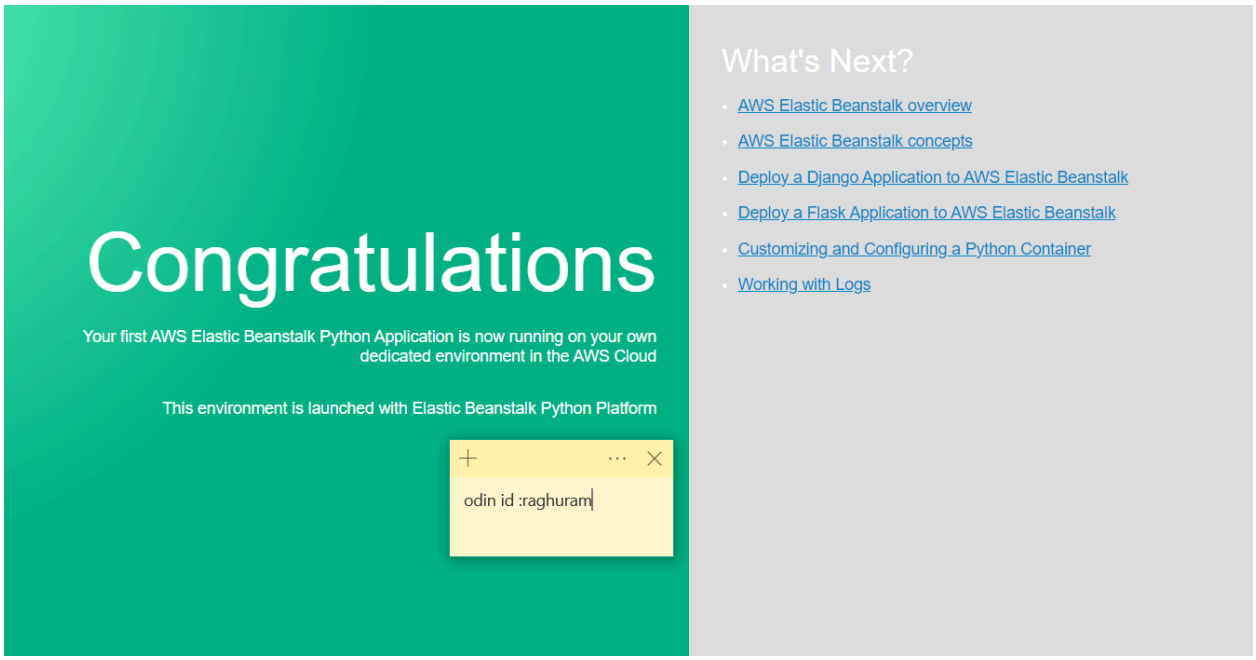
06.1a: EB Guestbook

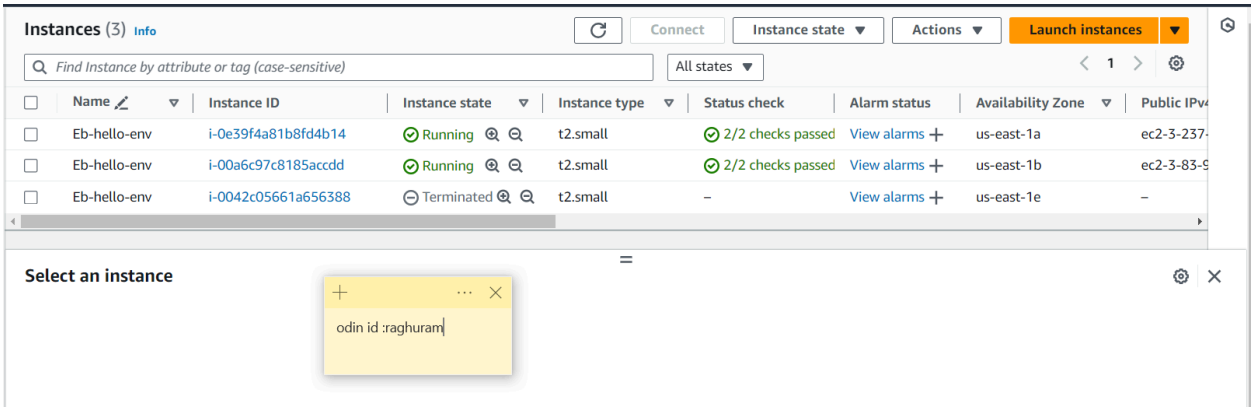
3. Running the application

- Take a screenshot showing it has been brought up successfully



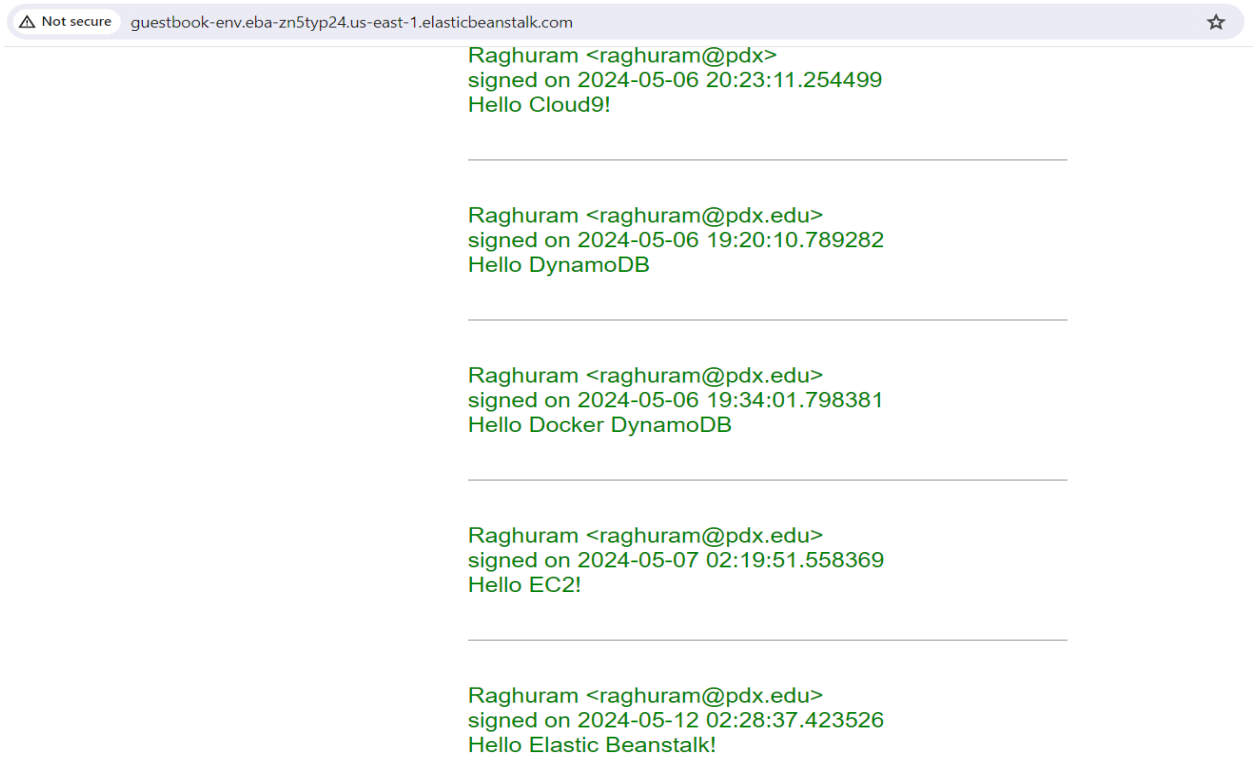
4. Handling failures seamlessly

- Take a screenshot of the replacement VM being started.

