

Lab Notebook 4 — marvleon

5.1 Storage, IAM	2
5.1.2	2
5.1.4	2
5.1.5	3
5.1.9	3
5.1.10	4
5.1.13	5
5.2 DynamoDB Guestbook	6
5.2.5	6
5.2.7	7
5.2.8	7
5.2.11	8
5.2.15	9
5.2.16	10
5.2g Cloud Datastore Guestbook	10
5.2.7	10
5.2.9	11
5.2.10	11
5.2.12	12
5.2.15	13
5.2.16	13

5.1 Storage, IAM

5.1.2

What role is attached to the Compute Engine default service account?

Editor

Would it be sufficient for the VM to perform its functions (i.e. creating buckets and reading/writing objects in them)?

Yes

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

Read-only access to storage and service management, write access to Stackdriver logging and monitoring, read+write access to service control.

Would they be sufficient for the VM to perform its functions (i.e. creating buckets and reading/writing objects in them)?

No

What settings are possible for setting the VM's access to the Storage API?

Read Only, Write Only, Read Write, FULL

5.1.4

What time did the latest earthquake happen?

02:49:24

What was the magnitude (mag)?

1.3

Where was the place it happened?

0 km N of The Geysers, CA

5.1.5

cloud-Leon-marvleon

storage

Search

Object details

Buckets > marvleonlab5bucket > earthquakes.png

Overview

Type	image/png
Size	322.2 KB
Created	Oct 30, 2023, 8:04:51 PM
Last modified	Oct 30, 2023, 8:04:51 PM
Storage class	Standard
Custom time	—
Public URL	Not applicable
Authenticated URL	https://storage.cloud.google.com/marvleonlab5bucket/earthquakes.png
gsutil URI	gs://marvleonlab5bucket/earthquakes.png

Permissions

Public access	Not public
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Protection

Version history	—
Retention policy	None
Hold status	None
Encryption type	Google-managed

Earthquakes 2023-10-24 to 2023-10-31

5.1.9

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-leon-marvleon'

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 Role

```
marvleon@gcs-lab-vm:~$ gcloud compute instances list
NAME                                ZONE                MACHINE_TYPE  PREEMPTIBLE  INTERNAL_IP  EXTERNAL_IP    STATUS
vm-europe-west1-d                  europe-west1-d      e2-medium    false        10.132.0.2   35.233.198.138  TERMINATED
cos-gb                             us-west1-a          e2-micro     false        10.138.0.7   34.83.55.45     TERMINATED
docker-gb                          us-west1-a          e2-micro     false        10.138.0.6   34.83.55.45     TERMINATED
gcs-lab-vm                         us-west1-a          e2-medium    false        10.138.0.9   35.233.198.138  RUNNING
nginx-gb                           us-west1-a          e2-medium    false        10.138.0.5   34.83.55.45     TERMINATED
usgs                               us-west1-a          e2-medium    false        10.138.0.8   34.83.55.45     RUNNING
course-vm                         us-west1-b          e2-medium    false        10.138.0.2   34.83.55.45     TERMINATED
vm-us-west1-b                     us-west1-b          e2-medium    false        10.138.0.3   34.83.55.45     TERMINATED
vm-us-east1-b                     us-east1-b          e2-medium    false        10.142.0.2   34.83.55.45     TERMINATED
vm-australia-southeast1-b         australia-southeast1-b e2-medium    false        10.152.0.2   34.83.55.45     TERMINATED
marvleon@gcs-lab-vm:~$
```

5.1.10

What is the exact error message that is returned?

