Module 3 - Graded Quiz
Latest Submission Grade 80%

1.
Question 1

Which of the following statements describes what a ReplicaSet does? Select the four that apply.

1 / 1 point

☑

Maintains a stable set of Pods in a cluster, spinning up or deleting pods as needed

Correct

☑

Provides configuration details to Deployments

Correct

☑

Replicates a Deployment

Correct

☑

Rolls out app changes in an automated and controlled manner

Correct

☐

Autoscales an application

2.
Question 2

Which of the following Kubernetes objects are used to run applications? Select the four that apply.

1 / 1 point

☑

ConfigMaps

Correct

☑

Secrets

Correct

☐

ibmcloud CLI

☑

ReplicaSets

Correct

☑

Service bindings

Correct

3.
Question 3

In this sample kubectl command, what does get deployments tell us? Select the four that apply.

» kubectl get deployments

NAME READY UP-TO-DATE AVAILABLE AGE

 Nginx-deploy 1/3 1 1 3s

1 / 1 point

☑

How long the application has been running.

Correct

☐

The Kubernetes namespace in which the Deployments live.

☑

How many replicas of the application are available.

Correct

☑

The number of replicas that have been updated to the desired state.

Correct

☑

How many replicas of the application are ready.

Correct

4.
Question 4

Which of the following Kubernetes objects is used to store and manage sensitive information?

1 / 1 point

○

ReplicaSets

○

ConfigMaps

◉

Secrets

○

Service bindings

Correct

5.
Question 5
Which of the following can be used to create ConfigMaps? Select the three that apply.

0 / 1 point

☐

Horizontal Pod Autoscaler

☑

A file with key-value pairs

Correct

☑

A YAML configuration file

Correct

☐

The kubectl configmap command

☐

Service bindings

This should not be selected

6.
Question 6
How are ReplicaSets often created?

1 / 1 point

○

By adding a ReplicaSet: on flag to the deployment's configuration file.

◉

One is automatically created for you when you create a Deployment.

○

By adding a ReplicaSet: on flag to the Dockerfile used to build the container image.

○

Using the kubectl create replicaset command.

Correct

7.
Question 7
Which of the following Kubernetes objects are used to run applications? Select the three that apply.

0 / 1 point
☑

Service bindings

Correct
☐

Plugins

☑

ConfigMaps

Correct
☑

Deployments

☐

ResourceSets

This should not be selected

8.
Question 8
Which of the following are used to provide ConfigMaps to Pods and Deployments? Select the two that apply.

1 / 1 point
☑

String literals

☐

Service bindings

☐

Kubernetes schedulers

☑

YAML configuration files

☐

Container runtimes

9.
Question 9

What Kubernetes capabilities enable an application to increase the number of Pods based on traffic? Select the two that apply.

1 / 1 point

☐

kubectl scale command

☐

Kubernetes traffic router

☑

kubectl autoscale command

☐

Service binding

☑

Horizontal Pod Autoscaler

10.
Question 10

What does the following command do?

kubectl get secrets --namespace=default

1 / 1 point

◉

Retrieves the secrets in the "default" namespace

○

Retrieves the binding.password values for the services bound to your Kubernetes cluster

○

Retrieves all the Secrets in your Kubernetes cluster

○

Retrieves the IBM Cloud IAM API key for your Kubernetes cluster

Correct