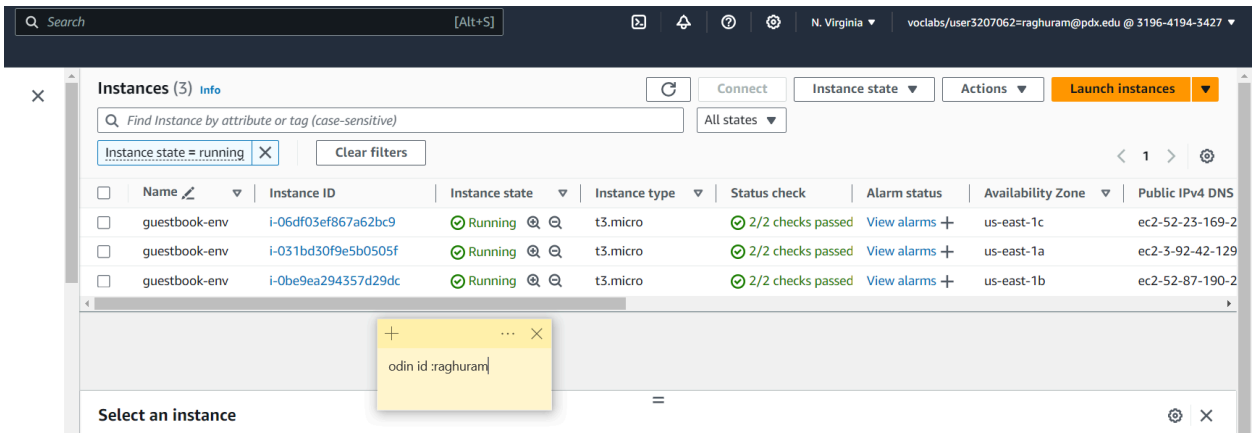


7. Deploying the Guestbook

- Take a screenshot of the Guestbook including the URL with the entry in it.



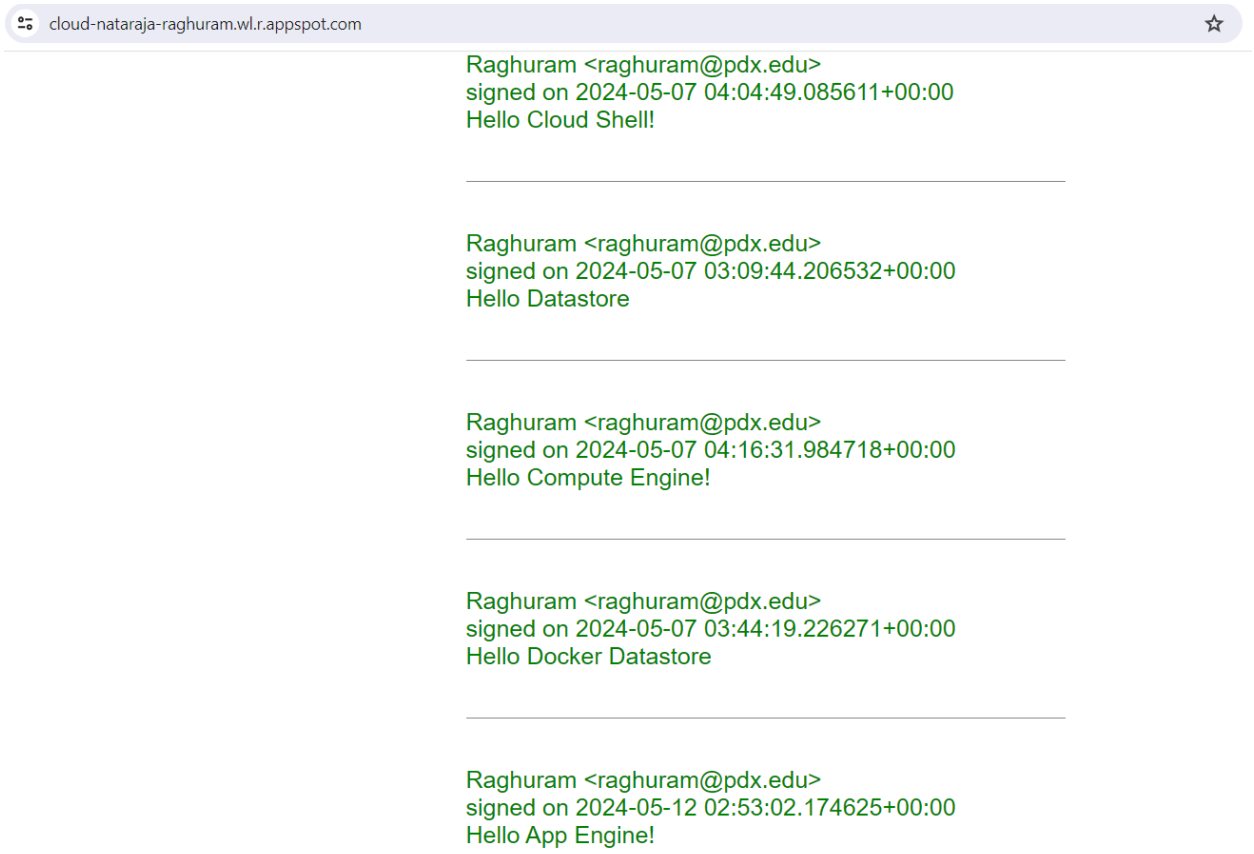
- Take a screenshot of them.



06.1g: App Engine Guestbook

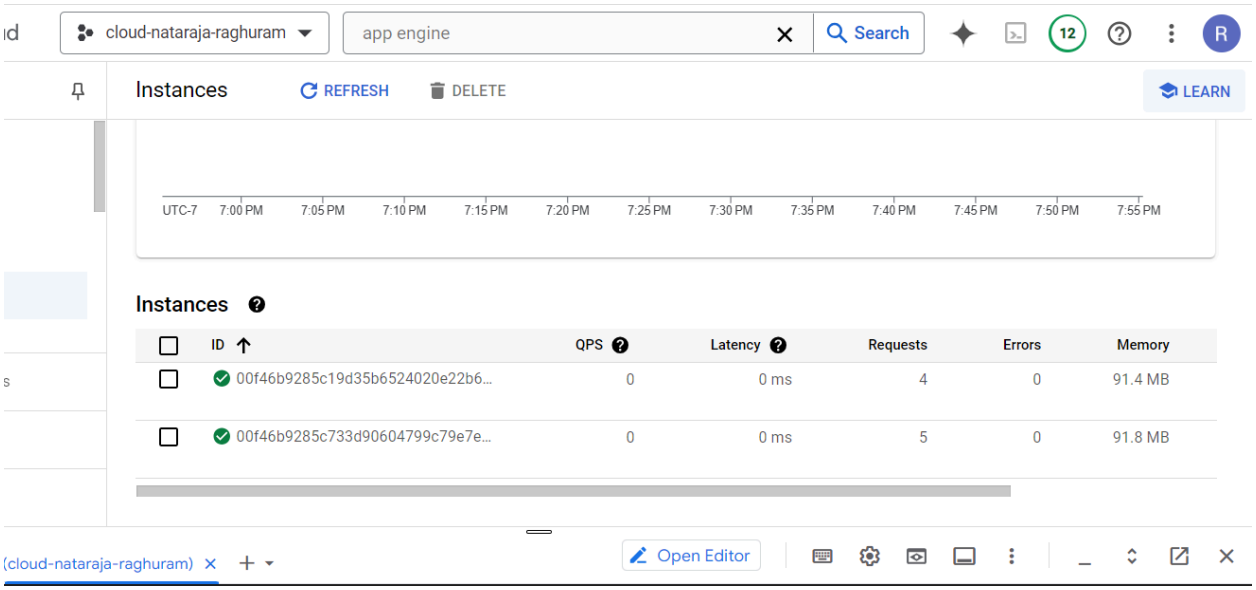
3. Deploying the Guestbook

- Take a screenshot of the output that includes the URL in the address bar for your lab notebook.