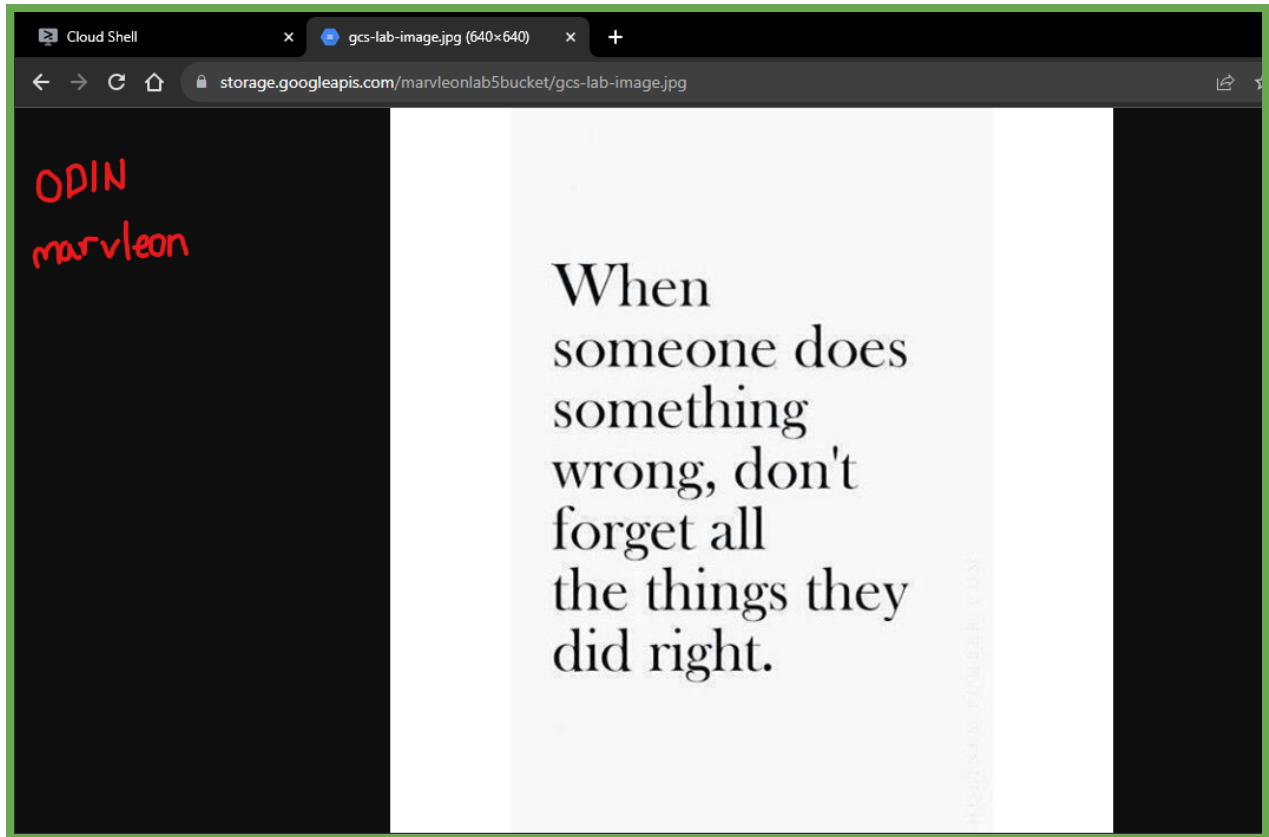
AccessDeniedException: 403 gcs-lab@cloud-leon-marvleon.iam.gserviceaccount.com does not have storage.objects.create access to the Google Cloud Storage object. Permission 'storage.objects.create' denied on resource (or it may not exist).

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

Storage Object Creator

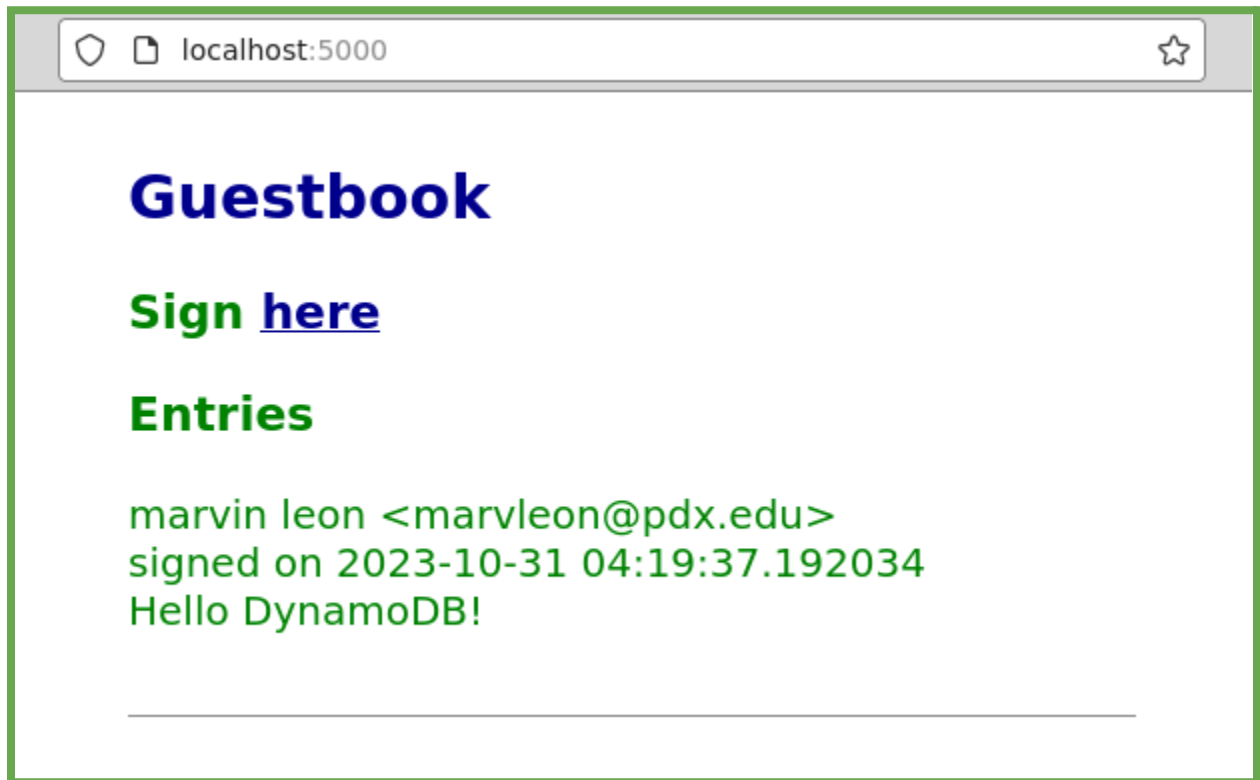
```
marvleon@gcs-lab-vm:~$ gsutil cp moonquakes.png gs://marvleonlab5bucket/
Copying file:///moonquakes.png [Content-Type=image/png]...
/ [1 files][322.2 KiB/322.2 KiB]
Operation completed over 1 objects/322.2 KiB.
marvleon@gcs-lab-vm:~$
```

