Exam Breakdown

Managing Resources and Working with Logs

**1.**

What action is performed by the kubectl exec command?

thumb\_up

thumb\_down

A

Create a new deployment

B

View a list of Kubernetes resources

C

Inspect Kubernetes resources

D

Run commands inside a container

**Correct Answer: D**

**Why is this correct?**

This command is used to run commands inside a container, including bash scripts. This is useful for pulling data from pods.

Video for reference: Managing Kubernetes Engine Resources

**2.**

Which of the following statements is **NOT** true regarding snapshots and persistent disks?

thumb\_up

thumb\_down

A

The incremental nature of snapshots preserves storage space.

B

Different persistent disks can share the same name if they are in different zones.

C

Snapshots only save the changes from the previous snapshot.

D

Persistent disks require a globally unique name.

**Correct Answer: D**

**Why is this correct?**

This statement is not true. Persistent disks can have the same name in different zones. They do not need to have a globally unique name.

Video for reference: Managing Compute Engine Instances - Images and Snapshots

INCORRECT

**3.**

If your application has been modified, how can you ensure that 100% of traffic is routed to the new version (version number 17771777)? Select the most appropriate response.

thumb\_up

thumb\_down

A

Use the --splits=17771777=1, [13331333]=0 flag

B

Use the --splits=17771777=100, [13331333]=0 flag

C

Use the --splits=17771777=ALL flag

D

This will already occur by default.

**Your Answer: A**

**Why is this incorrect?**

Splitting traffic using the flag is not needed to route all traffic to the new version. This will happen by default.

Video for reference: Managing App Engine Resources

**Correct Answer: D**

**Why is this correct?**

If an application has more than one version, the default behavior is to route 100% of traffic to the newer version.

Video for reference: Managing App Engine Resources

**4.**

We can use gsutil signurl -d 3m to create a signed URL. What does 3m signify?

thumb\_up

thumb\_down

A

The object can be viewed for 3 minutes

B

The storage bucket will become public in 3 minutes

C

The object can be accessed after 3 minutes

D

The URL will become active in 3 minutes

**Correct Answer: A**

**Why is this correct?**

3m in the signed URL creation command signifies that the object can be viewed for 3 minutes. After that, the URL will expire.

Video for reference: Working with Cloud Storage

**5.**

Which IP address range has the most IP addresses?

thumb\_up

thumb\_down

A

10.28.0.0/8

B

10.28.0.0/29

C

10.28.0.0/11

D

10.28.0.0/17

**Correct Answer: A**

**Why is this correct?**

This IP address range has a higher number of IP addresses than the other responses. The smaller the mask bit, the higher the number of IP addresses in the range. In this case, the mask bit is 8 and contains 16,777,214 hosts.

Video for reference: Managing Networking Resources

**6.**

Which of the following can be used to create a new image?

thumb\_up

thumb\_down

A

Snapshot

B

Cloud Storage file

C

All responses are correct

D

Disk

E

Image

**Correct Answer: C**

**Why is this correct?**

An image can be created from an existing disk, a snapshot, another image, or a Cloud Storage file.

Video for reference: Managing Compute Engine Instances - Images and Snapshots

**7.**

A point-in-time copy of a persistent disk is called a:

thumb\_up

thumb\_down

A

Image

B

Family

C

Snapshot

D

Backup

**Correct Answer: C**

**Why is this correct?**

A snapshot is a point-in-time copy of a persistent disk.

Video for reference: Managing Compute Engine Instances - Images and Snapshots

**8.**

What action is performed by the gcloud config list command? Select the most appropriate response.

thumb\_up

thumb\_down

A

List the settings for the active configuration

B

List all projects that are assigned to a configuration

C

List all gcloud configurations

D

List all active configurations

**Correct Answer: A**

**Why is this correct?**

This command lists the settings for the active configuration.

Video for reference: Cloud SDK Configurations

**9.**

Which of the following statements is **NOT** true regarding firewall rule targets?

thumb\_up

thumb\_down

A

A target refers to the instance that the firewall rule applies to.

B

The target cannot be all instances within a specific service account.