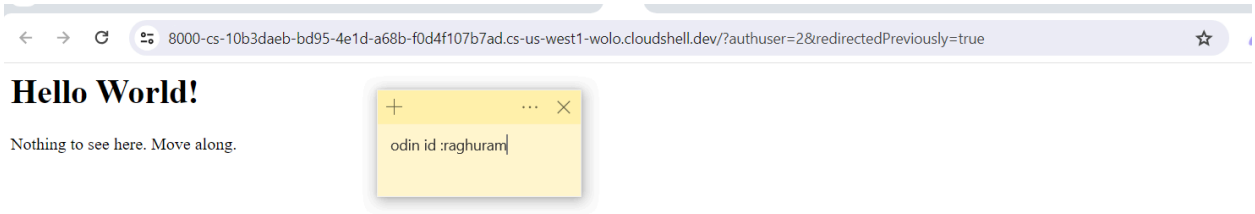


4. Handling failures seamlessly

- Take a screenshot of them.

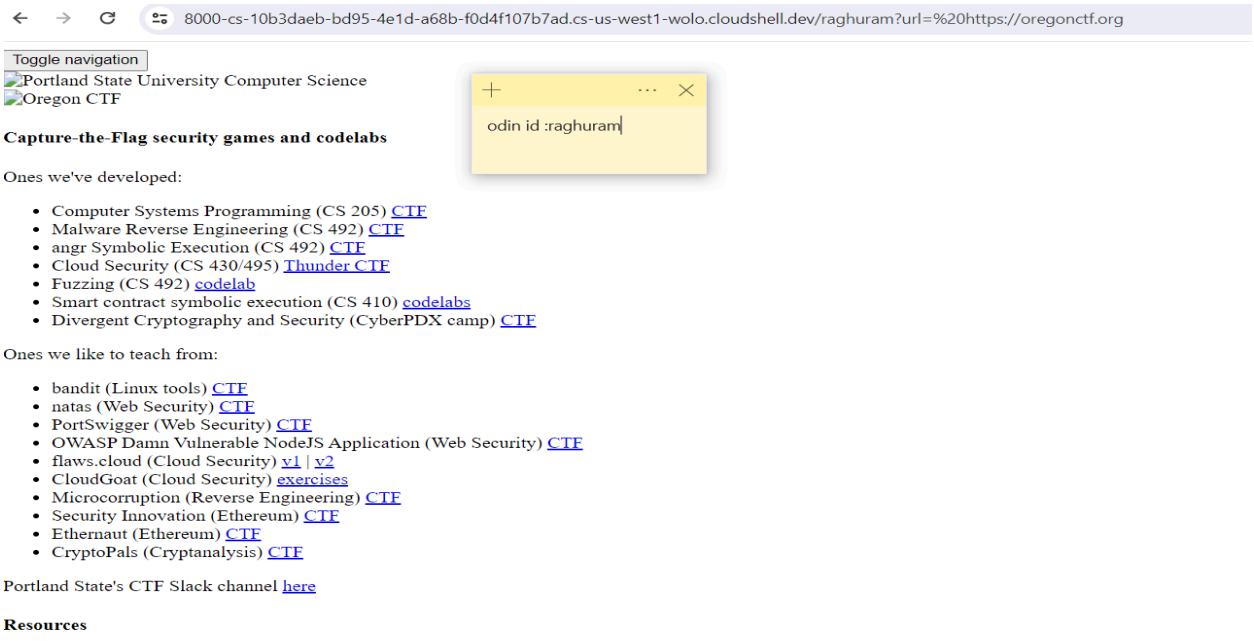


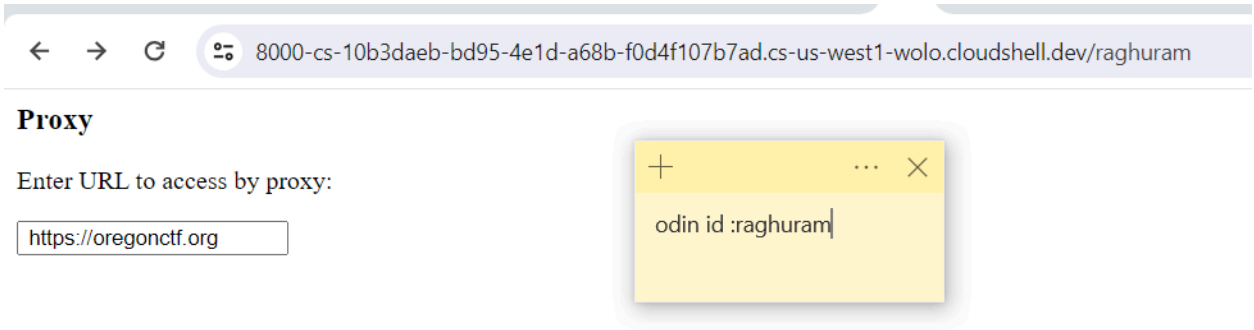
06.2g: Cloud Run, Secret Manager (Web proxy)



8. Setup secret proxy

- Take a screenshot of the proxy and its results including the URL containing your OdinID



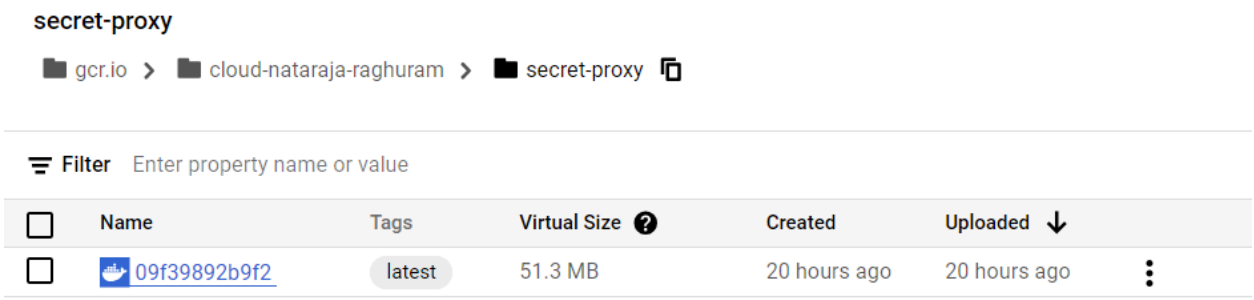


- What is the security advantage of passing in the secret proxy route as an environment variable?

using environment variables for passing sensitive information like secret proxy routes enhances the security posture of your application by reducing exposure, enabling dynamic configuration, and aligning with security best practices.

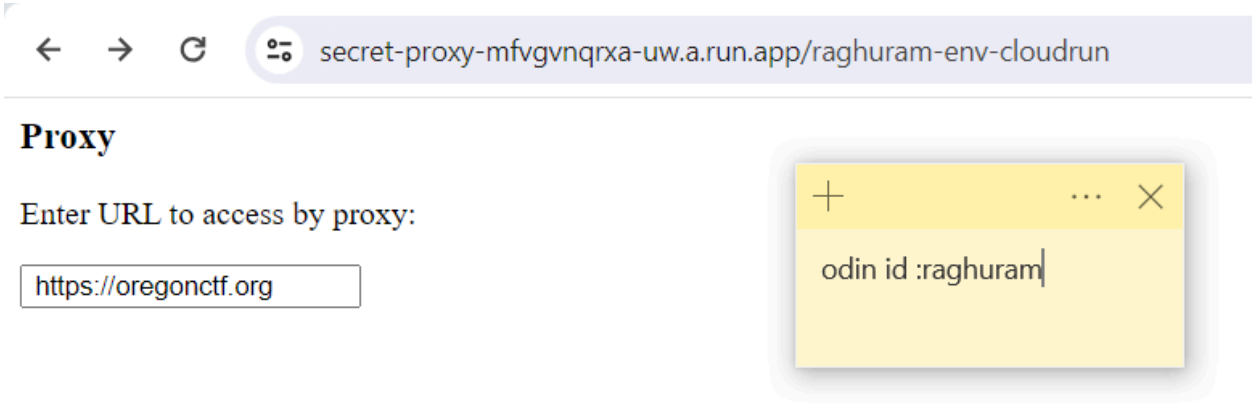
9. Cloud Build and Container Registry

- Take a screenshot of the image in the registry that shows the size of the container for your lab notebook.