5.1.13

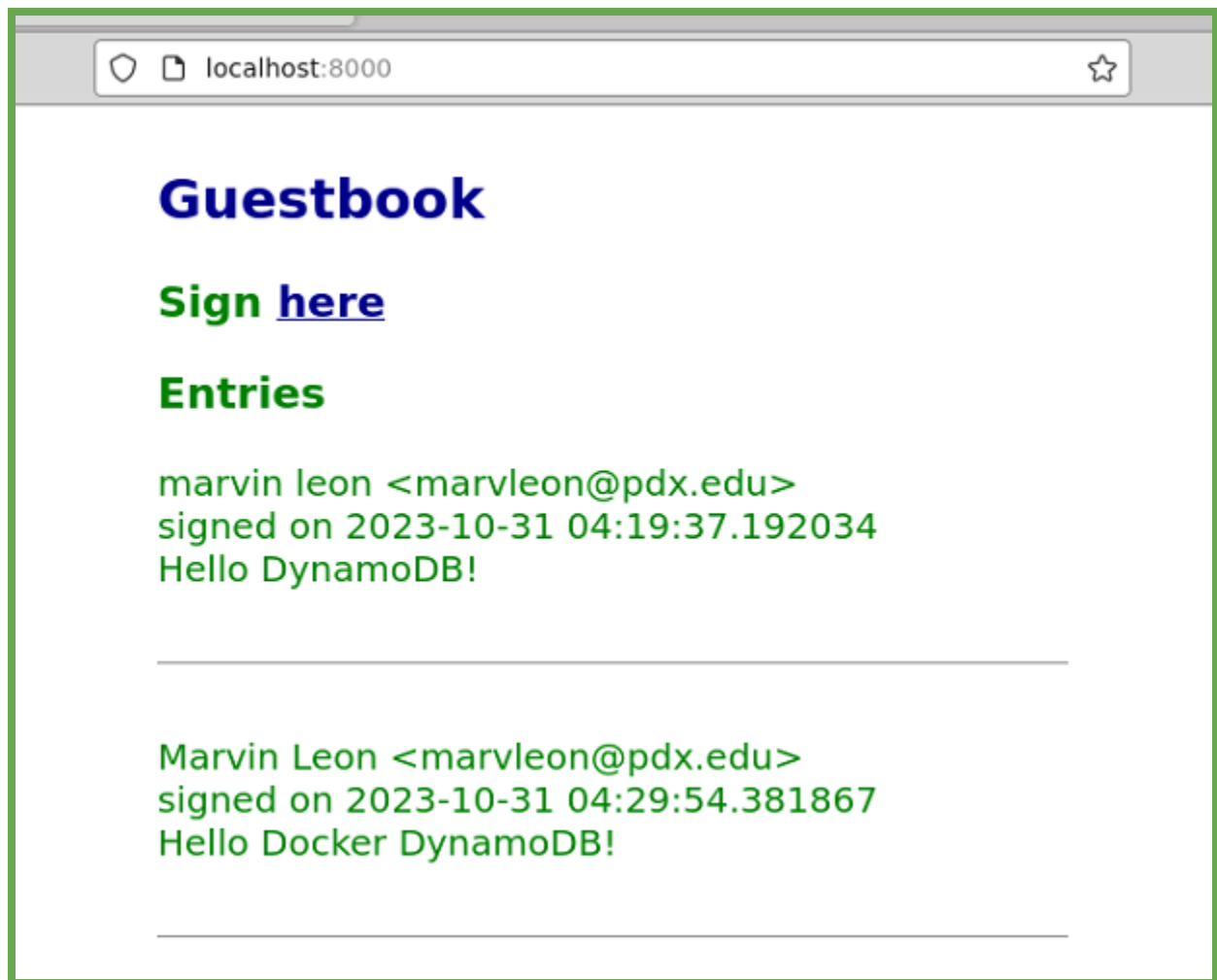


5.2 DynamoDB Guestbook

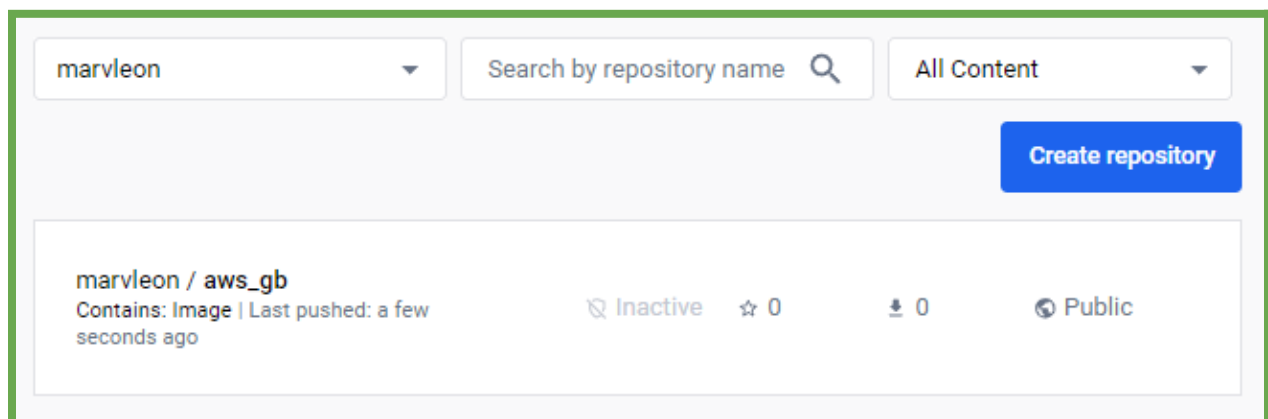
5.2.5

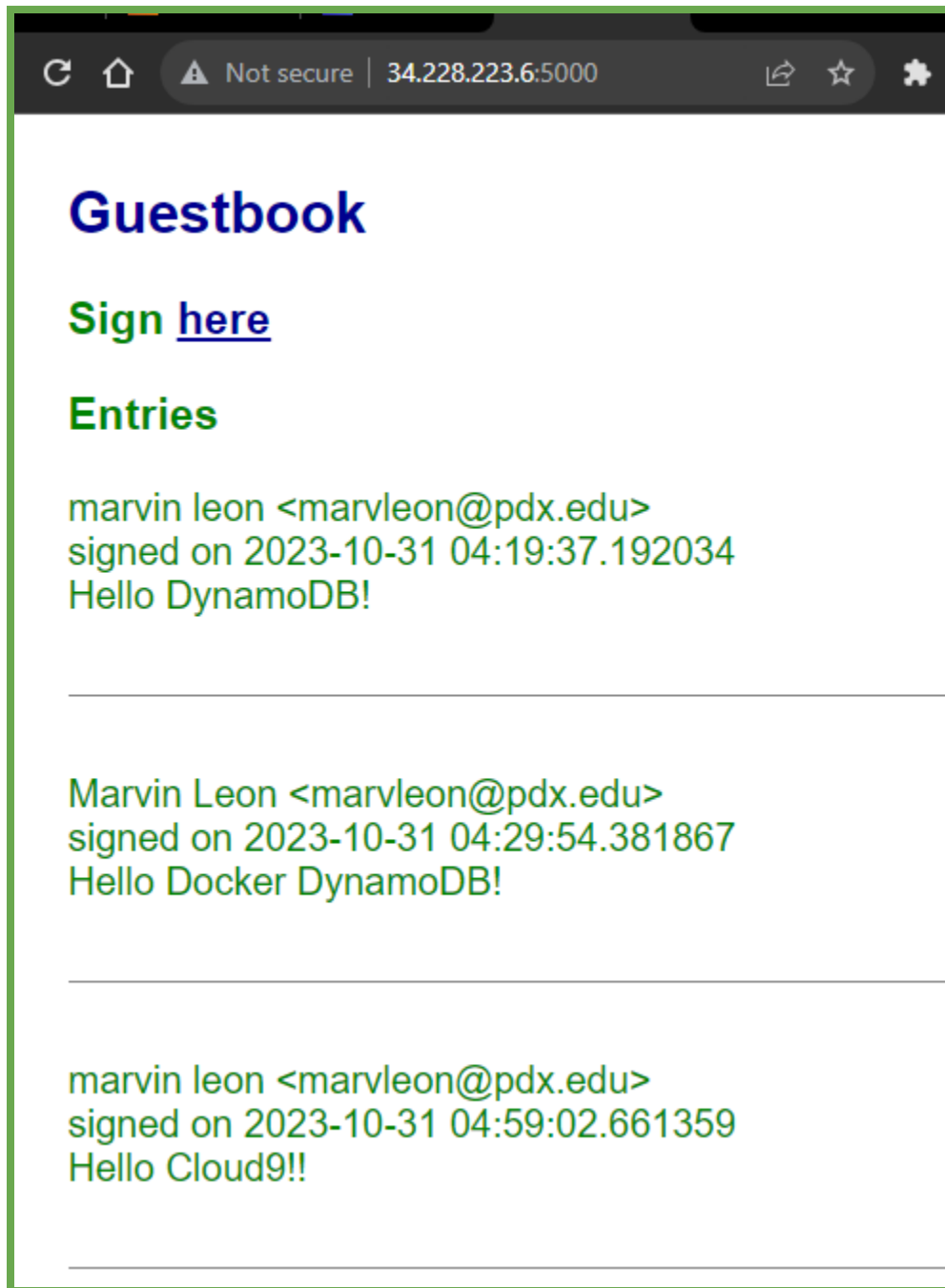


5.2.7

