CS356 -lab06:4g - Branden-Codd, 940428984

1. Image blurring

- No screenshots or observations

2. Services setup

- No screenshots or observations

3. Code

- No screenshots or observations

4. Code

Visit the file and examine the code for `__blur_image`. Answer the following questions for your lab notebook:

- 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?
    - Image
- What lines of code perform the blurring of the image and its storage back into the filesystem?
    - 72,73,74

5. Deploy the function

- No screenshots or observations

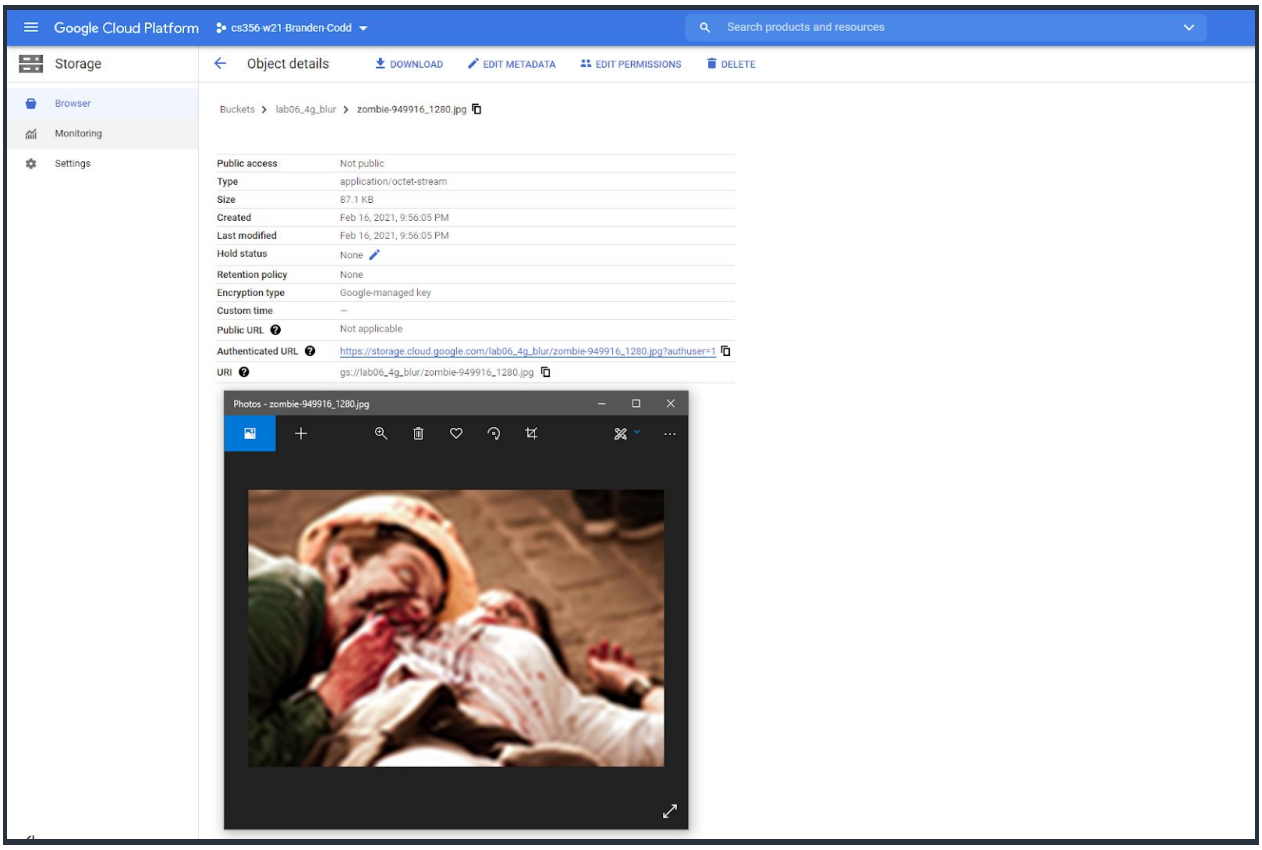
6. Test function

- Verify that at least one image has been blurred by showing a screenshot of it in the output bucket

