CS 530
Lab Notebook Week 5
Max Huecksteadt

1. What roles are attached to the Compute Engine default service account?

   Editor

2. Would they be sufficient for the VM to perform its functions?

   Yes, it allows enough privileges to create resources based on the managed instance group (from the Google IAM documentation).

3. What permissions are given by the default access scope to Cloud Storage?

   Read only access

4. Would they be sufficient for the VM to perform its functions?

   No, no storage accounts or instances could be configured under this access scope.

5. What time did the latest earthquake happen?

   18:27:12 GMT

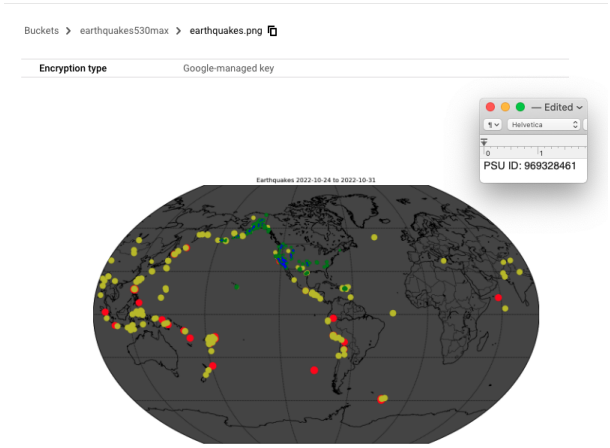
6. What was the magnitude (mag)?

   0.85

7. Where was the place it happened?

   38.7966652,-122.7210007, or near Whispering Pines, CA

8. Earthquakes .png image:



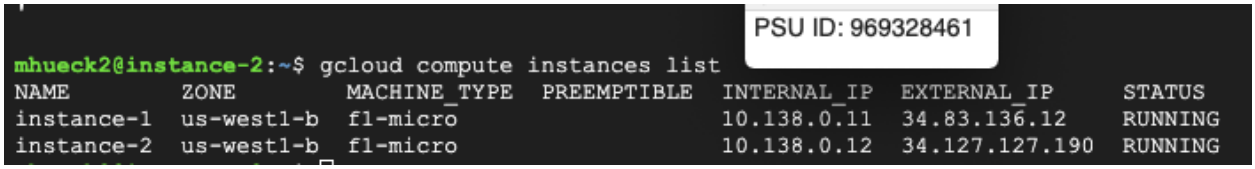
9. What is the exact error message that is returned?

   ERROR: (gcloud.compute.instances.list) Some requests did not succeed:

   - Required 'compute.instances.list' permission for 'projects/cloud-huecksteadt-mhueck2'

10. What role needs to be added to the service account's permissions for the VM to have access to list the project's Compute Engine instances?

    Compute Viewer



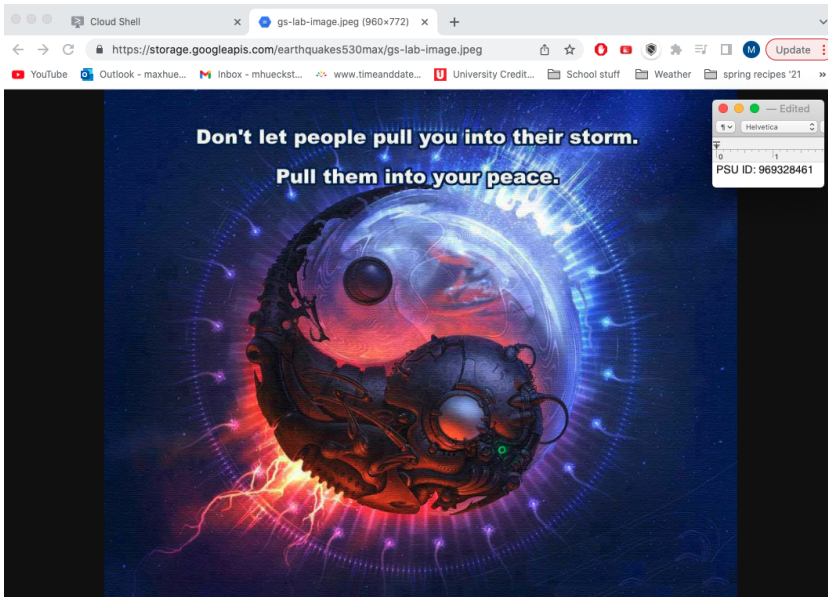
11. What is the exact error message that is returned?

