

C1000-017.27q

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C1000-017

IBM Cloud Solutions Architect v3

Exam A

QUESTION 1

Which is a "Principle of Continuous Delivery"?

- A. Aim for "100% uptime" B. Code branches must be continuous.
- C. Configure everything automatically.
- D. Smaller and multiple releases that incorporate fewer changes.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

What are two advantages of microservices? (Choose two.)



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- A. Decoupled
- B. No latency
- C. No overhead
- D. Ease of monitoring
- E. Independently scalable

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

Reference: https://developer.ibm.com/tutorials/1601_clark-trs/

QUESTION 3

To meet demand during a high utilization period, which benefit of IBM Cloud for VMware Solutions allows a quick enterprise-class environment deploy with ondemand bare metal servers and virtual servers?

- A. Simplification
- B. Rapid provisioning
- C. Seamless integration
- D. Contraction flexibility

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:



QUESTION 4

Which Governance Risk and Compliance (GRC) practice deals with a legal compliance occurrence that has a potentially adverse effect on the enterprise?

- A. Risk Management
- B. Issue Management
- C. Incident Management
- D. Regulatory Initiative Management

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

What is the main function of Istio for microservices?

- A. An application for securing microservice applications
- B. An open platform to connect, manage, and secure microservices
- C. A communication engine that is part of the microservices Framework
- D. A tool to compile components that are part of the microservices Framework

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://github.com/istio/istio>

QUESTION 6

When logging into IBM Cloud, what type of ID will prompt someone to login through their company's login page?

- A. Cloud ID
- B. Google ID
- C. Service ID
- D. Federated ID



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.redbooks.ibm.com/redbooks/pdfs/sg248374.pdf>

QUESTION 7

IBM Cloud provides a number of options for ordering Subnets and IP addresses. What type of subnet does IBM provide for use with web and email servers?

- A. Static Subnet
- B. Global Subnet
- C. Primary Subnet
- D. Portable Subnet

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://developer.ibm.com/recipes/tutorials/building-scalable-architecture-using-custom-private-addressing-on-ibm-cloud/>

QUESTION 8

What is the purpose of the Cloud Foundry Manifest files?

- A. They document the contents of the project.
- B. They list the files that are part of the cloud.
- C. They control how the project is deployed to the cloud.
- D. They control the compilation of the project prior to deployment to the cloud.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: https://console.bluemix.net/docs/services/ContinuousDelivery/pipeline_about.html#deliverypipeline_about

QUESTION 9

An application developer wants a rapid development environment that provides autoscaling and allows them to focus on the business logic in an event driven process. The application developer should not have worry about the backend or runtime. What should they choose?

- A. Cloud Foundry
- B. IBM Open Systems
- C. IBM Cloud Functions
- D. Boilerplates with Auto-scaling

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.redbooks.ibm.com/redbooks/pdfs/sg248374.pdf> page 44

QUESTION 10

Which component allows planning and prioritization of workloads across hybrid cloud environments?



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- A. Enterprise Service Bus
- B. API Management Service
- C. Cloud Infrastructure as Code
- D. Cloud Brokerage Managed Services

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 11

How can the use of an IBM Garage Method Reference Architecture improve return on investment for a cloud project?

- A. They provide best-practice guidance to help a project start and succeed quickly.
- B. The project will not need architects as all necessary design work has been done by IBM.
- C. Following them rigidly guarantees that an application will deliver all required functionality.
- D. Fewer developers will be needed to design and code during the project due to the information they provide.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

What are two of the primary nodes required in an IBM Cloud Private cluster? (Choose two.)

- A. Master Node
- B. Slave Node
- C. Proxy Node
- D. Security Node
- E. Compute Node

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.ibm.com/developerworks/community/blogs/5092bd93-e659-4f89-8de2-a7ac980487f0/entry/Availability_considerations_for_single_ICP_cluster_topologies?lang=en

QUESTION 13

What is a functional requirement of an IBM Social Reference Architecture?

- A. Reduce barriers to effective collaboration
- B. Limit data replication throughout
- C. Only support online data replication
- D. Control collaboration with competitors

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

What is the purpose of the IBM Cloud CLI?

- A. To manage all resources in the IBM Cloud.
- B. For automatic updates to IBM Cloud resources.
- C. To integrate IBM Cloud with legacy applications.