Before

Google Cloud Platform
cs356-w21-Branden-Codd
Search products and resources
Storage
Object details
DOWNLOAD
EDIT METADATA
EDIT PERMISSIONS
DELETE
Browser
Monitoring
Settings
Buckets
lab06_4g
zombie-949916_1280.jpg
Type
image/jpeg
Size
267.7 KB
Created
Feb 16, 2021, 9:55:47 PM
Last modified
Feb 16, 2021, 9:55:47 PM
Hold status
None
Retention policy
None
Encryption type
Google-managed key
Custom time
–
Public URL
Not applicable
Authenticated URL
https://storage.cloud.google.com/lab06_4g/zombie-949916_1280.jpg?authuser=1
URI
gs://lab06_4g/zombie-949916_1280.jpg

after



Other images

Google Cloud Platform cs356-w21-Branden-Codd Search products and resources

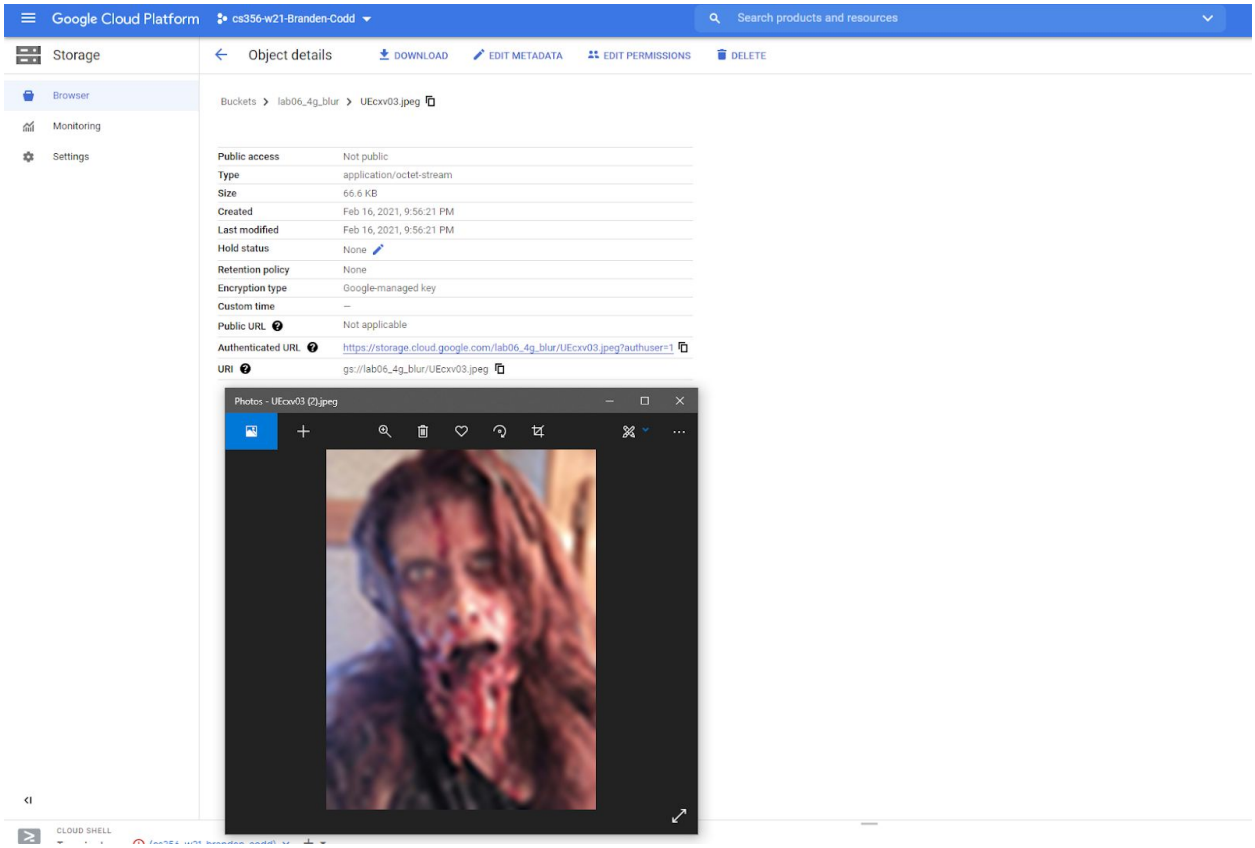
Storage

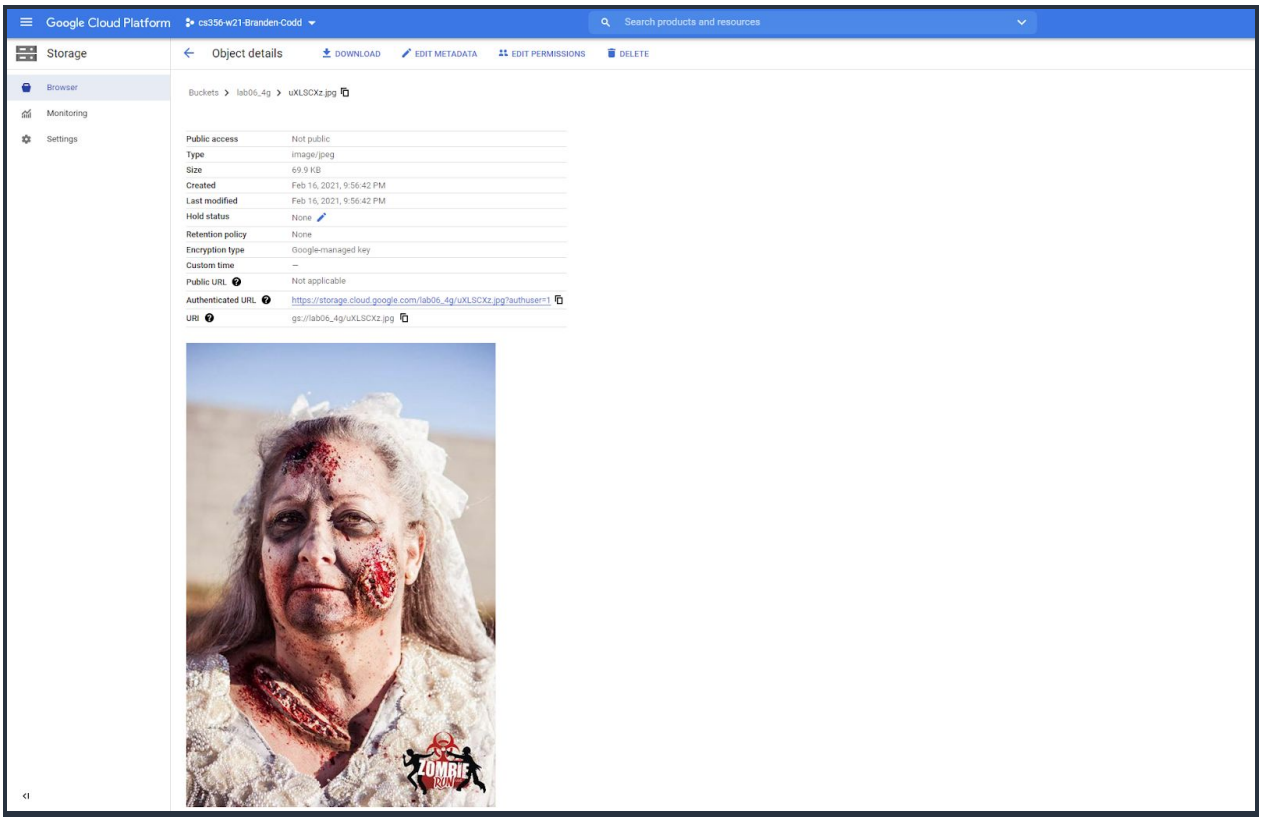
Browser
Monitoring
Settings

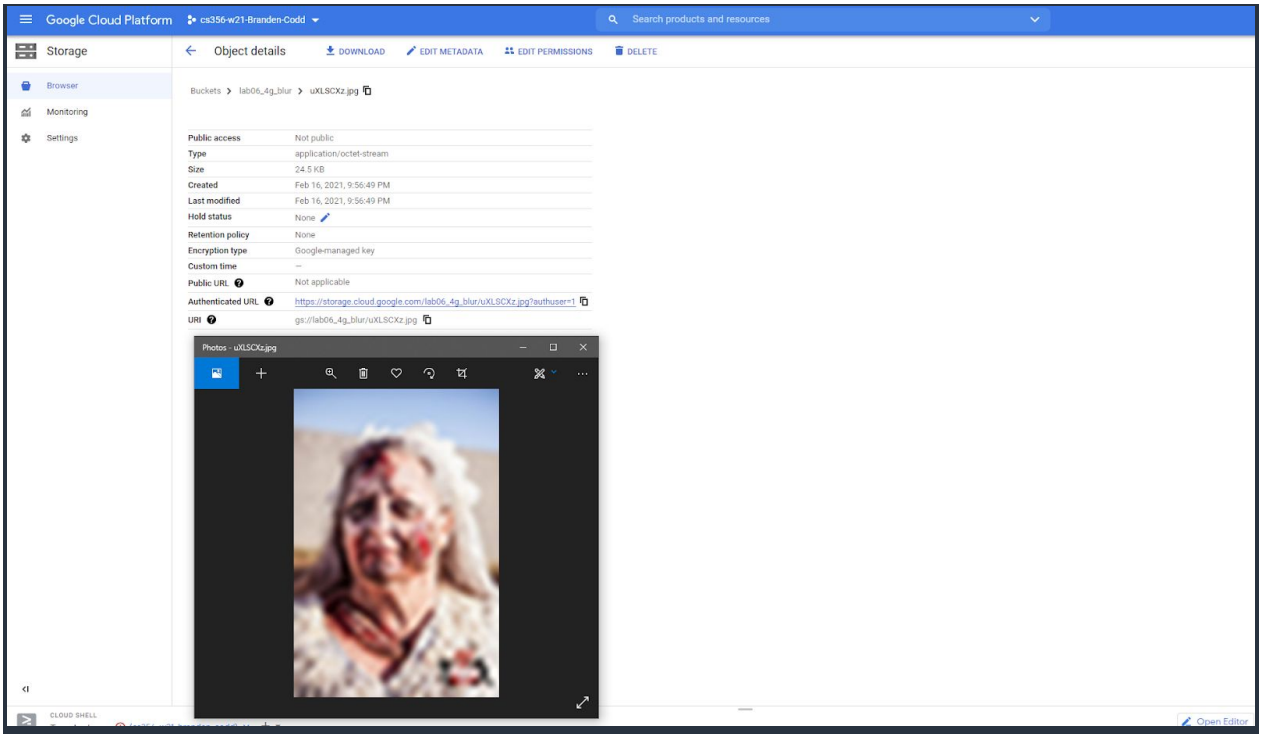
Object details DOWNLOAD EDIT METADATA EDIT PERMISSIONS DELETE