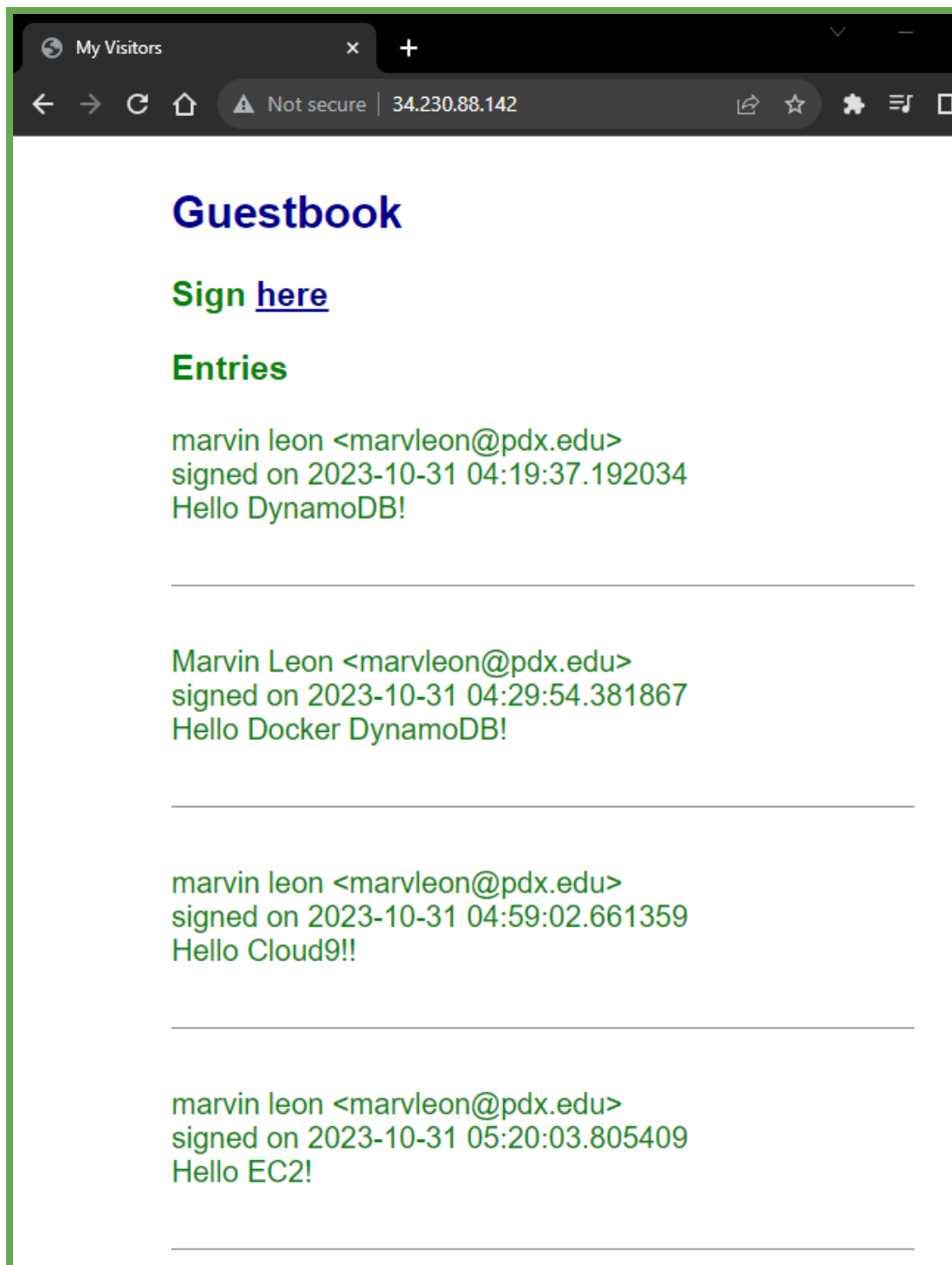


5.2.8





5.2.15

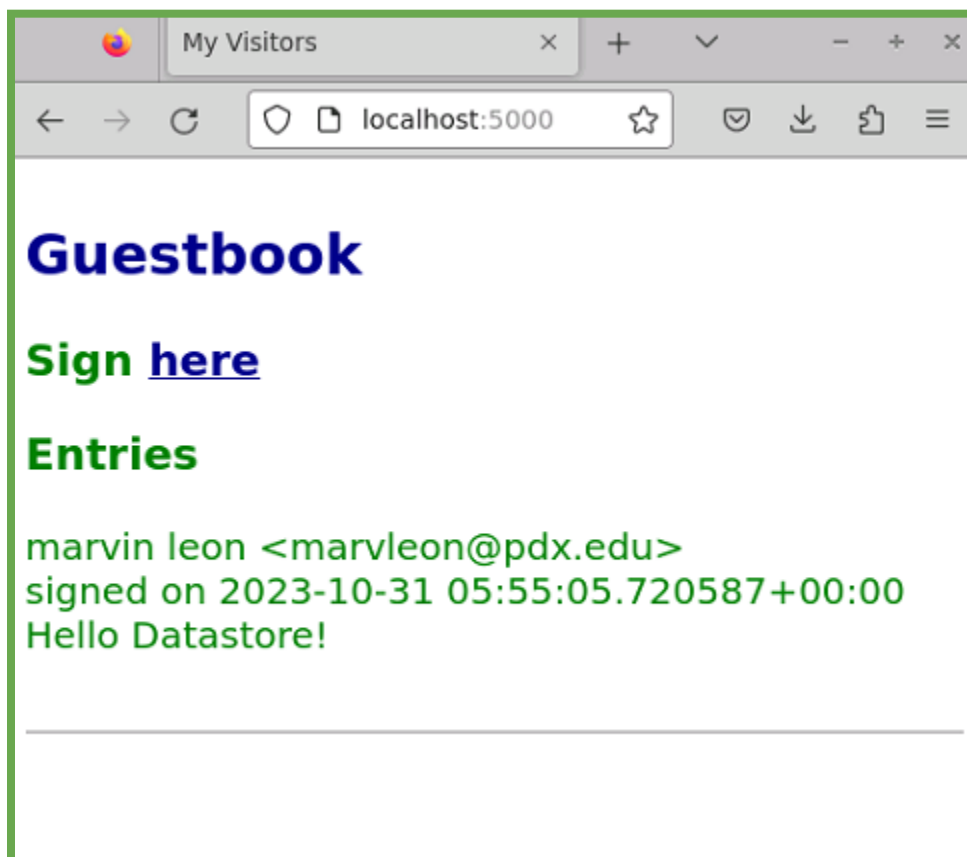


5.2.16

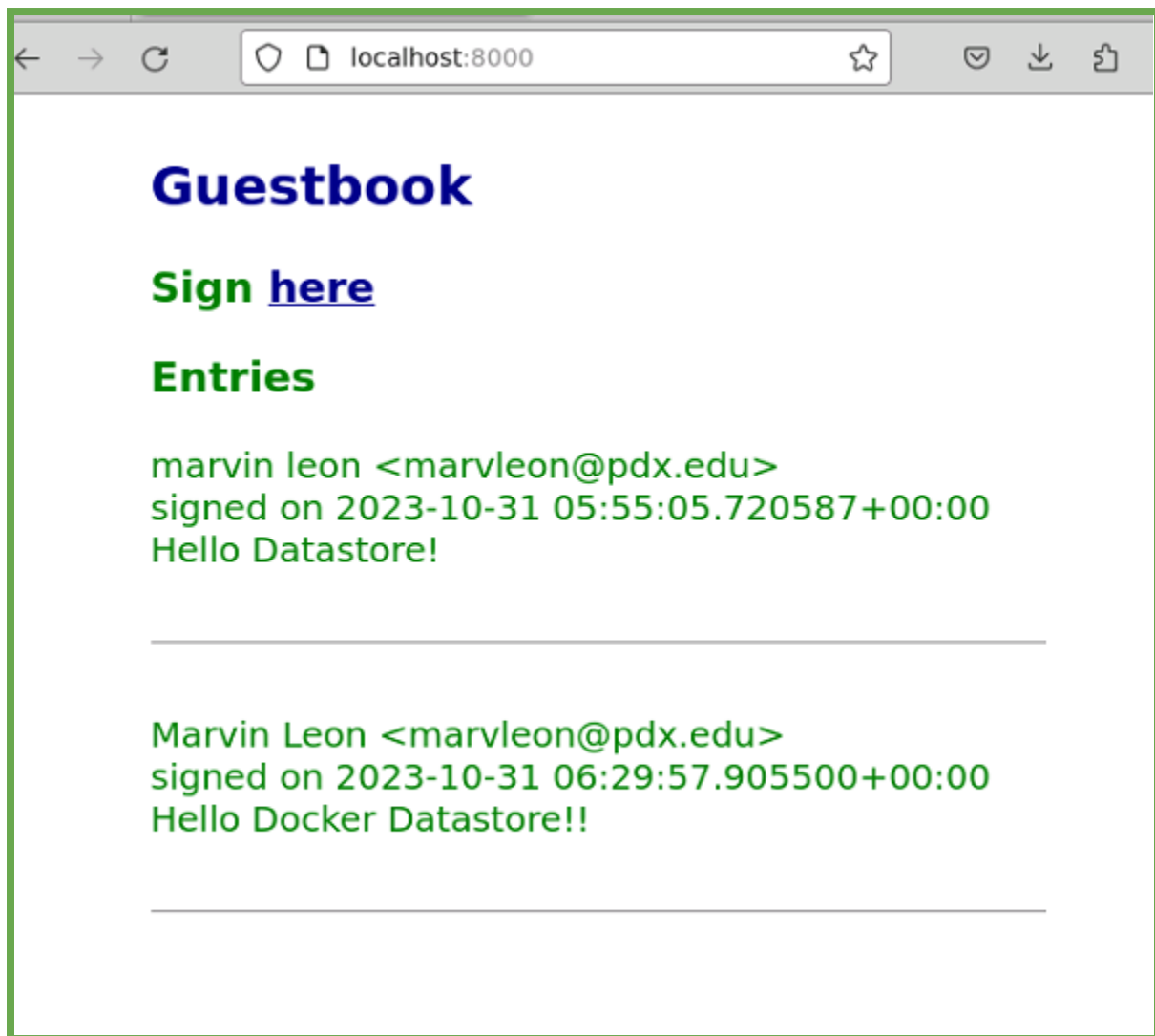
<input type="checkbox"/>	email (String) ▾	date (String) ▾	message ▾	name ▾
<input type="checkbox"/>	marvleon@pdx.edu	2023-10-31 04:19:37....	Hello Dyna...	marvin leon
<input type="checkbox"/>	marvleon@pdx.edu	2023-10-31 04:29:54....	Hello Docke...	Marvin Leon
<input type="checkbox"/>	marvleon@pdx.edu	2023-10-31 04:59:02....	Hello Cloud9!!	marvin leon
<input type="checkbox"/>	marvleon@pdx.edu	2023-10-31 05:20:03....	Hello EC2!	marvin leon

