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**IBM**

**C1000-166**

*IBM Cloud Professional Developer v6*

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## Question: 1

Which two integrations does Watson Assistant provide out of the box?

Response:

- A. Slack
- B. WhatsApp
- C. Twitter
- D. Google Chat
- E. Wordpress

Answer: A, B

Explanation: Watson Assistant provides out-of-the-box integrations with popular messaging platforms such as Slack and WhatsApp. These integrations allow developers to easily deploy their chatbots on these platforms and interact with users seamlessly.

## Question: 2

When deploying an application on IBM Cloud, which deployment option allows for easy scaling of resources based on demand?

Response:

- A. Single-tenant deployment
- B. On-premises deployment
- C. Multi-region deployment
- D. Kubernetes deployment
- E. Virtual machine deployment

Answer: D

Explanation: Kubernetes deployment is an option for deploying applications on IBM Cloud that allows for easy scaling of resources based on demand.

Kubernetes provides container orchestration capabilities, allowing developers to manage and scale their application resources efficiently.

### Question: 3

A developer wants to use a managed database service on IBM Cloud for their application. Which of the following services should the developer choose for hosting a MongoDB database?

Response:

- A. IBM Db2 on Cloud
- B. IBM Cloudant
- C. IBM Compose for MongoDB
- D. IBM Cloud Object Storage

Answer: C

Explanation: IBM Compose for MongoDB is a managed database service on IBM Cloud specifically designed for hosting MongoDB databases, making it the appropriate choice for the developer.

### Question: 4

Which of the following automated development tools is commonly used for continuous integration and continuous deployment (CI/CD) in the IBM Cloud ecosystem?

Response:

- A. Jenkins
- B. Travis CI
- C. CircleCI
- D. GitLab CI/CD

Answer: D

Explanation: GitLab CI/CD is commonly used in the IBM Cloud ecosystem for automating the build, test, and deployment processes in a CI/CD pipeline.

### Question: 5

Which of the following is an important consideration for ensuring application security on IBM Cloud?

Response:

- A. Implementing strong password policies
- B. Enabling two-factor authentication (2FA)
- C. Regularly updating software libraries and dependencies
- D. Encrypting sensitive data at rest and in transit
- E. Restricting network access through firewalls

Answer: D

Explanation: Encrypting sensitive data at rest and in transit is an important consideration for ensuring application security on IBM Cloud. By encrypting data, developers can protect it from unauthorized access and ensure the confidentiality and integrity of sensitive information.

### Question: 6

Which automated development tool provides continuous integration and

delivery (CI/CD) capabilities for applications deployed on IBM Cloud?

Response:

- A. Jenkins
- B. Travis CI
- C. IBM UrbanCode Deploy
- D. CircleCI
- E. Bamboo

Answer: C

Explanation: IBM UrbanCode Deploy is an automated development tool that provides CI/CD capabilities for applications deployed on IBM Cloud. It enables developers to automate the build, test, and deployment processes, ensuring faster and more reliable application delivery.

### Question: 7

Which IBM Cloud service is commonly used for integrating and analyzing large volumes of data?

Response:

- A. Watson Assistant
- B. Cloud Functions
- C. Cloud Foundry
- D. IBM App Connect
- E. IBM Db2 Warehouse

Answer: E

Explanation: IBM Db2 Warehouse is a commonly used IBM Cloud service for

integrating and analyzing large volumes of data. It provides a scalable and high-performance data warehouse solution, allowing developers to store, manage, and analyze data effectively.

### **Question: 8**

A developer wants to secure sensitive data in their IBM Cloud application. Which of the following services can the developer use for data encryption at rest?

Response:

- A. IBM Cloud Key Protect
- B. IBM Cloud Identity and Access Management (IAM)
- C. IBM Cloud Security Advisor
- D. IBM Cloud App ID

Answer: A

Explanation: IBM Cloud Key Protect is a service that allows developers to manage and secure encryption keys, making it suitable for data encryption at rest in an IBM Cloud application.

### **Question: 9**

A developer wants to deploy a Node.js application on IBM Cloud. Which of the following deployment options is the most suitable for the developer?

Response:

- A. Deploy the application using IBM Cloud Foundry
- B. Deploy the application using IBM Kubernetes Service
- C. Deploy the application using IBM Cloud Functions

D. Deploy the application using IBM Cloud Virtual Servers

Answer: B

Explanation: IBM Kubernetes Service provides a scalable and flexible environment for deploying containerized applications, making it the most suitable option for deploying a Node.js application on IBM Cloud.

### Question: 10

A developer wants to deploy a Python Flask application on IBM Cloud. Which of the following deployment options is the most suitable for the developer?

Response:

- A. Deploy the application using IBM Cloud Functions
- B. Deploy the application using IBM Cloud Foundry
- C. Deploy the application using IBM Kubernetes Service
- D. Deploy the application using IBM Cloud Virtual Servers

Answer: B

Explanation: IBM Cloud Foundry provides a platform-as-a-service (PaaS) environment that supports multiple programming languages, including Python Flask. It is the most suitable option for deploying a Python Flask application on IBM Cloud.

### Question: 11

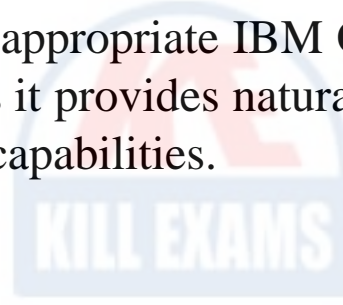
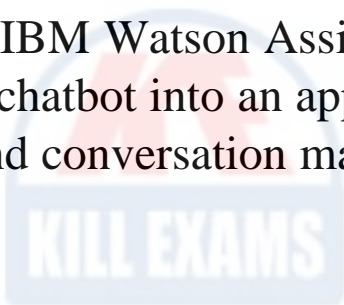
A developer wants to integrate an IBM Watson Assistant chatbot into their application. Which of the following IBM Cloud services should the developer use?

Response:

- A. IBM Cloud Functions
- B. IBM Cloud Foundry
- C. IBM Cloud Kubernetes Service
- D. IBM Watson Assistant

Answer: D

Explanation: IBM Watson Assistant is the appropriate IBM Cloud service for integrating a chatbot into an application, as it provides natural language processing and conversation management capabilities.



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