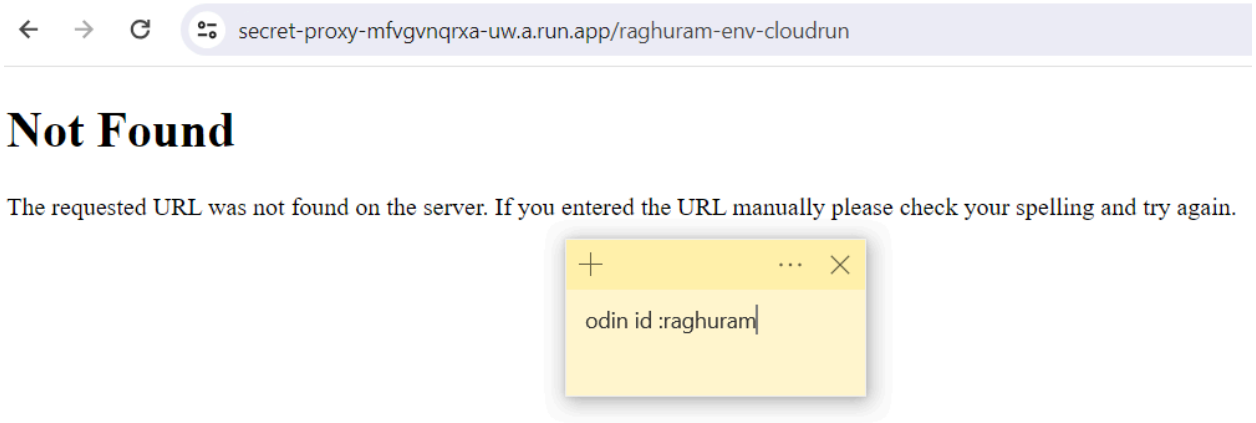


10. Deploy to Cloud Run

- Take a screenshot of it that includes the proxy URL for your lab notebook.

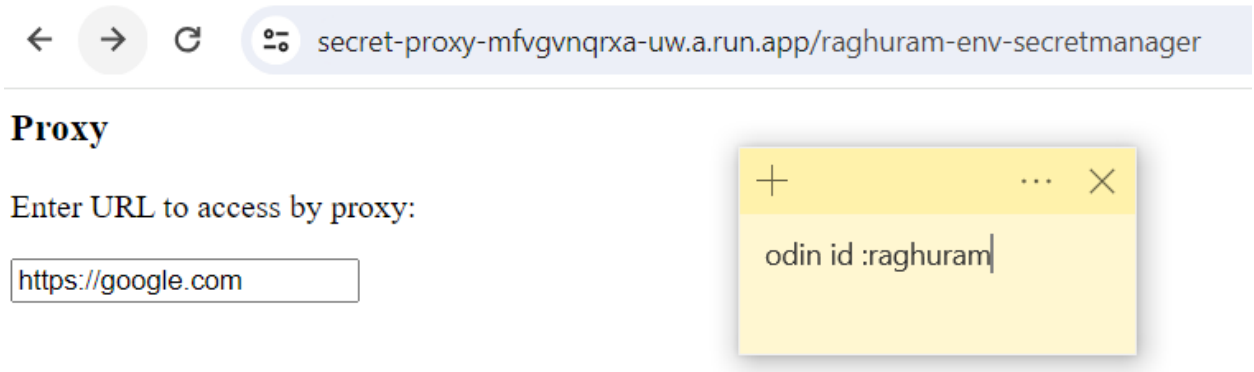


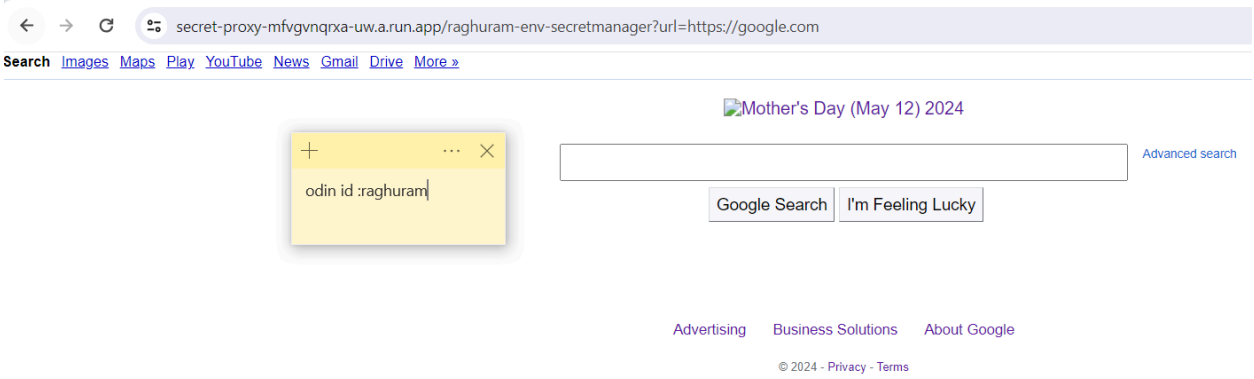
- Take a screenshot of the error page that includes the proxy URL for your lab notebook.



12. Deploy to Cloud Run with Secret Manager

- Take a screenshot of it that includes the proxy URL for your lab notebook.