Buckets > lab06_4g > UEcxv03.jpeg

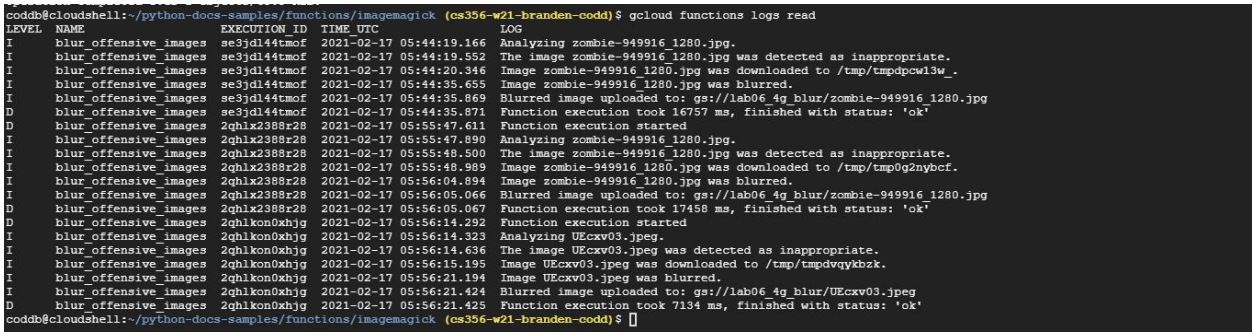
Public access	Not public
Type	image/jpeg
Size	145.4 KB
Created	Feb 16, 2021, 9:56:12 PM
Last modified	Feb 16, 2021, 9:56:12 PM
Hold status	None
Retention policy	None
Encryption type	Google-managed key
Custom time	–
Public URL	Not applicable
Authenticated URL	https://storage.cloud.google.com/lab06_4g/UEcxv03.jpeg?authuser=1
URI	gs://lab06_4g/UEcxv03.jpeg


Google Cloud Platform
cs356-w21-Branden-Codd
Search products and resources
Storage
Object details
DOWNLOAD
EDIT METADATA
EDIT PERMISSIONS
DELETE
Browser
Monitoring
Settings
Buckets > lab06_4g_blur > UEcxv03.jpeg
Public access Not public
Type application/octet-stream
Size 66.6 KB
Created Feb 16, 2021, 9:56:21 PM
Last modified Feb 16, 2021, 9:56:21 PM
Hold status None
Retention policy None
Encryption type Google-managed key
Custom time –
Public URL Not applicable
Authenticated URL https://storage.cloud.google.com/lab06_4g_blur/UEcxv03.jpeg?authuser=1
URI gs://lab06_4g_blur/UEcxv03.jpeg
Photos - UEcxv03 (2).jpeg
CLOUD SHELL


Google Cloud Platform
cs356-w21-Branden-Codd
Search products and resources
Storage
Object details
DOWNLOAD
EDIT METADATA
EDIT PERMISSIONS
DELETE
Browser
Monitoring
Settings
Buckets > lab06_4g > uXLSCXz.jpg
Public access Not public
Type image/jpeg
Size 69.9 KB
Created Feb 16, 2021, 9:56:42 PM
Last modified Feb 16, 2021, 9:56:42 PM
Hold status None
Retention policy None
Encryption type Google-managed key
Custom time –
Public URL Not applicable
Authenticated URL https://storage.cloud.google.com/lab06_4g/uXLSCXz.jpg?authuser=1
URI gs://lab06_4g/uXLSCXz.jpg
ZOMBIE RUN