    AccessDeniedException: 403 gcs-lab@cloud-huecksteadt-mhueck2.iam.gserviceaccount.com does not have storage.objects.create access to the Google Cloud Storage object.

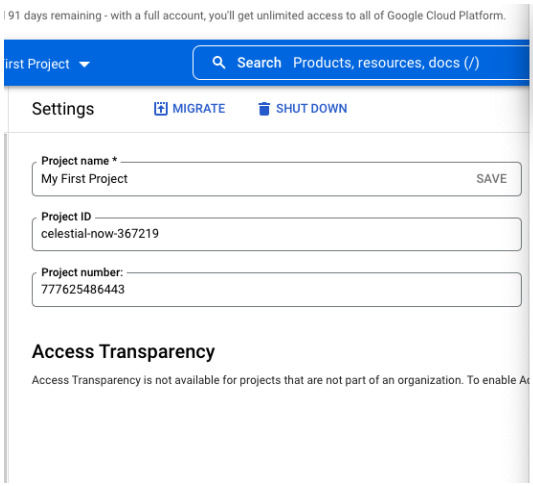
12. What role needs to be added to the service account's permissions for the VM to have access to add an object to the storage bucket?

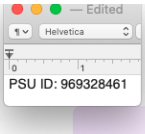
    Storage object creator

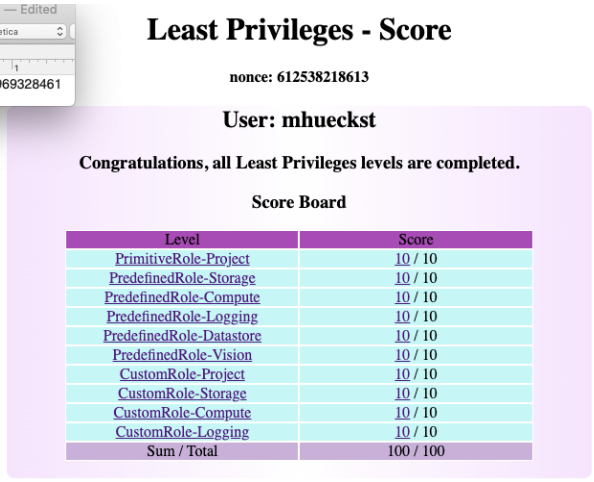
13. Image from googleAPIs



14. Least privileges ctf:

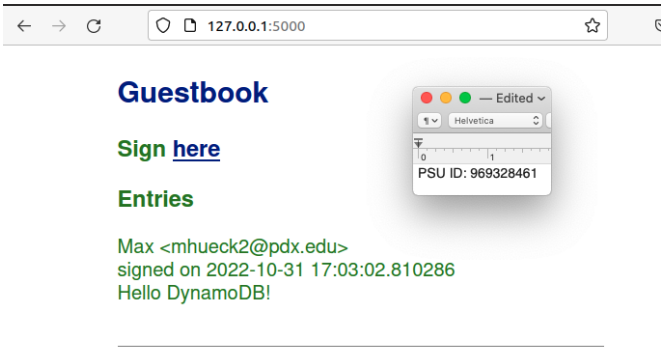




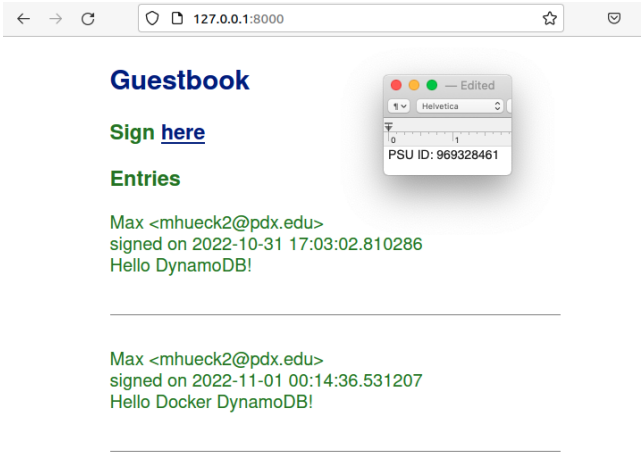


5.2 –

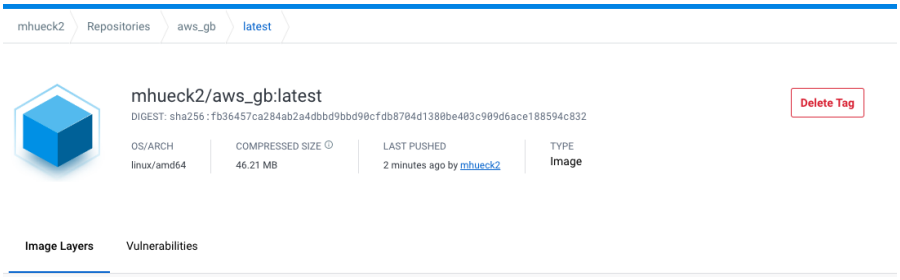
1.


127.0.0.1:5000
Guestbook
Sign here
Entries