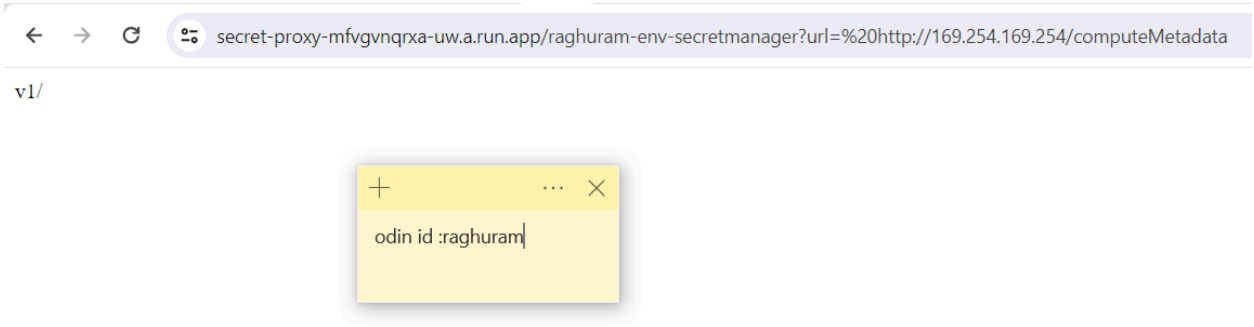




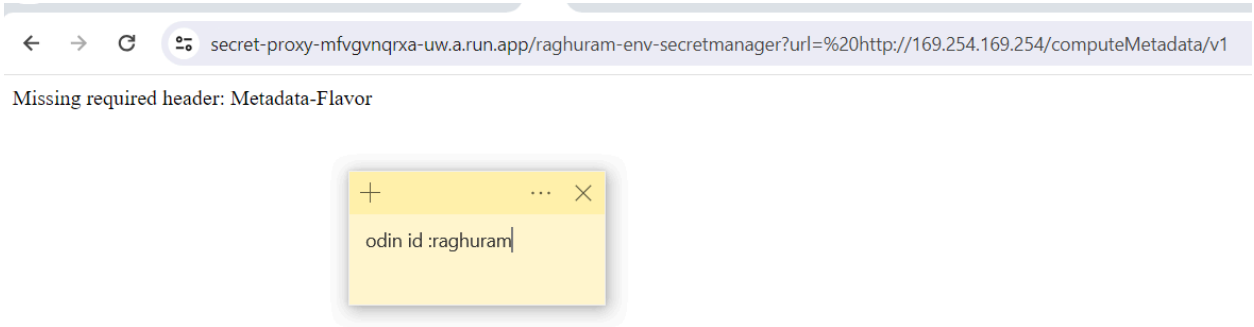
- Identify the vulnerability in your lab notebook that Google has prevented.

  Web security vulnerability, SSRF - Server-side request forgery

  http://169.254.169.254/computeMetadata



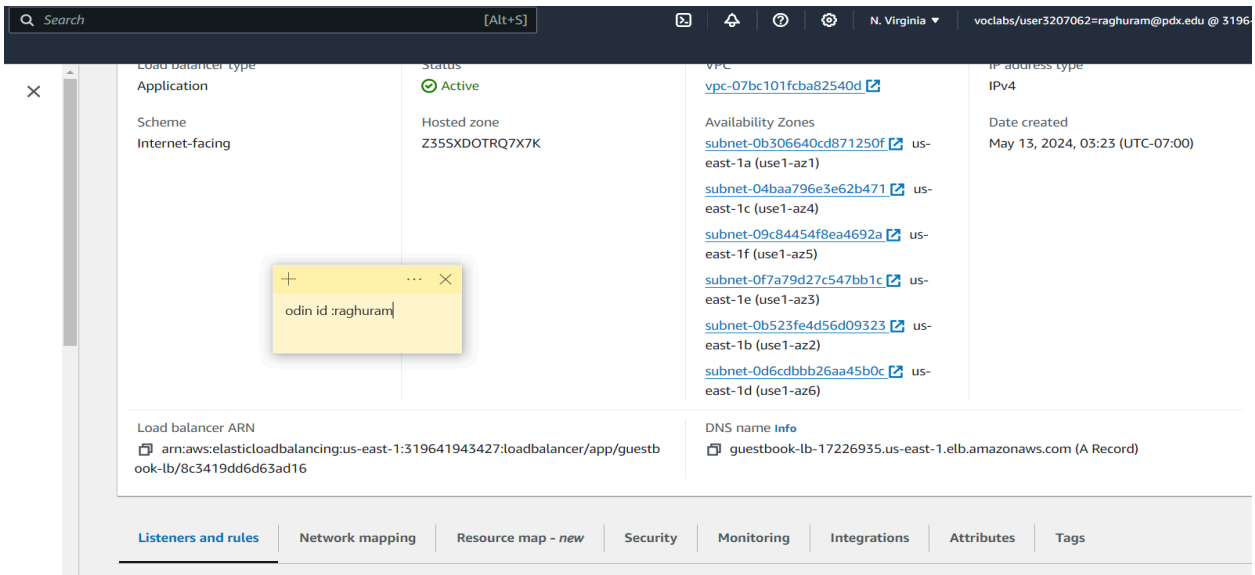
http://169.254.169.254/computeMetadata/v1



06.3a: ECS Guestbook

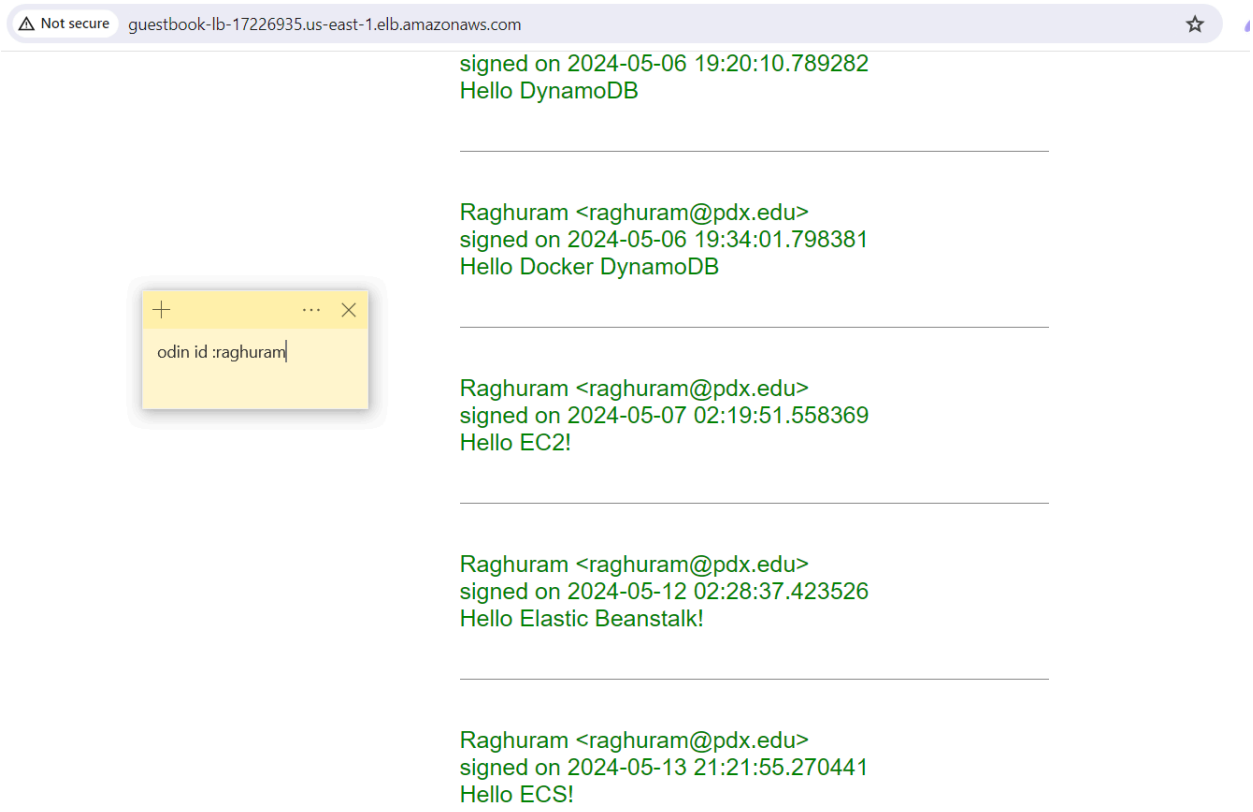
5. Examine the service

- Take a screenshot of the DNS name of the guestbook-lb load balancer for your lab notebook