Google Cloud Platform
cs356-w21-Branden-Codd
Search products and resources
Storage
Object details
DOWNLOAD
EDIT METADATA
EDIT PERMISSIONS
DELETE
Browser
Monitoring
Settings
Buckets > lab06_4g_blur > uXLSCXz.jpg
Public access Not public
Type application/octet-stream
Size 24.5 KB
Created Feb 16, 2021, 9:56:49 PM
Last modified Feb 16, 2021, 9:56:49 PM
Hold status None
Retention policy None
Encryption type Google-managed key
Custom time –
Public URL Not applicable
Authenticated URL https://storage.cloud.google.com/lab06_4g_blur/uXLSCXz.jpg?authuser=1
URI gs://lab06_4g_blur/uXLSCXz.jpg
Photos - uXLSCXz.jpg
CLOUD SHELL
Open Editor

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



```
coddb@cloudshell:~/python-docs-samples/functions/imagemagick (cs356-w21-branden-codd)$ gcloud functions logs read
LEVEL  NAME                  EXECUTION_ID  TIME_UTC                LOG
I      blur_offensive_images  se3jdl44tmof  2021-02-17 05:44:19.166  Analyzing zombie-949916_1280.jpg.
I      blur_offensive_images  se3jdl44tmof  2021-02-17 05:44:19.552  The image zombie-949916_1280.jpg was detected as inappropriate.
I      blur_offensive_images  se3jdl44tmof  2021-02-17 05:44:20.346  Image zombie-949916_1280.jpg was downloaded to /tmp/tmpdpcwl3w_.
I      blur_offensive_images  se3jdl44tmof  2021-02-17 05:44:35.655  Image zombie-949916_1280.jpg was blurred.
I      blur_offensive_images  se3jdl44tmof  2021-02-17 05:44:35.869  Blurred image uploaded to: gs://lab06_4g_blur/zombie-949916_1280.jpg
D      blur_offensive_images  se3jdl44tmof  2021-02-17 05:44:35.871  Function execution took 16757 ms, finished with status: 'ok'
D      blur_offensive_images  2qhlx2388r28  2021-02-17 05:55:47.611  Function execution started
I      blur_offensive_images  2qhlx2388r28  2021-02-17 05:55:47.890  Analyzing zombie-949916_1280.jpg.
I      blur_offensive_images  2qhlx2388r28  2021-02-17 05:55:48.500  The image zombie-949916_1280.jpg was detected as inappropriate.
I      blur_offensive_images  2qhlx2388r28  2021-02-17 05:55:48.989  Image zombie-949916_1280.jpg was downloaded to /tmp/tmp0g2nybcf.
I      blur_offensive_images  2qhlx2388r28  2021-02-17 05:56:04.894  Image zombie-949916_1280.jpg was blurred.
I      blur_offensive_images  2qhlx2388r28  2021-02-17 05:56:05.066  Blurred image uploaded to: gs://lab06_4g_blur/zombie-949916_1280.jpg
D      blur_offensive_images  2qhlx2388r28  2021-02-17 05:56:05.067  Function execution took 17458 ms, finished with status: 'ok'
D      blur_offensive_images  2qhlkon0xhjg  2021-02-17 05:56:14.292  Function execution started
I      blur_offensive_images  2qhlkon0xhjg  2021-02-17 05:56:14.323  Analyzing UEcxv03.jpeg.
I      blur_offensive_images  2qhlkon0xhjg  2021-02-17 05:56:14.636  The image UEcxv03.jpeg was detected as inappropriate.
I      blur_offensive_images  2qhlkon0xhjg  2021-02-17 05:56:15.195  Image UEcxv03.jpeg was downloaded to /tmp/tmpdvqykbzk.
I      blur_offensive_images  2qhlkon0xhjg  2021-02-17 05:56:21.194  Image UEcxv03.jpeg was blurred.
I      blur_offensive_images  2qhlkon0xhjg  2021-02-17 05:56:21.424  Blurred image uploaded to: gs://lab06_4g_blur/UEcxv03.jpeg
D      blur_offensive_images  2qhlkon0xhjg  2021-02-17 05:56:21.425  Function execution took 7134 ms, finished with status: 'ok'
coddb@cloudshell:~/python-docs-samples/functions/imagemagick (cs356-w21-branden-codd)$
```