Max <mhueck2@pdx.edu>
signed on 2022-10-31 17:03:02.810286
Hello DynamoDB!
— Edited
Helvetica
PSU ID: 969328461

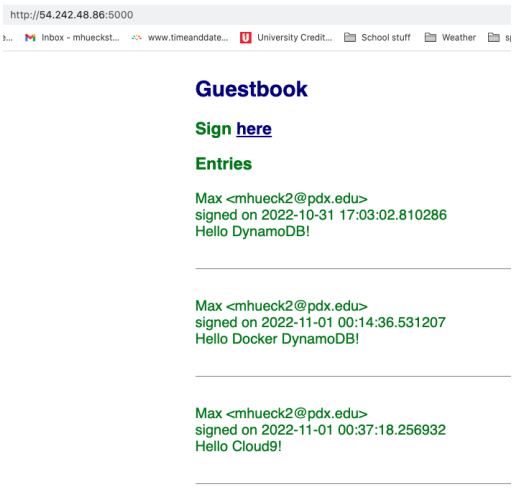
2.


127.0.0.1:8000
Guestbook
Sign here
Entries
Max <mhueck2@pdx.edu>
signed on 2022-10-31 17:03:02.810286
Hello DynamoDB!
Max <mhueck2@pdx.edu>
signed on 2022-11-01 00:14:36.531207
Hello Docker DynamoDB!
— Edited
Helvetica
PSU ID: 969328461

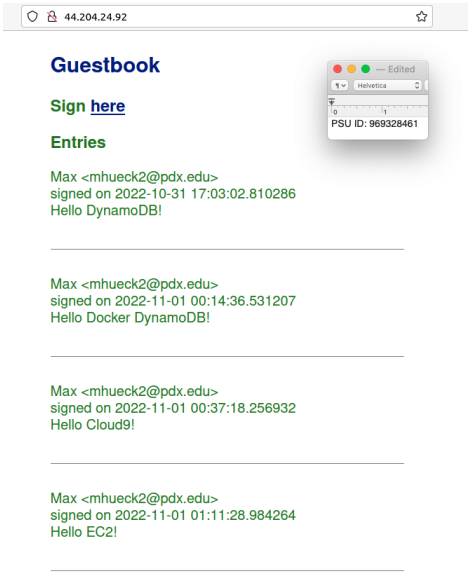
3.


mhueck2
Repositories
aws_gb
latest
mhueck2/aws_gb:latest
DIGEST: sha256:fb36457ca284ab2a4dbbd9bbd90cfdb8704d1380be403c989d6ace188594c832
OS/ARCH
linux/amd64
COMPRESSED SIZE
46.21 MB
LAST PUSHED
2 minutes ago by mhueck2
TYPE
Image
Delete Tag
Image Layers
Vulnerabilities

