

## 1. Cloud Run

- No screenshots or observations

## 2. Prepare a container image

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

The screenshot shows the Google Cloud Build console for a project named 'cs356-w21-Branden-Codd'. The build is successful, with a status of 'Successful: 69f9a071'. The build summary shows a single step named 'Build Summary' which completed successfully. The build logs show the execution of the 'gcr.io/cloud-builders/docker' command, which builds the container image 'gcr.io/cloud-builders/docker:latest'. The build logs also show the execution of the 'docker build' command, which builds the container image 'gcr.io/cloud-builders/docker:latest'.

- Then, visit Container Registry and take a screenshot showing the container image and its virtual size

The screenshot shows the Google Cloud Container Registry console for the project 'cs356-w21-Branden-Codd'. The image details for the image '016abb4d1dc5' are displayed. The image is a Docker Manifest, Schema 2, with a media type of 'application/vnd.docker.distribution.manifest.v2+json'. The virtual size is 1.08 GB. The image was created on February 16, 2021 at 7:10:43 PM UTC-8 and uploaded on February 16, 2021 at 7:15:03 PM UTC-8. The build ID is 'gcr.io / cs356-w21-Branden-Codd / gcp\_gb @ sha256:016abb4d1dc51777a0271a57b0c46e2c9979a0862265c42374db0d611445a83'. The container classification shows the digest as 'sha256:016abb4d1dc51777a0271a57b0c46e2c9979a0862265c42374db0d611445a83', the tags as 'latest', the repository as 'gcp\_gb', and the project as 'cs356-w21-Branden-Codd'.

## 3. Deploy container with minimal privileges

- No screenshots or observations

## 4. View the Guestbook

- Show your Guestbook app running in a browser. Make sure that your screenshot shows the URL Cloud Run has created for your site.

The screenshot displays the Google Cloud Platform (GCP) console. At the top, a browser window shows the 'Guestbook' application with a 'Sign here' link and a list of entries. The entries are from 'Branden codd <codd@sou.edu>' and 'Branden r Codd <codd@sou.edu>', each with a timestamp and a message like 'Hello Cloud Run!' or 'Hello Docker Datastore!'. Below the browser window, the GCP console shows the 'Cloud Run' service details for the 'gcpbg' service. The 'Revisions' tab is active, showing a table with one revision: 'gcpbg-00001-tix'. The 'Details' section on the right shows the 'Container' configuration for the revision, including the image URL, build, source, port (8080), command and args, service account, and capacity (1 CPU, 256MB memory, 80 concurrency, 300 request timeout). The 'Autoscaling' section shows 'Max instances' set to 100.

Guestbook

[Sign here](#)

Entries

Branden codd <codd@sou.edu>  
signed on 2021-02-17 03:22:13.956144+00:00  
Hello Cloud Run!

Branden Codd <codd@sou.edu>  
signed on 2021-02-11 04:23:30.992484+00:00  
Hello Docker Datastore!

Branden r Codd <codd@sou.edu>  
signed on 2021-02-16 05:49:01.866466+00:00  
Hello App Engine!

Branden Codd <codd@sou.edu>  
signed on 2021-02-11 04:36:44.788618+00:00  
Hello Cloud Shell!

Branden Codd <codd@sou.edu>  
signed on 2021-02-10 20:15:29.541181+00:00  
Hello Datastore

Branden r codd <codd@sou.edu>  
signed on 2021-02-11 04:45:26.345528+00:00  
Hello Compute Engine!

Google Cloud Platform

Cloud Run

Service details

gcpbg

Region: us-west1

URL: <https://gcpbg-00001-tix.a.run.app>

Revisions

Name	Traffic	Deployed	Revision URL (logs)	Actions
gcpbg-00001-tix	100% (to latest)	7 minutes ago		

gcpbg-00001-tix

Deployed by codd@sou.edu using gcloud

CONTAINER

General

Image URL: [gcr.io/csl156-w21-branden-codd/gcp\\_bg@sha256-016...](gcr.io/csl156-w21-branden-codd/gcp_bg@sha256-016...)

Build: (no build information available)

Source: (no source information available)

Port: 8080

Command and args: (container endpoint)

Service account: [gcpbg-00001-tix@cs156-w21-branden-codd.iam.gserviceaccount.com](#)

Capacity

CPU allocated: 1

Memory allocated: 256Mi

Concurrency: 80

Request timeout: 300 seconds

Autoscaling

Max instances: 100

View the "Details" section to the right and answer the following questions:

- What port do container instances listen on?
  - 8080
- How many instances will Cloud Run autoscale up to by default?
  - 100

