1. How to switch from one project settings to another in gcloud SDK session?

Gcloud config configutations activate

Gcloud config list

Gcloud config configurations list

Gcloud config configurations describe.

2. They had one more question around the above concept. It’s like what’s the fastest way to list Kube-cluster configurations which is in different project. So Just get to know about above four commands.

3. You have changed specifications list in configuration file of Deployment Manager. You want to check file dependencies before actually applying it to a project. How can we do it?

Deployment Manager with –preview option

Run Deployment Manager update command and track it with Stack Driver.

4. What’s maximum range we can give to a subnet (CIDR NOTATION?)

Tip: We can’t use 0.0.0.0/0 for a subnet. Do you know how to calculate number of ips we can have from a CIDR range. Let’s see how we can find it.

Example 10.2.0.0/28

255.255.255.255 is 2^6\*2^6\*2^6\*2^6 … 2^32 (^ = power)

Subtract last value in CIDR from 32 which becomes 32-28 = 4 so we can have 2^4 16 IP Addresses.

Lesser the last value higher the range. Hope it helps.

5. Once you deploy SQL VM instance what are the minimal steps to login.

Options like:

Use RDP Client, Set windows username/password, Check firewall rule for 3389, Login

Use RDP Client, Set windows username/password, Login

6. How to make sure application running in a managed instance group has always available and project can have maximum one VM running at given point of time.

Options like:

Min one Max One

Min one Max 2

7. You have multiple individual projects owned by different employees and paying with their own credit cards. If you want to have a consolidated billing what can be done

Options:

Add all projects to Organization.

Create a new billing account.

8. How to manage SSH Keys for multiple VM instances in a project?

Options:

Have Pub-Key at project level.

Add pub key in metadata of each VM instance.

9. You have one project which has configured service accounts. Another project has VM instances running. How can we enable service account in first project to take a snapshot of VM running in second project?

Options:

Assign “storageAdmin” role to service-account.

Assign “computeEngine read/Wtire” tole to service account.

Generate SSH keys for the service account and add them to metadata of VM

10. How to make app engine to serve previous version if current version is broken?

Options:

Split-Traffic to older version 100%

Deploy old version.

11. Your current app-engine serving traffic to Asia Region and you want to serve US region as well. How to do?

Options:

Change region property for app-engine.

Create a new app-engine in the same project and make it to serve US traffic.

Create new project and while creating app-engine set the region to US and deploy the app there.

12. How to make sure that always 3 instances are stand by to serve burst traffic for an application running in app-engine.

Options:

Configure auto-scaling with min\_idle\_instaces set 3

13. You have one set of VMs which are destined to server production and another set for testing. They need to use different subnets but all the VMs have to communicate using private IPs. How can we establish this?

Options:

Use shared-VPC

Create single VPC with 2 subnets in different region with same CIDR range.

Create single VPC with 2 subnets in different region with different CIDR range.

14. You have application which is communicating to licensing server over IP 10.26.19.0. While migrating this application to cloud we don’t want to change the any code.

Options:

Reverse Static External IP with 10.26.19.0

Reverse Static Internal IP with 10.26.19.0

15. How to make sure roles from one project has been moved to another newly created one?

Options:

Gcloud copy rules making destination as new project.

16. How can we view audit logs with more details?

Options:

Activity Tab

Stack Driver

17. Your current VM is 2CPU 6 GB Memory. It’s going out of memory very frequently and you wanted to increase the memory to 8 GB

Options:

Stop the instance and change machine type to n2-standard-8

Increase the memory to 8GB

18. Giving secured access to objects in a bucket to users who do not have google accounts.

Options:

Singed Urls

19. You have web-site hosted in cloud-storage bucket. Currently when user clicks pdf files in browser its prompting a window to save the file to local. You want change the behaviour so that PDF files will open in new browser tab. How to achieve this?

Options:

Change meta-data

Make pdf files pubic

20. How can we automate provisioning of VM in an environment? All the specifications will be in a configuration file.

Options:

Deployment Manager

Managed Instance group with Template of specific configuration

21. You are running an application inside kube-Cluster and it uses password to connect backend database. What the effective way to store this data?

Options:

Use configmaps to map during runtime

Pass it as secrets variable in YAML

Mount the data as a volume to each node.

22. How can run a monitoring application which checks the health checks of each node in a Kube-Cluster.

Options:

Deploy as Deployment.

Deploy as StatefullSet

Deploy as DeamonSet

23. If you want to give application running inside compute-engine instance to write unstructured data to a particular bucket, What role has to be assigned to service-account which got mapped to instance?

Options:

Assign StorageAdmin Role

Assign StorageObjectAdmin Role or StorageObjectCreator Role

24. How to enable health checks for Load Balancer who is having managed instance group as backend service.

Tips:

We had around 3 questions revolving around this. Understand how health works. Is it at LB level or Instance group level.

Check what is initialDelay Param settings.

25. You wanted to move objects which are older than 90 days to cold line storage class and delete them after one year. How you will achieve this using Lifecycle Management?

Options:

Set Actions as SetStorageClass with 90 days condition and Delete with 275(365-90) days.

Set Actions as SetStorageClass with 90 days condition and Delete with 365 days.

26. Load-balancing Global with HTTPS and SSL Offload?

Options:

SSL Proxy

TCP Proxy

27. For time series application they will ask the GCP services can be used. Provided application flow diagram.

Options:

Cloud Pub/Sub🡪Cloud Dataflow 🡪Cloud DataStore 🡪Cloud Bigquery.

Cloud Pub/Sub🡪Cloud Dataflow 🡪Cloud Bigtable 🡪Cloud Bigquery.

Tip: Here we need to understand how to choose between Datastore and Bigtable.

28. How can we view IAM users and roles for a given project.

Options:

Glcoud iam roles list

Console option.

29. You have three users who wanted to be given Cloud DataStore Admin Role. What is the GCP recommended way to do it?

Options:

Give each user the required role.

Create a group and add these users to group, assign the role to the group

30. How to estimate the query cost for Cloud Bigquery?

Options:

Bq with –dry\_run option to get no of bytes read and use price calculator.

Bq with –dry\_run option to get no of bytes required and use price calculator.

31. How can analyse billing data ?

Options:

Use file export to CSV

Use Datasets in BigQuery

32. How to set up host project for StackDriver so that we can monitor multiple projects?

33. The way to make sure nodes running in Kube-Cluster available always and runs a stable version of Kube.

Options:

Use Auto-Upgrade

Use Auto-Repair