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Grade received 100%
To pass 80% or higher

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Using Google Cloud Managed Storage Services with GKE

Latest Submission Grade 100%

1. You want to reduce the management overheads associated with using a containerized MySQL server in your application. Which Google managed storage service can you use as a direct replacement? **1 / 1 point**

- ○ Datastore
- ◉ Cloud SQL
- ○ Cloud BigTable
- ○ Cloud Storage

Correct
That is correct.

2. You are deploying an application running inside a Pod in a GKE cluster that needs to access a Google Cloud managed storage service in a secure and controlled manner. What step must you take in order to allow the application to access the service? **1 / 1 point**

- ◉ The application must be provided with the credentials for a Google IAM account with the permissions required to access the Google Cloud service.
- ○ The Kubernetes Service Account for the cluster must be given the permissions needed to access the Google Cloud service.

- ◯ A proxy container that is configured with the credentials and identity of the service must be deployed in the same Pod as your application.
- ◯ A DNS SRV record containing the IP address and port of the managed service must be added to the DNS server inside the GKE cluster.

✓ **Correct**
That is correct.

3. You are designing a solution for a new application and need to set out the guidelines for the accounts that will be used by the application to access managed Google Cloud services. Which of the following approaches follows the Google recommended practice for such accounts? **1 / 1 point**

- ◯ Create a dedicated Google Cloud Service Account for GKE applications and assign the permissions to that account.
- ◯ Update the permissions on the existing Compute Engine service account with the additional permissions needed.
- ◯ Create a Google Group containing the Service Accounts for all applications, and assign permissions to the Google Group.
- ◉ Create a separate Google Cloud Service Account for each application and assign permissions to those accounts.

✓ **Correct**
That is correct.

4. You are configuring applications that need access to Google managed storage services. The applications will be deployed to your GKE clusters. How should you provide the credentials to the applications so that they are protected? **1 / 1 point**

- ○ Add the necessary permissions to the default Service Account for the GKE cluster so that all containers running inside the cluster have automatic access to the required services.
- ◉ Create Kubernetes Secrets containing the account credential files and present those to the containers as environment variables or Secret Volumes.
- ○ Provide the credential files in a separate Docker layer when building the containers so that the container can easily be rebuilt when the credentials change.
- ○ Store the credentials in a shared volume where they can be updated centrally and mount that volume inside the containers in your application.

✓ **Correct**
That is correct.

5. You are considering options for your business continuity and data protection plans and have identified a number of systems that need to be archived periodically for regulatory compliance. These archives must be kept for up to 5 years and will need to be audited quarterly. Apart from the quarterly audit, there is no expectation that they will need to be accessed routinely. What Google Storage solution best matches these requirements? **1 / 1 point**

- ○ Cloud Storage - Coldline
- ○ Cloud Storage - Multi-Regional
- ○ Cloud Storage - Regional
- ◉ Cloud Storage - Nearline

✓ **Correct**
That is correct.

6.

1 / 1 point

Which Google managed storage solution should you use for an online multiplayer game that needs to be able to propagate a consistent global game state across a massive number of concurrent sessions?

- ○ Cloud SQL
- ○ Cloud BigTable
- ○ Cloud Storage
- ◉ Datastore

Correct
That is correct.