6. Visit the site

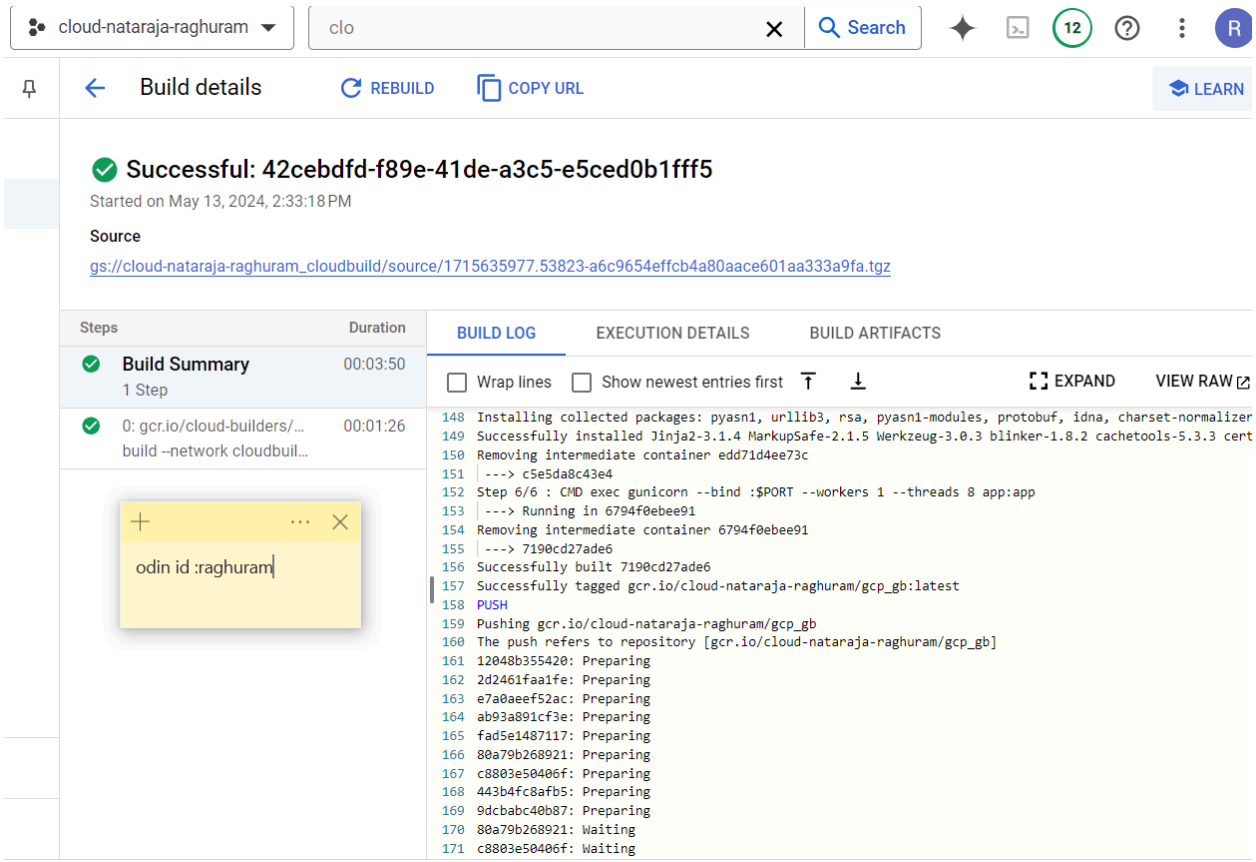
- Take a screenshot of the Guestbook app running in a browser that includes the DNS name of the site.



