

## C1000-109<sup>Q&As</sup>

IBM Cloud Professional Developer v4

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## QUESTION 1

Infrastructure as Code (IaC) is a core technology to drive consistent infrastructure when building a DevOps practice. Which IBM Cloud service can be used to declare software defined environments?

- A. Puppet
- B. Chef
- C. RunDeck
- D. Schematics

Correct Answer: A

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## QUESTION 2

What is the function of a NodePort in IBM Cloud Kubernetes Service?

- A. Exposes the Service on a cluster internal IP
- B. Exposes the Service using IBM Cloud load balancer solution
- C. Exposes the Service using Kubernetes proxy between the external computer and the cluster
- D. Exposes the Service on each Worker Node's IP Address at a static port

Correct Answer: D

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## QUESTION 3

Which of the following best describes a Pod in Kubernetes architecture?

- A. A Pod represents a single instance of an application in Kubernetes, consisting of either a single container or a small number of tightly coupled containers that share resources.
- B. A Pod is the element of Kubernetes responsible for application replication, providing high availability and resilience.
- C. A Pod describes a desired state in a Deployment, and the Pod Controller changes the actual state to the desired state at a controlled rate.
- D. A Pod is the component responsible for cluster management. It manages all nodes and replicate the applications on them.

Correct Answer: A

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## QUESTION 4

Which two of the following are benefits of Cloud Functions?

- A. Scaling up or down automatically
- B. Invoke SQL queries on objects stored on Cloud Object Storage
- C. Low-code/no-code graphical development environment
- D. Support for C, C++ and R runtimes
- E. Focus on code, not infrastructure

Correct Answer: C

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**QUESTION 5**

Which two of the following are benefits of a Content Delivery Network (CDN)?

- A. Connects high speed direct links between your account and theirs to provide reliable low latency connections
- B. Mitigates distributed denial of service (DDoS) attacks, man-in-the-middle attacks, and other common attacks on web sites
- C. Copies web sites to a central location to deliver fast responses to improve customer satisfaction
- D. Provides infrastructure and bandwidth in planned remote locations at a predefined hourly rate
- E. Decreases impacts to website performance by reducing the effects of spikes or surges in demand

Correct Answer: AB

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**QUESTION 6**

Which approach is used by devices when authenticating to the Watson IoT Platform HTTP Messaging API?

- A. OAuth
- B. Identity and Access Management
- C. API Key
- D. Basic authentication

Correct Answer: B

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**QUESTION 7**

A developer has been granted the Viewer role for the IBM Log Analysis with LogDNA Web UI and view logs. Which of the following actions will the user be able to achieve?

- A. Launch the Web UI and view logs in the Web UI
- B. View the list of service instances in the Observability Logging dashboard

- C. View service keys through the Web UI
- D. Review IAM permissions granted to other users

Correct Answer: B

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## QUESTION 8

The IBM Cloud Kubernetes Service cluster autoscaler is available for standard clusters that are set up with which of the following networks?

- A. VPN
- B. Public
- C. Hybrid
- D. Private

Correct Answer: B

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## QUESTION 9

Which of the following can be used when a social networking site on Classic Infrastructure is expecting traffic to spike and requires more resources during the holiday season?

- A. Schedule-based
- B. Auto-Scaling
- C. Resource-based
- D. Network-based

Correct Answer: B

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## QUESTION 10

IBM Cloud Activity Tracker with LogDNA events can be used to perform which action?

- A. Monitor Application logs
- B. Check Pod usage
- C. Check the criticality of an action
- D. Monitor Network traffic

Correct Answer: D

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**QUESTION 11**

When using the IBM Blockchain Platform, what is the 'first block' in a chain called?

- A. Merkle root
- B. Root node
- C. Genesis block
- D. Primordial block

Correct Answer: C

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**QUESTION 12**

A company defined a strategic goal to move applications to cloud. In this context, all new projects developed must be cloud-native. A developer starting a new project should follow which strategy?

- A. The application must use PaaS in public clouds and be portable among them
- B. The application must be scalable and run in a dynamic environment
- C. The application must be stateless and use serverless architecture
- D. The application must use a CORBA buffer to integrate APIs

Correct Answer: D

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**QUESTION 13**

A Mobile application developer is using IBM Mobile Foundation for the backend services. The application end users need access to the application data even when there is no network and the application is running offline. Which of the following IBM Mobile Foundation features will help in this scenario?

- A. JSONStore
- B. Mobile Foundation SDK
- C. AES 256 encryption and Data storage
- D. Mobile Foundation Adapters

Correct Answer: D

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**QUESTION 14**

A developer is instructed to use a circuit breaker pattern in a User Story, using a best effort approach. What should the developer do to deliver this request?

- A. Check the service status through an API call and throw an exception when the service is down

- B. Add a fallback method that returns null or an empty set as result when the service is down
- C. Add a fallback method that returns a cached copy of the data requested when the service is down
- D. Add a retry loop to keep trying the invocation when the service is down

Correct Answer: A

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## QUESTION 15

A developer wants to build a mobile-based CRUD microservice backed by a IBM Cloud Databases for PostgreSQL and wants to test the microservice on IBM Cloud. Which tool can best satisfy this requirement?

- A. Mobile First Platform
- B. DataPower that runs as a container
- C. API Connect Toolkit
- D. IBM Developer Portal

Correct Answer: B

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