



Vendor: IBM

Exam Code: C1000-176

Exam Name: IBM Cloud Advanced Architect v2

Version: DEMO

QUESTION 1

What best describes the purpose of matching customer requirements with migration use cases to IBM Cloud?

- A. To ensure that the most expensive IBM Cloud services are utilized
- B. To minimize the need for security and compliance in the cloud
- C. To align the migration strategy with the customer's business and technical needs
- D. To avoid using IBM Cloud for complex migrations

Answer: C

QUESTION 2

Which infrastructure as code (IaC) approach defines the desired final state of the infrastructure?

- A. Declarative
- B. Imperative
- C. Interrogative
- D. Exclamatory

Answer: A

QUESTION 3

In the context of the IBM Cloud shared responsibility model, what aspect of security is IBM solely responsible for in a Platform as a Service (PaaS) offering?

- A. Application code security
- B. Physical security of data centers
- C. Security of customer data
- D. Security of client-side devices

Answer: B

QUESTION 4

When integrating a complex application landscape on IBM Cloud, which service facilitates the secure and scalable connection between applications, data, and services across different environments?

- A. IBM Cloud Direct Link
- B. IBM Cloud App ID
- C. IBM API Connect
- D. IBM Cloud Satellite

Answer: C

QUESTION 5

How does IBM Cloud Kubernetes Service (IKS) support the deployment of microservices architecture?

- A. By providing a platform for installing and managing physical servers

- B. Through managed Kubernetes clusters that simplify container orchestration
- C. By offering unlimited storage for any type of application or service
- D. Through dedicated bare metal servers for high-performance computing needs

Answer: B

QUESTION 6

Which combination of IBM Cloud services would you use to design a fault-tolerant and highly available application? (Select two)

- A. IBM Cloud Internet Services for global load balancing
- B. IBM Cloud Virtual Private Cloud for network isolation
- C. IBM Cloud Direct Link for private connectivity to IBM Cloud
- D. IBM Cloud Functions for serverless computing

Answer: AB

QUESTION 7

For securing a multi-tier web application in IBM Cloud, which combination of services should be considered? (Select two)

- A. IBM Cloud Activity Tracker for monitoring user activities
- B. IBM Cloud Databases for data storage
- C. IBM Cloud Internet Services for DDoS protection and CDN
- D. IBM Cloud Key Protect for managing encryption keys

Answer: AC

QUESTION 8

When migrating complex workloads to VMs/VSIs on IBM Cloud, what is a critical consideration?

- A. Ignoring security and compliance requirements
- B. Selecting the right VM/VSI sizes based on performance needs
- C. Avoiding any form of data encryption during migration
- D. Using only free-tier services for migration

Answer: B

QUESTION 9

In the context of auto-scaling, which IBM Cloud service can be used to define policies based on custom metrics?

- A. IBM Cloud Kubernetes Service
- B. IBM Cloud Object Storage
- C. IBM Cloud Databases
- D. IBM Cloud Virtual Servers

Answer: A

QUESTION 10

When selecting storage solutions on IBM Cloud for a data analytics platform, which factor is most important to consider?

- A. The color scheme of the web interface for easy identification
- B. The geographic location of physical servers only
- C. Compatibility with existing legacy backup systems
- D. Performance characteristics and scalability of the storage solution

Answer: D

QUESTION 11

What is an essential consideration when designing a migration solution to migrate data to DBaaS on IBM Cloud?

- A. Ensuring that the database uses the same language as the application code
- B. Matching the specific features and performance characteristics of the target DBaaS with the workload requirements
- C. Choosing a database solely based on the lowest cost option
- D. Migrating all data at once to minimize the migration window

Answer: B

QUESTION 12

How does implementing a Content Delivery Network (CDN) contribute to optimizing solution performance using geolocation?

- A. It ensures that compute resources are centrally located
- B. It reduces bandwidth costs by limiting data transfer
- C. It decreases latency by caching content closer to the user
- D. It simplifies application development by reducing the need for backend services

Answer: C

QUESTION 13

What does Recovery Time Objective (RTO) primarily define in disaster recovery planning?

- A. The maximum tolerable length of time that a service can be offline
- B. The total duration for which data might be lost due to an incident
- C. The geographical distance between primary and backup sites
- D. The amount of time it takes to detect a system outage

Answer: A

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