traditional deployment costs
- To slow down the software development process
- To adapt to changing market conditions
- To eliminate the need for enterprise applications

6. 6. How do enterprise applications enhance decision-making?

- By providing outdated information
- By reducing access to up-to-date data
- By automating routine tasks and offering real-time data access
- By isolating employees from each other

7. 7. What is the role of enterprise applications in optimizing business processes?

- They have no impact on process optimization.
- They automate repetitive tasks.
- They complicate data management.
- They hinder resource allocation.

8. 8. How do enterprise applications support strategic goals?

- By promoting inefficiency
- By maintaining cost-inefficiency
- By aligning with an organization's strategic objectives
- By ignoring customer experience

9. 9. Why is customer experience enhancement important for businesses?

- It doesn't impact customer loyalty.
- Satisfied customers are more likely to remain loyal.
- It has no effect on long-term success.
- It complicates operations.

10. 10. What role do enterprise applications play in compliance and risk mitigation?

- They have no impact on compliance.
- They facilitate adherence to regulatory requirements.
- They increase risks.
- They discourage risk mitigation.

11. 11. What are the core principles of cloud-native development?

- Rigidity and inefficiency
- Microservices, containerization, and orchestration
- Manual deployment and scaling
- Disregard for resilience

12. 12. How does containerization benefit cloud-native applications?

- By complicating deployment and maintenance
- By offering a consistent and lightweight environment for applications
- By reducing application scalability
- By ignoring automation practices

13. 13. Which tool enables the automated management of containerized applications?

- GitHub

- Jenkins
- Kubernetes
- Docker

14. 14. What is the primary purpose of a DevOps culture in cloud-native development?

- To create silos between development and operations teams
- To slow down software development
- To promote collaboration and shared responsibility
- To eliminate the need for automation

15. 15. Why is resilience a key characteristic of cloud-native applications?

- To increase system-wide outages
- To hinder high availability
- To ensure high availability and reliability
- To promote frequent downtime