5.2g Cloud Datastore Guestbook

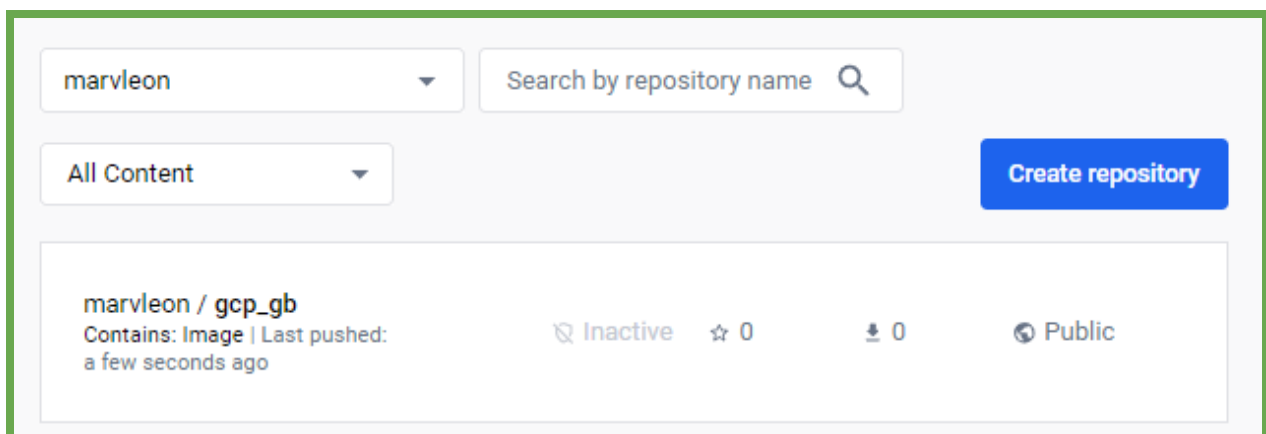
5.2.7



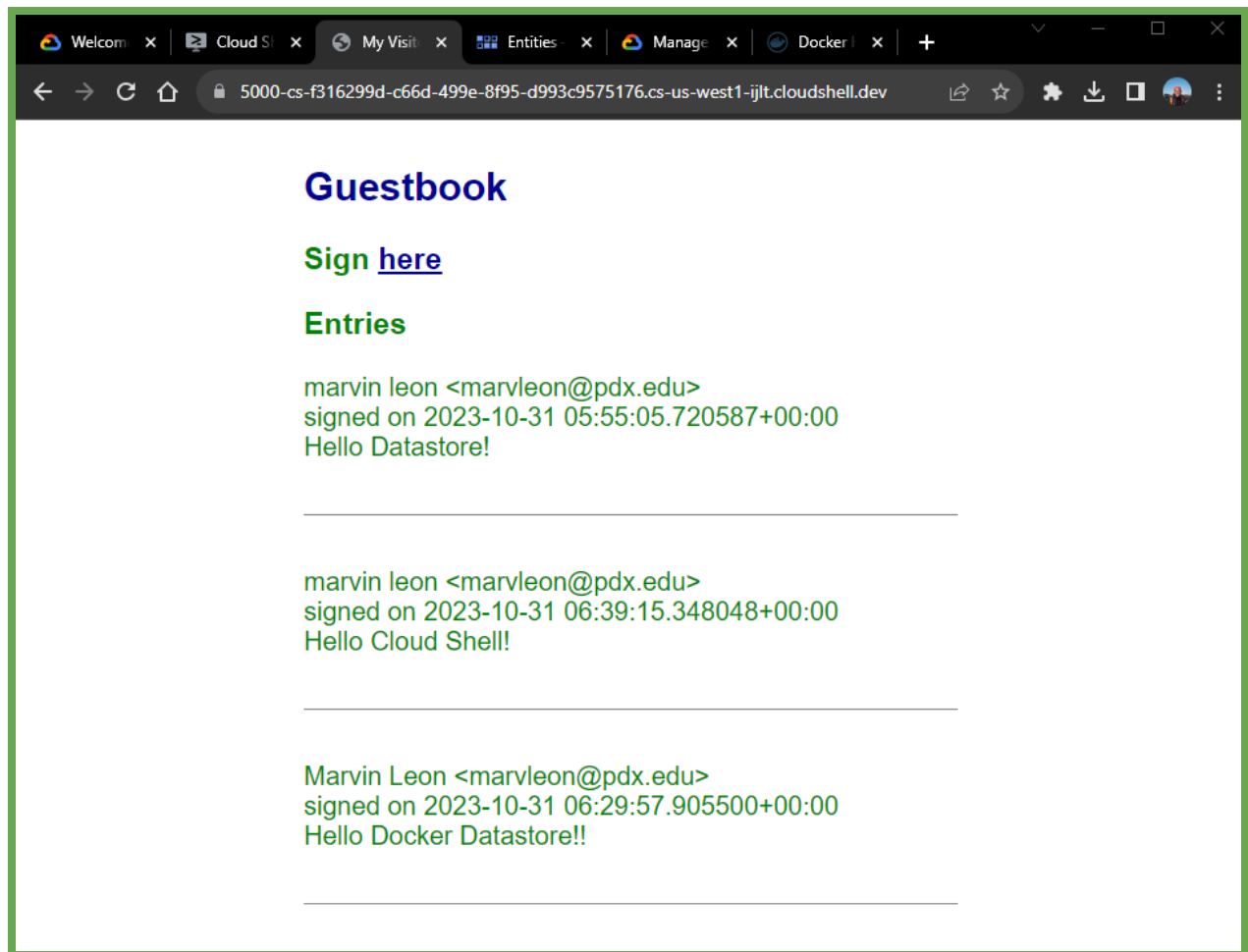
5.2.9



5.2.10



5.2.12



5.2.15

← → ↻ 🏠 ⚠ Not secure | 34.83.55.45 🔗 ☆ ⚙ 🗄 👤 ⋮

Guestbook

Sign [here](#)

Entries

marvin leon <marvleon@pdx.edu>
signed on 2023-10-31 06:46:42.377145+00:00
Hello Compute Engine!

marvin leon <marvleon@pdx.edu>
signed on 2023-10-31 05:55:05.720587+00:00
Hello Datastore!

marvin leon <marvleon@pdx.edu>
signed on 2023-10-31 06:39:15.348048+00:00
Hello Cloud Shell!

5.2.16

Query results						⋮
<input type="checkbox"/>	Name/ID ↑	date	email	message	name	
<input type="checkbox"/>	id=5632499082330112	October 30, 2023 at 11:46:42.377 PM UTC-7	marvleon@pdx.edu	Hello Compute Engine!	marvin leon	
<input type="checkbox"/>	id=5634161670881280	October 30, 2023 at 10:55:05.720 PM UTC-7	marvleon@pdx.edu	Hello Datastore!	marvin leon	
<input type="checkbox"/>	id=5644004762845184	October 30, 2023 at 11:39:15.348 PM UTC-7	marvleon@pdx.edu	Hello Cloud Shell!	marvin leon	
<input type="checkbox"/>	id=5700433016258560	October 30, 2023 at 11:29:57.905 PM UTC-7	marvleon@pdx.edu	Hello Docker Datastore!!	Marvin Leon	