



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

IBM Cloud Professional Developer v4

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#### QUESTION 1

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 2

In the Kubernetes architecture, what is the most granular unit of deployment?

- A. Replica
- B. Service
- C. Pod
- D. Container

Correct Answer: C

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#### QUESTION 3

Which two of the following are exposed to leverage IBM DB2 Warehouse on Cloud through REST?

- A. Database management API
- B. Database Data Access API
- C. Database monitoring API
- D. Database Programming API
- E. Database resource scaling API

Correct Answer: AC

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#### QUESTION 4

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 5

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 6

In the Ops part of DevOps practices, one key practice is Service Management and Operations. A team is deploying a new version of an application and, after a bad history of recurring fails in production, wants to implement practices to avoid recurring problems. What IBM Garage practice can be used by the team to achieve its goal?

- A. The team can implement tools to identify, correlate and analyze events and alerts
- B. The team can implement 5 Hows approach to analyze each fail
- C. The team can implement collaboration tools to unify the team in problem resolution
- D. The team can implement health check APIs to monitor applications services

Correct Answer: D

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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

While building a chatbot with Watson Assistant, a developer wants to expand the dialog skill to avoid showing the message ":I \\m sorry, I\\m arraid I can\\t do that." to the user. What solutions can the developer use?

- A. The developer should completely change the Intent to allow the Watson Dialog Skill to recognize a wider dialog flow
- B. The developer can add a Watson Studio capability to analyze, cleanse and shape data and train machine learning models to enhance the Dialog Skill
- C. The developer can add a Search Skill to route complex customer inquiries to the IBM Watson Discovery service to treat the user input as a search query
- D. The developer should use the Watson OpenScale add-on to route inquiries to treat the user input as a search query

Correct Answer: D

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#### QUESTION 9

Why is separation of duty essential for cloud native application development?

- A. To ensure protection from malicious attacker
- B. To ensure users only have the access to the resources to perform their job
- C. To ensure that each microservice only performs one essential task
- D. To ensure protection from vulnerabilities

Correct Answer: A

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#### QUESTION 10

For a DevOps team, one of the most Important capabilities is Continuous Feedback. On a team using IBM Garage method, what Continuous Feedback technique can be used collect user feedback on new features developed by the team?

- A. A / B test can be used to deploy two different version of a feature in production and monitor how users interact with them
- B. A continuous deployment tool can be used to alternate the application version in production environment and monitor their usage by users



- C. A design thinking session can be used to define the personas and collect their feeling about new features developed
- D. Blue / Green deployment can be used to deploy two different versions of application at same time and collect data on how users are using them

Correct Answer: D

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#### QUESTION 11

The application team has made extensive use of IBM Certificate Manager for their work. What additional service would provide an alert in advance that a certificate was going to expire?

- A. LogDNA
- B. SysDig
- C. Availability Monitoring
- D. Security Advisor

Correct Answer: A

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#### QUESTION 12

A developer working on Red Hat OpenShift on IBM Cloud is tasked to monitor further application metrics using IBM Cloud Monitoring with Sysdig for the application in container called: my-java-app. How should the developer configure the Sysdig agent?



- A. Edit the existing DaemonSet sysdig-agent with the following spec:
- ```
app:
  - container.image: my-java-app
metrics_filter:
  - include: metricA.*
```
- B. Create a new ConfigMap sysdig-agent including the following data:
- ```
app:
  - container.image: my-java-app
metrics_filter:
  - include: metric.my-java-app.*
```
- C. Edit the existing ConfigMap sysdig-agent by adding the following data:
- ```
# Include or exclude conditions
container_filter:
  - include:
    container.image: appdomain/my-app-image
  - include:
    container.name: my-java-app
```
- D. Create a new DaemonSet including the following spec:
- ```
k8s_cluster_name: cluster
collector: ingest.us-south.monitoring.cloud.ibm.com
collector_port: 6443
ssl: true
ssl_verify_certificate: true
sysdig_capture_enabled: false
new_k8s: true
tags: type:mycluster,region:us-south
- include:
  container.image: appdomain/my-app-image
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

### QUESTION 13



Which API method is provided by Db2 on Cloud?

- A. POST/auth/tokens
- B. GET/db2\_\_settings
- C. POST /sql\_query
- D. DELETE /sqljobs

Correct Answer: A

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#### QUESTION 14

What would a developer write to manage the lifecycle of an application in an IBM Cloud OpenShift cluster?

- A. An operator
- B. A private registry
- C. A junction
- D. A docker instance

Correct Answer: B

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#### QUESTION 15

A developer has been asked to create a website which needs user authentication using AppID. Aside from federation, what service resides in AppID to authenticate users?

- A. IBM Security Key Lifecycle Manager
- B. OIDC Repository
- C. SAML
- D. Cloud Directory

Correct Answer: C

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