C

We can set the firewall rule to apply to instances that share a specific target tag.

D

We can set the firewall rule to apply to all instances.

**Correct Answer: B**

**Why is this correct?**

This statement is untrue. A target **can** be all instances within a service account.

Video for reference: Managing Compute Engine Instances - Creating an Instance

**10.**

What action is performed by the gcloud config configurations create command? Select the most appropriate response.

thumb\_up

thumb\_down

A

Activate a new configuration

B

Create and activate a new configuration

C

Create a new configuration

D

Activate an existing configuration

**Correct Answer: B**

**Why is this correct?**

This command creates a new configuration and automatically activates it.

Video for reference: Cloud SDK Configurations

**11.**

Which of the following statements is true regarding Compute Engine instances and GPUs?

thumb\_up

thumb\_down

A

Every zone has the same number of GPUs.

B

Not all GPU types are available in every zone.

C

Every zone has the same types of GPUs.

D

Google assigns a zone to your VM instance based on the GPU model that you specify.

**Correct Answer: B**

**Why is this correct?**

This statement is true. Make sure that you are using a zone that supports the GPU type that is needed for your VM instance.

Video for reference: Managing Compute Engine Instances - Creating an Instance

**12.**

Using the CLI, what command would your colleague, Mathias, use to SSH into a VM instance named development-server?

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thumb\_down

A

gcloud compute ssh mathias@development-server

B

gcloud connect ssh mathias@development-server

C

gsutil compute ssh mathias@development-server

D

gcloud compute development-server@mathias --ssh

**Correct Answer: A**

**Why is this correct?**

This is the correct command that Mathias would use to connect to the development-server instance via SSH. The syntax is gcloud compute ssh + [USER\_NAME] + @[SERVER\_NAME].

Video for reference: Managing Compute Engine Instances - SSH

**13.**

Log sinks can export records to which of the following destinations?

thumb\_up

thumb\_down

A

Cloud Bigtable

B

Cloud Pub/Sub

C

Cloud SQL

D

Cloud Spanner

**Correct Answer: B**

**Why is this correct?**

Log sinks can be exported to Cloud Pub/Sub.

Video for reference: Monitoring and Logging

**14.**

Why is using the gcloud compute ssh command easier than using a third-party client to manage SSH keys?

thumb\_up

thumb\_down

A

The CLI command uploads instance-level SSH keys for us.

B

The CLI command generates the SSH keys in the terminal.

C

The CLI command uploads the SSH key for us so we do not have to manage it.

D

The CLI command determines the server name when we provide the IP address of the instance.

**Correct Answer: C**

**Why is this correct?**

The gcloud compute ssh command conveniently uploads the SSH key for us.

Video for reference: Managing Compute Engine Instances - SSH

**15.**

What command is used to resize a Kubernetes cluster?

thumb\_up

thumb\_down

A

gcloud container clusters modify-instances

B

gcloud container clusters resize

C

kubectl clusters resize

D

kubectl clusters modify-instances

**Correct Answer: B**

**Why is this correct?**

This command is used to resize a Kubernetes cluster. Remember that kubectl is not used to modify the Kubernetes cluster.

Video for reference: Managing Kubernetes Engine Resources

**16.**

Which type of scaling can **NOT** be used by flexible environments?

thumb\_up

thumb\_down

A

Automatic

B

Flexible environments can use all three scaling types.

C

Basic

D

Manual

**Correct Answer: C**

**Why is this correct?**

Flexible environments can only use automatic or manual scaling.

Video for reference: Managing App Engine Resources

**17.**

What action is performed by the gcloud config configurations activate command?

thumb\_up

thumb\_down

A

Activate an existing configuration

B

Create and activate a new configuration

C

Set the account for a configuration

D

Assign a project to a configuration

**Correct Answer: A**

**Why is this correct?**

This command is used to activate an existing configuration. New configurations are already activated when they are created.

Video for reference: Cloud SDK Configurations

**18.**

What command is used to show a list of Cloud Storage buckets?

thumb\_up

thumb\_down

A

gcloud ls

B

gcloud list

C

gsutil ls

D

gsutil list