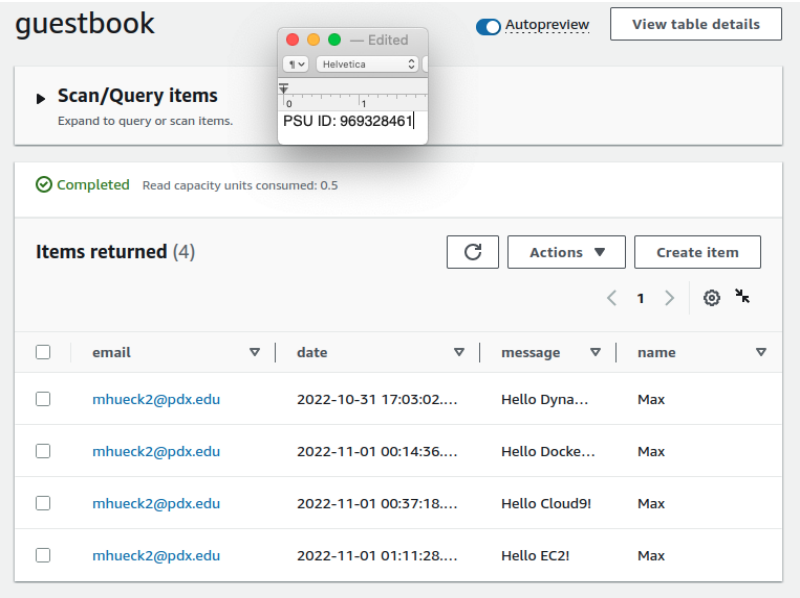
4.


http://54.242.48.86:5000
Inbox - mhueckst...
www.timeanddate...
University Credit...
School stuff
Weather
Guestbook
Sign here
Entries
Max <mhueck2@pdx.edu>
signed on 2022-10-31 17:03:02.810286
Hello DynamoDB!
Max <mhueck2@pdx.edu>
signed on 2022-11-01 00:14:36.531207
Hello Docker DynamoDB!
Max <mhueck2@pdx.edu>
signed on 2022-11-01 00:37:18.256932
Hello Cloud9!

5.


44.204.24.92
Guestbook
Sign here
Entries
Edited
Helvetica
PSU ID: 969328461
Max <mhueck2@pdx.edu>
signed on 2022-10-31 17:03:02.810286
Hello DynamoDB!
Max <mhueck2@pdx.edu>
signed on 2022-11-01 00:14:36.531207
Hello Docker DynamoDB!
Max <mhueck2@pdx.edu>
signed on 2022-11-01 00:37:18.256932
Hello Cloud9!
Max <mhueck2@pdx.edu>
signed on 2022-11-01 01:11:28.984264
Hello EC2!

6.

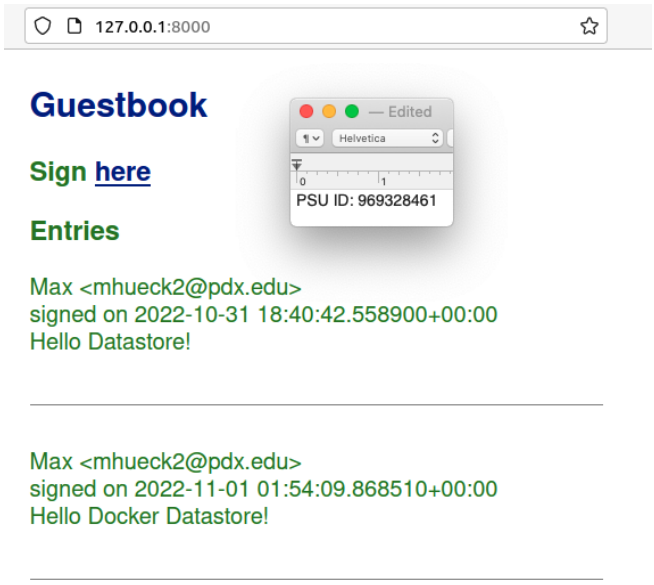

guestbook
Autopreview
View table details
— Edited
Helvetica
PSU ID: 969328461
Scan/Query items
Expand to query or scan items.
Completed
Read capacity units consumed: 0.5
Items returned (4)
Actions
Create item
email
date
message
name
mhueck2@pdx.edu
2022-10-31 17:03:02....
Hello Dyna...
Max
mhueck2@pdx.edu
2022-11-01 00:14:36....
Hello Docke...
Max
mhueck2@pdx.edu
2022-11-01 00:37:18....
Hello Cloud9!
Max
mhueck2@pdx.edu
2022-11-01 01:11:28....
Hello EC2!
Max

5.2g:

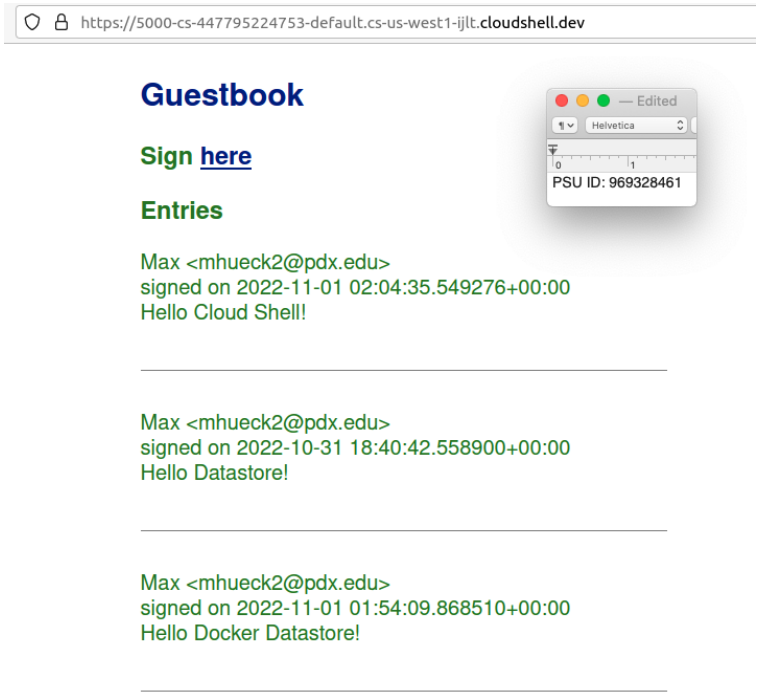
1.

127.0.0.1:5000
Guestbook
Sign here
Entries
— Edited
Helvetica
PSU ID: 969328461
Max <mhueck2@pdx.edu>
signed on 2022-10-31 18:40:42.558900+00:00
Hello Datastore!

2.


127.0.0.1:8000
Guestbook
Sign here
Entries
— Edited
Helvetica
PSU ID: 969328461
Max <mhueck2@pdx.edu>
signed on 2022-10-31 18:40:42.558900+00:00
Hello Datastore!
Max <mhueck2@pdx.edu>
signed on 2022-11-01 01:54:09.868510+00:00
Hello Docker Datastore!

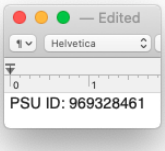
3.


https://5000-cs-447795224753-default.cs-us-west1-ijlt.cloudshell.dev
Guestbook
Sign here
Entries
— Edited
Helvetica
PSU ID: 969328461
Max <mhueck2@pdx.edu>
signed on 2022-11-01 02:04:35.549276+00:00
Hello Cloud Shell!
Max <mhueck2@pdx.edu>
signed on 2022-10-31 18:40:42.558900+00:00
Hello Datastore!
Max <mhueck2@pdx.edu>
signed on 2022-11-01 01:54:09.868510+00:00
Hello Docker Datastore!

4.

34.83.136.12

Guestbook



Sign here

Entries

Max <mhueck2@pdx.edu>
signed on 2022-11-01 02:04:35.549276+00:00
Hello Cloud Shell!

Max <mhueck2@pdx.edu>
signed on 2022-10-31 18:40:42.558900+00:00
Hello Datastore!

Max <mhueck2@pdx.edu>
signed on 2022-11-01 01:54:09.868510+00:00
Hello Docker Datastore!

Max <mhueck2@pdx.edu>
signed on 2022-11-01 02:14:28.673399+00:00
Hello Compute Engine!

5.

Query results

Name/ID	date	email	message	name
id=5632499082330112	October 31, 2022 at 7:04:35 PM UTC-7	mhueck2@pdx.edu	Hello Cloud Shell!	Max
id=5634161670881280	October 31, 2022 at 11:40:42 AM UTC-7	mhueck2@pdx.edu	Hello Datastore!	Max
id=5644004762845184	October 31, 2022 at 6:54:09 PM UTC-7	mhueck2@pdx.edu	Hello Docker Datastore!	Max
id=5710353417633792	October 31, 2022 at 7:14:28 PM UTC-7	mhueck2@pdx.edu	Hello Compute Engine!	Max