

## ✔ Congratulations! You passed!

Grade received 100%

To pass 80% or higher

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## Persistent Data and Storage

Latest Submission Grade 100%

1. An application owner has created a Pod manifest using a PersistentVolumeClaim with a StorageClassName value of standard. What type of storage is used for this volume in a GKE Cluster?

1 / 1 point

- ☐ Memory Backed.
- ☒ Google Persistent Disk.
- ☐ NFS Storage.
- ☐ Local volume on the node.

✔ **Correct**  
That is correct.

2. You have created a ConfigMap and want to make the data available to your application. Where should you configure the directory path parameters in the Pod manifest to allow your application to access the data as files?

1 / 1 point

- ☐ spec.containers.env
- ☐ spec.containers.volumes
- ☐ spec.containers.name

☒ spec.containers.volumeMounts

☒ **Correct**  
That is correct.

3. You are creating a new PersistentVolume object, and the Volume is to be created using Google Cloud standard Persistent Disks. What property must you configure to set the read/write characteristics for the Volume to the correct setting?

1 / 1 point

☐ accessModes: [ReadWriteMany]

☒ accessModes: [ReadWriteOnce]

☐ accessModes: [ReadOnlyMany]

☐ readOnly: false

☒ **Correct**  
That is correct.

4. A stateful set consists of four Pods that are named Demo-0, Demo-1, Demo-2 and Demo-3. The StatefulSet originally only had two replica Pods but this was recently increased to four replicas. An update is being rolled out to this StatefulSet using the RollingUpdate updateStrategy type. Which Pod will be the last member of the StatefulSet to be updated?

1 / 1 point

☐ Demo-3

☐ Demo-1

☐ Demo-2

☒ Demo-0

**Correct**

☒ That is correct.

5. A stateful set consists of four Pods that are named Demo-0, Demo-1, Demo-2 and Demo-3; with matching volumeClaims called Demo-0 to Demo-3 assigned by the StatefulSet. Demo-1 Pod has failed and the StatefulSet controller deploys a new Pod to replace it. What will the new Pod be called and what storage volume is attached to it?

**1 / 1 point**

- ☐ The new Pod will be called Demo-4 and will have the existing Demo-1 volume attached to it.
- ☐ The new Pod will be called Demo-4 and will have a new volume called Demo-4 attached to it.
- ☐ The new Pod will be called Demo-1 and will have a new volume called Demo-4 attached to it.
- ☒ The new Pod will be called Demo-1 and will have the existing Demo-1 volume attached to it.

☒ **Correct**  
That is correct.

6. Which type of Kubernetes Secret should you use to pass credentials for an image repository so that Kubelet can pull private images on behalf of your Pods?

**1 / 1 point**

- ☒ A Docker Registry Secret
- ☐ A TLS Secret
- ☐ A Generic Secret
- ☐ A JSON Credential file

✓ **Correct**

That is correct.