Dr. Elaina's GCP Challenge: Do you know your GCP?

Special Edition: Architect
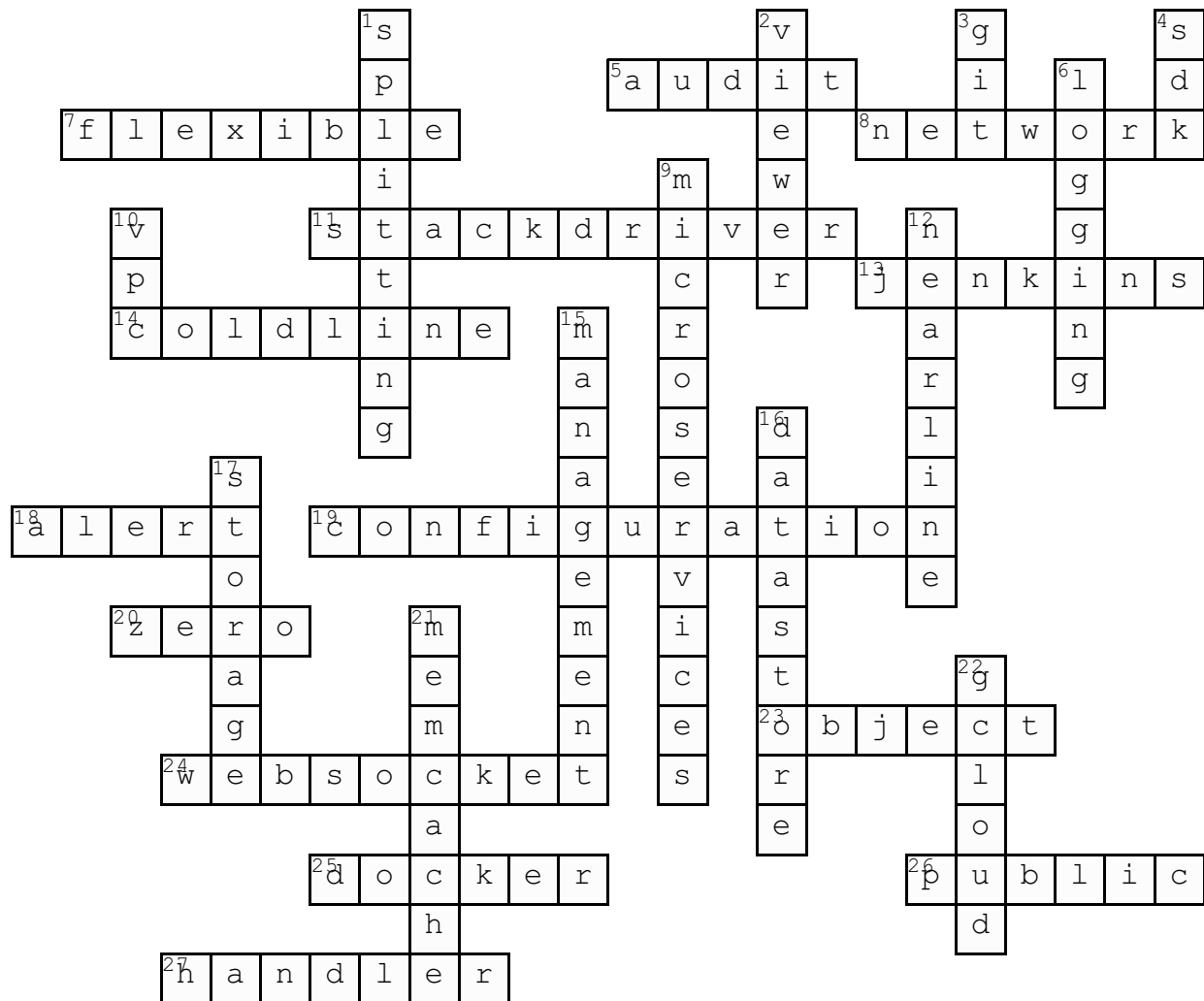
5 audit
7 flexible
8 network
11 stackdriver
13 jenkins
14 coldline
18 alert
19 configuration
20 zero
23 object
24 websocket
25 docker
26 public
27 handler

Across

5. Stackdriver Logging includes Request logs, app logs, shutdown logs, runtime logs, and _____ logs for App Engine apps. (**audit**)

7. App Engine environments include the standard and the _____ environment. (**flexible**)

8. When creating instances with Google Cloud Deployment manager those instances require at least one _____ interface. (**network**)

11. This Google tool gives you powerful application diagnostics to debug and monitor the health and performance of your app. (**stackdriver**)

13. This automation tool can be used to simultaneously and automatically deploy new code to every Google Container Engine cluster in your application. (**jenkins**)

14. This option in Cloud Storage is ideal for data you plan to read or modify at most once a year. (**coldline**)

18. When debugging microservice performance problems for your application you should set an _____ in Stackdriver Logging based on your log metric. (**alert**)

19. Removing the network interface in a Google Cloud Deployment manager deployment will create an invalid _____. (**configuration**)

20. Google App Engine lets you quickly get started with _____ configuration deployments. (**zero**)

23. Enabling this type of versioning in a website's static data files stored in Google Cloud storage is a seamless way to ensure the last known good version of content is always available. (**object**)

24. The HTTP(S) load balancer in GCP handles this traffic natively. (**websocket**)

25. Google Container Engine can run and manage _____ containers received from a deployment pipeline. (**docker**)

26. The global load balancer on GCP uses a _____ IP address. (**public**)

27. The App Engine app.yaml file describes which _____ scripts should be used for which URLs. (**handler**)

Down

1. When deploying risky but necessary changes to an application you should test new features by using traffic _____. (**splitting**)

2. To allow your team visibility of all projects in your organization you should give them Org and Project _____ roles in Google Cloud Identity and Access Management (Cloud IAM). (**viewer**)

3. Google Cloud Source Repositories provides this for its version controlled development environment. (**git**)

4. This Google Cloud product allows for provisioning and management of GCP resources including App Engine Flexible Environment. (**sdk**)

6. You can gain insight into events related to your App Engine flexible environment instances using the vm.events stream in _____. (**logging**)

9. Fragmenting a monolithic platform into _____ reduces the likelihood of error in rollouts for deployments of a web hosting platform on GCP. (**microservices**)

10. Large scale web applications on GCP see teams individually managing their own application resources while enabling communication between each other on a single address space using a shared _____. (**vpc**)

12. This option in Cloud Storage is ideal for data you plan to read or modify on average once a month. (**nearline**)

15. If data older than 5 years is not needed Cloud storage object lifecycle _____ policy can be set to delete it. (**management**)

16. The App Engine _____ supports a fast and efficient means of querying large data while providing a relatively flexible set of SQL-like features. (**datastore**)

17. To keep data in sync across 2 web clusters in 2 regions on GCP you can use this google cloud product. (**storage**)

21. An App Engine feature that provides in-memory, temporary storage. Ideal use cases include caching published data like blogs, news feeds and other content that is read but not modified. (**memcache**)

22. This tool provides the primary command-line interface to Google Cloud Platform. You can use this tool to perform many common platform tasks either from the command-line or in scripts and other automations. (**gcloud**)