06.3g: Cloud Run Guestbook

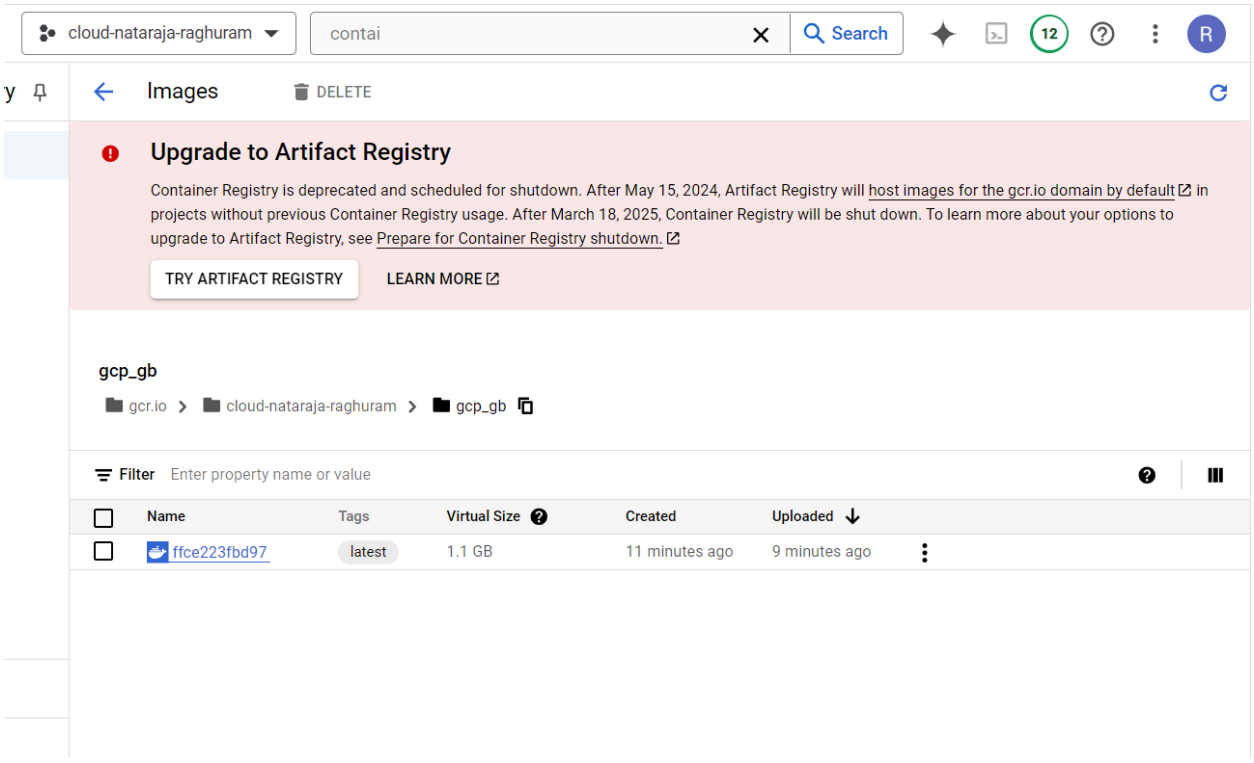
2. Prepare a container image

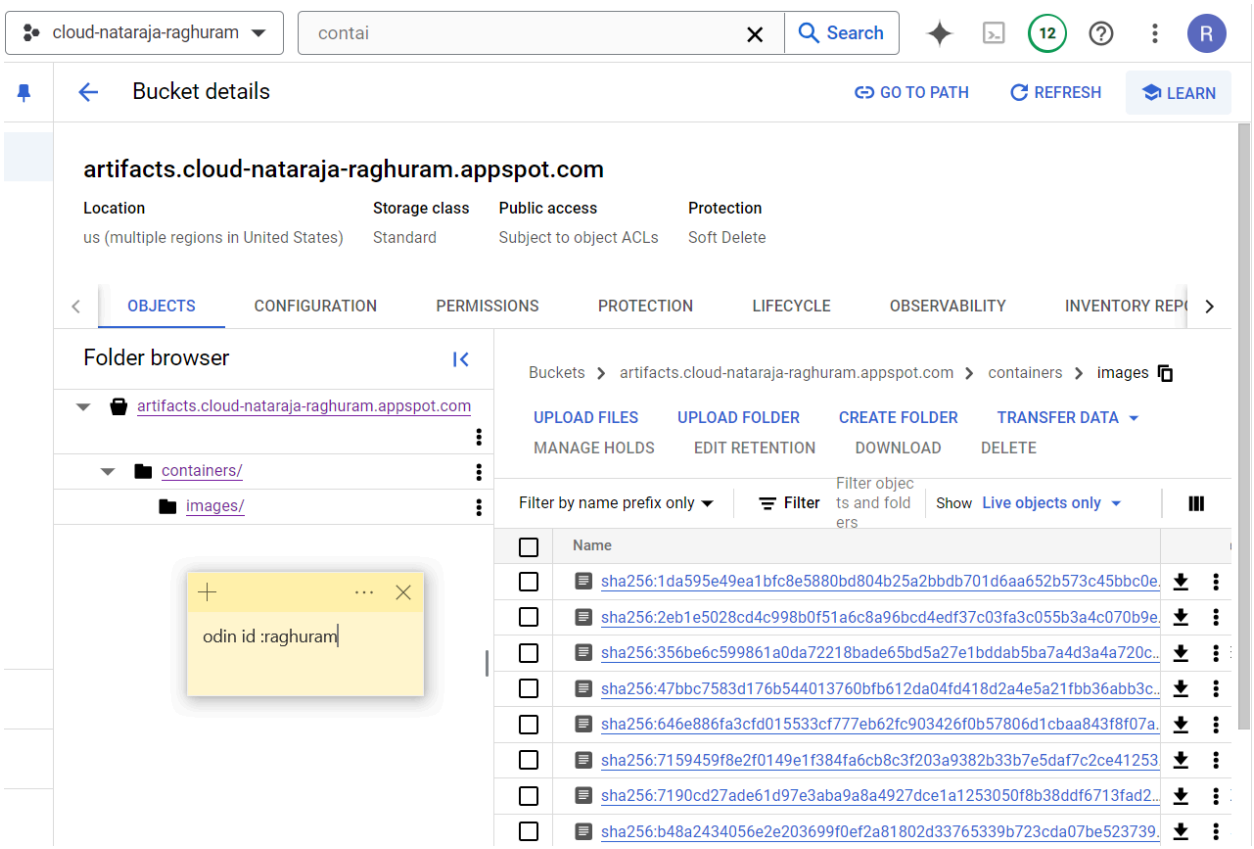
- Take a screenshot that includes the output of the command and the time it took to execute.



3. View container image

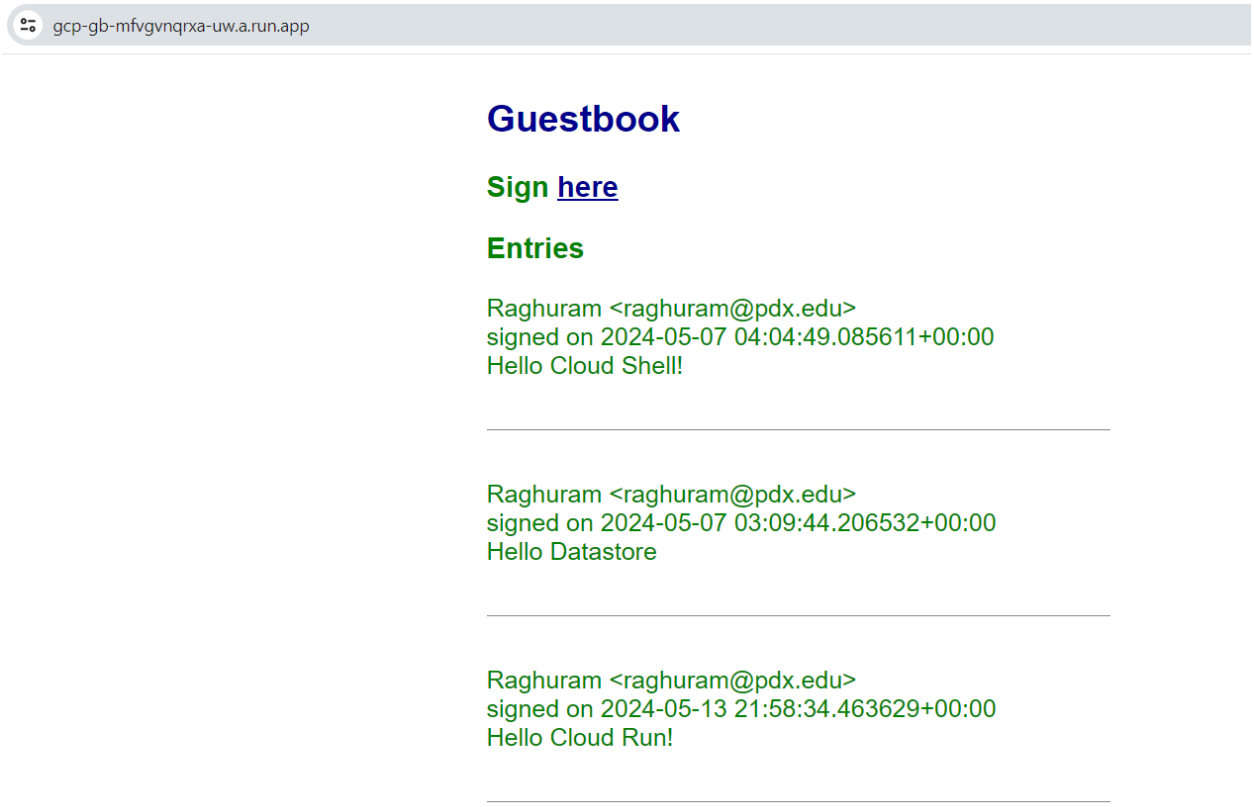
- Take a screenshot showing the container image and its virtual size


cloud-nataraja-raghuram
contai
Search
12
R
Images
DELETE
Upgrade to Artifact Registry
Container Registry is deprecated and scheduled for shutdown. After May 15, 2024, Artifact Registry will host images for the gcr.io domain by default in projects without previous Container Registry usage. After March 18, 2025, Container Registry will be shut down. To learn more about your options to upgrade to Artifact Registry, see Prepare for Container Registry shutdown.
TRY ARTIFACT REGISTRY
LEARN MORE
gcp_gb
gcr.io
cloud-nataraja-raghuram
gcp_gb
Filter
Enter property name or value
Name
Tags
Virtual Size
Created
Uploaded
ffce223fbd97
latest
1.1 GB
11 minutes ago
9 minutes ago



5. View the Guestbook

- Take a screenshot that includes the URL Cloud Run has created for your site.



- What port do container instances listen on?

  8080 port

- What are the maximum number of instances Cloud Run will autoscale up to for your service?

  Autoscaling

  Max instances 3

06.4g: Cloud Functions, PubSub

4. -

- After downloading the file from the bucket, where is it stored?

  Temp_local_filename

- What class in the ImageMagick package is used to do the blurring of the file?

