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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