D. To onboard 3rd party services to IBM Cloud space.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: https://console.bluemix.net/docs/cli/reference/ibmcloud/download_cli.html#install_use

QUESTION 15

In Cloud Foundry, which is a mechanism to group a set of applications, services, and team members within an organization?

- A. Space
- B. Group
- C. Domain
- D. Collective

Correct Answer: A

Section: (none)

Explanation



Explanation/Reference:

QUESTION 16

Which statement is true when using a bare metal server on IBM Cloud?

- A. They run Unix-based operating systems only.
- B. They are built with a custom configuration and take 3-4 hours to provision.
- C. They do not run in a hypervisor and low-level access to the hardware resources is given.
- D. They offer dedicated compute power but share other server resources with other customers.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

Which IBM service supports building integration flows through a no-code approach and exposes those flows as RESTful APIs without having to be an API development expert?

- A. IBM BPM
- B. IBM WAS
- C. IBM API Integrator
- D. IBM App Connect

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

The Vulnerability Advisor that is part of the Kubernetes Service from IBM scans Docker images and live containers. What is one item the scan is identifying?

- A. Viruses
- B. Recursion
- C. Known CVEs
- D. Zero day exploits



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

Which statement describes a dedicated service in IBM Cloud?

- A. A cloud computing environment, running on IBM Cloud, that provides dedicated support personnel.
- B. A cloud computing environment, running on IBM Cloud, that provides infrastructure with single-tenant hardware.
- C. A Bring-Your-Own-Box solution where customers can deploy their hardware in an IBM Data Center and have IBM manage it.

- D. A cloud computing environment in which access to standardized resources, such as infrastructure, multi-tenant hardware, and services, is available to subscribers on a pay-per-use basis.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.ibm.com/cloud/dedicated>

QUESTION 20

What are key components of identity and access management?

- A. Horizon and anti-tailgating measures
- B. Data classification and data masking
- C. Video surveillance and password protected consoles
- D. Multifactor authentication (MFA) and directory services



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Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.ibm.com/cloud/garage/architectures/securityArchitecture/security-identity-access-management>

QUESTION 21

A client deploys an application to the cloud using Platform as a Service (PaaS). Which statement is true?

- A. The client must provide application and runtime.
- B. The cloud vendor deals with data on the client's behalf.
- C. There is no single point of failure as data resides in the cloud.
- D. The cloud vendor manages operating systems, runtimes, and backups.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

Which two application styles have Reference Architectures in the IBM Garage Method Architecture Center? (Choose two.)

- A. Healthcare
- B. Blockchain
- C. Public Sector
- D. Private Cloud
- E. SDK for Node.js



Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.ibm.com/cloud/garage/architectures>

QUESTION 23

Which two statements describe two-speed IT? (Choose two.)

- A. One speed for transformation of cloud enabled applications.
- B. One speed for support of traditional enterprise applications.
- C. One speed for quick delivery of new applications and services.
- D. One speed for all types of software development, digital and non-digital alike.
- E. One speed to replace enterprise applications.

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

Which statement describes the immutability of data on Blockchain?

- A. Data can only be modified through a smart contract.
- B. No participant can tamper with a transaction after it has been recorded to the ledger.
- C. It is impossible to modify business data across a network of potentially dozens or hundreds of ledgers.
- D. All data is encrypted using a one-way hashing algorithm. Therefore, changing stored data is impossible.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

How can an IBM Garage Method Reference Architecture help break down the solution to a business problem?

- A. It identifies the DevOps tooling that is required to ensure the solution runs in production.
- B. It identifies the low level system modules required to meet the business defined requirements.
- C. It identifies the different personas that need to take charge of different aspects of the solution.
- D. It identifies the different IaaS, PaaS and SaaS services that must be used to create different parts of the solution.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

How can adopting an Application Performance Management (APM) strategy and integrating it with a DevOps approach help to ensure that whatever platform is chosen for a workload is a seamless experience for the end-user?

- A. IBM APM runs only on the IBM Cloud and IBM Hybrid Cloud environments.
- B. IBM APM is the right companion to the new generation of DevOps tools.
- C. IBM APM runs root cause analysis on issues in production systems.
- D. IBM APM can be leveraged in the early phases of system testing and development on production-like systems.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

What service is provided by the Secure Gateway for IBM Cloud?

- A. Edge security for IoT Devices
- B. Secure API access to Watson IoT Platform
- C. A secure way to access on-premises or cloud data from an IBM Cloud application by using a secure passage
- D. Authentication for mobile and web apps that connect to an IoT Connection Service solution.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



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