  resize method of the image class

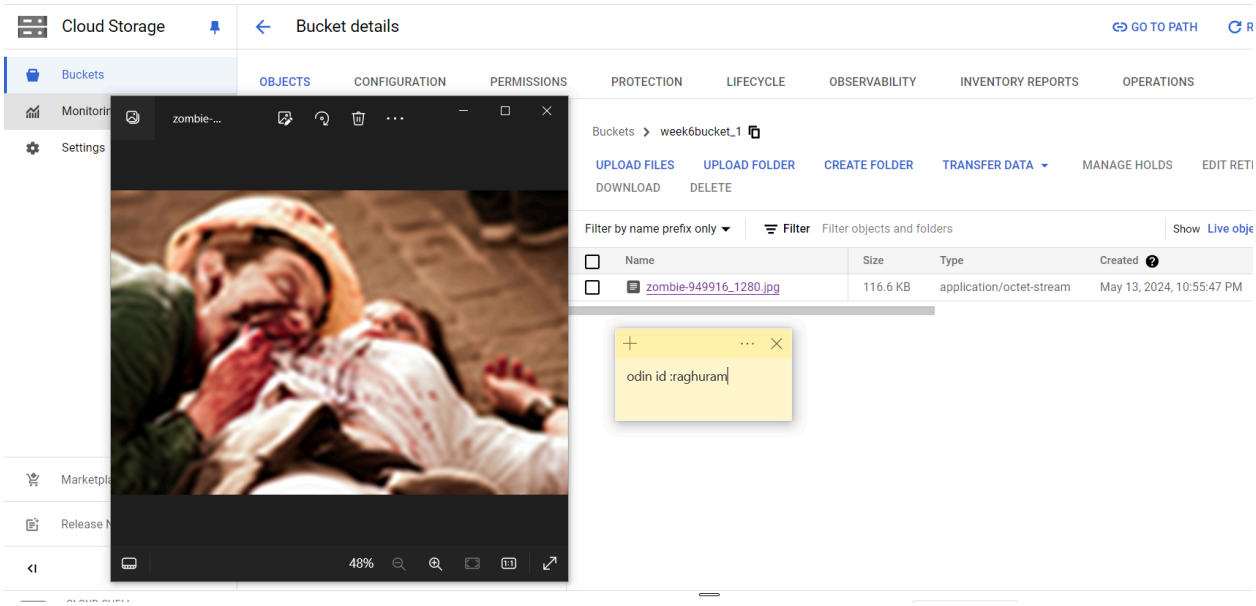
- What lines of code perform the blurring of the image and its storage back into the filesystem?

```
# Download file from bucket.
current_blob.download_to_filename(temp_local_filename)
print(f"Image {file_name} was downloaded to {temp_local_filename}.")

# Blur the image using ImageMagick.
with Image(filename=temp_local_filename) as image:
    image.resize(*image.size, blur=16, filter="hamming")
    image.save(filename=temp_local_filename)

print(f"Image {file_name} was blurred.")
```

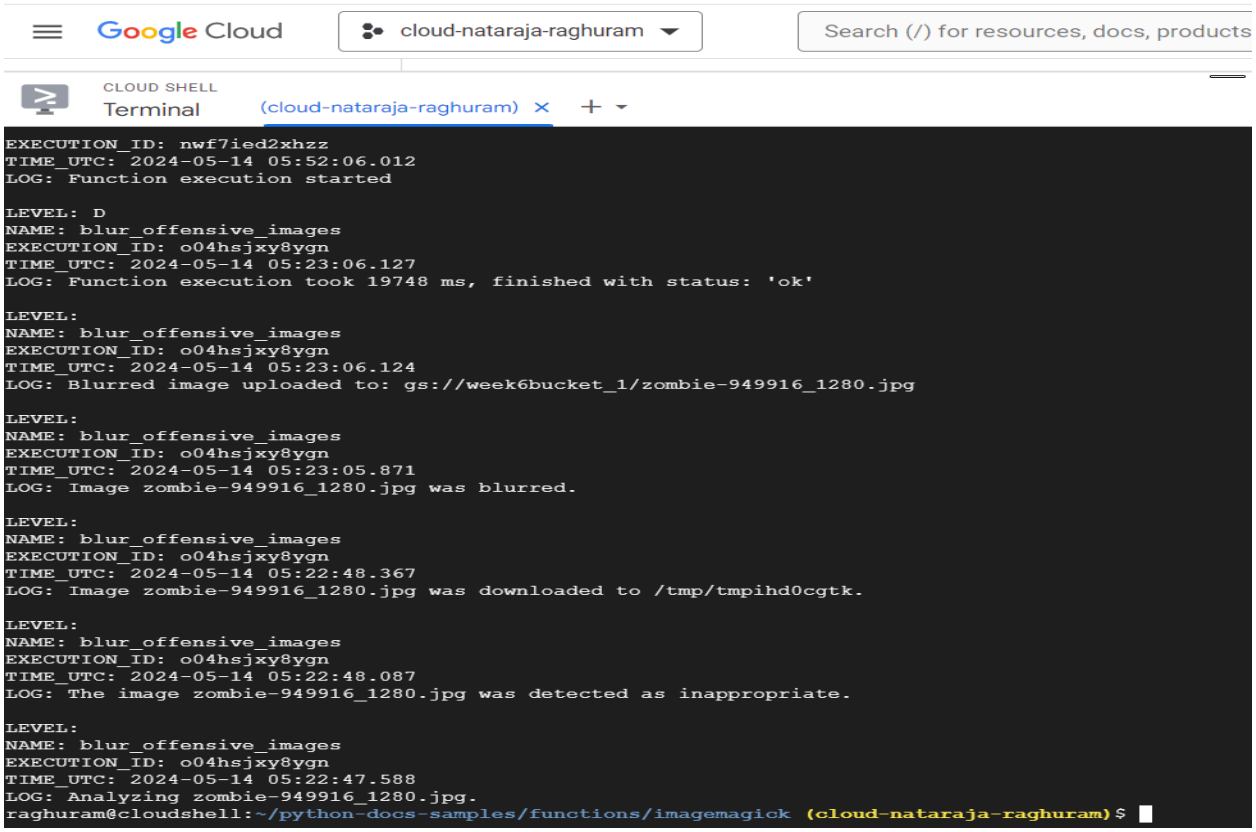
odin id :raghuram

7. Test function

- Take a screenshot of the blurred image in the output bucket for your lab notebook



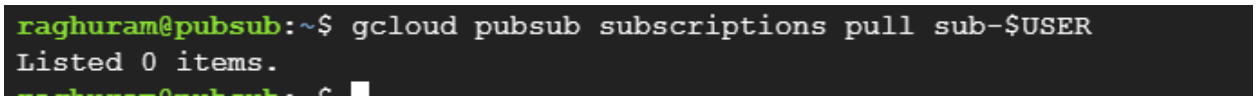
- Include a screenshot of the output logs that show that the above image was blurred.



11. PubSub via CLI

- Why are there no items returned?

there are no people subscribed when a message is sent to a topic, nobody will receive it.



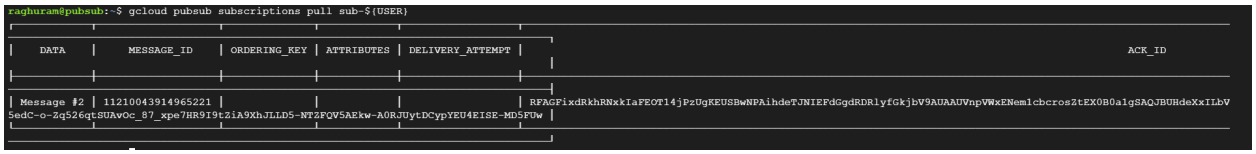
12. -

- What is the messageId of the published message?

messageIds:

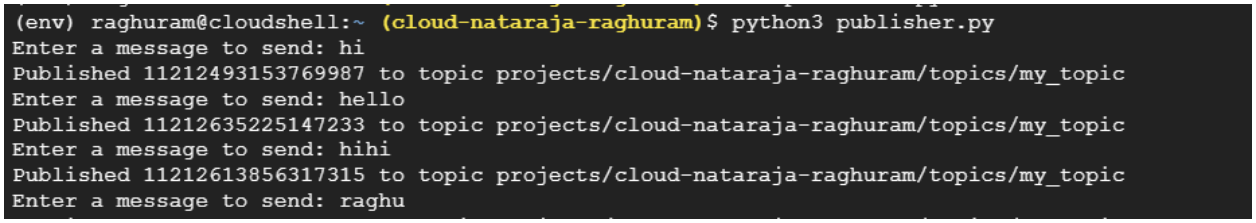
- '11210043914965221

- Take a screenshot of the output of the successful pull that includes the message and its messageId.



15. Test programs and clean up

- Take a screenshot showing the messageIds and messages sent



- Take a screenshot showing the same messageIds and messages received