-/10

Start Lab

← GCP Fundamentals: Getting Started with App Engine

Objectives

· Launch an App Engine application.

In this lab, you learn how to perform the following tasks:

• Time. Note the lab's Completion time in Qwiklabs. This is an estimate of the time it should take to complete all steps. Plan your schedule so you have time to

- have time". Once the Access time runs out, your lab will end and all resources will terminate.
- . If you already have your own GCP account, make sure you do not use it for this lab.
- Important What is happening during this time? Your lab is spinning up GCP resources for you
- Find Your Lab's GCP Username and Password To access the resources and console for this lab, locate the Connection Details panel in Qwiklabs. Here you will find the account ID and password for the account you will

OPEN GOOGLE CONSOLE

google822-student@qwiklabs.net

TZjR4X7B6

If your lab provides other resource identifiers or connection-related information, it will appear on this panel as well.

git clone https://github.com/GoogleCloudPlatform/appengine-guestbook-

2. Clone the source code repository for a sample application called **guestbook**:

3. Navigate to the source directory:

7. In Cloud Shell, click Web preview > Preview on port 8080 to

Result: App Engine Guestbook

8. Try the application. Make a few entries in Guestbook, and click Sign Guestbook after each entry. 9. Using the Google Cloud Platform Console, verify that the app is not deployed. In the GCP Console, on the Navigation menu (______), click App Engine > Dashboard. Notice that no resources are deployed. The App Engine development environment is

or your instructor assigned you to. Type Y to continue. 2. To view the startup of the application, in the GCP Console, on the Navigation menu (

If prompted for a region, enter the number corresponding to the region that Qwiklabs

You may see messages about "Create Application". Keep refreshing the page periodically until the application is deployed.

3. View the application on the Internet. The URL for your application is

Cloud Platform project name. This URL is listed in two places:

, click App Engine > Dashboard.

Ensure that you are at the Cloud Shell command prompt.

 The upper-right pane of the App Engine Dashboard Copy and paste the URL into a new browser window.

to refresh the page and see the guestbook application interface. Result:

Guestbook name: default_guestbook switch Login

Sign Guestbook

to users.

Settings.

Click Disable application.

Task 4: Disable the application

However, you can disable the application, which causes it to no longer be accessible

1. In the GCP Console, on the Navigation menu (), click App Engine >

Read the dialog message. Enter the App ID and click DISABLE. If you refresh the browser window you used to view to the application site, you'll get a 404 error.

End your lab When you have completed your lab, click **End Lab**. Qwiklabs removes the resources

you've used and cleans the account for you. You will be given an opportunity to rate the lab experience. Select the applicable

• 1 star = Very dissatisfied 2 stars = Dissatisfied • 3 stars = Neutral 4 stars = Satisfied

For feedback, suggestions, or corrections, please use the Support tab.

Manual Last Updated: April 01, 2019 Lab Last Tested: April 01, 2019

Getting Started with

Task 2: Preview an App Engine application Task 3: Deploy the Guestbook application to App Engine Task 4: Disable the application Congratulational application to App Engine Task 4: Disable the application Congratulations! End your lab application to App Engine Task 4: Disable the application Congratulations! End your lab application to App Engine Task 4: Disable the application Congratulations! End your lab application to App Engine Task 4: Disable the application

Overview

Objectives

Task 1: Sign in to the Google Cloud

Platform (GCP) Console

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Task 4: Disable the application

Disable an App Engine application.

behind the scenes, including an account, a project, resources within the project, and permission for you to control the resources needed to run the lab. This means that instead of spending time manually setting up a project and building resources from scratch as part of your lab, you can begin learning more quickly.

cat app.yaml

dev_appserver.py ./app.yaml The App Engine development server is now running the guestbook application in the local Cloud Shell. It is using other development tools, including a local simulation of Datastore.

To access the Web preview icon, you may need to collapse the Navigation menu.

1. Deploy the application to App Engine using this command: gcloud app deploy ./index.yaml ./app.yaml

You may see an INTERNAL SERVER ERROR. If you read to the bottom of the page, you will see that the error is caused because the Datastore Index is not

yet ready. This is a transient error. It takes some time for Datastore to prepare

and begin serving the Index for guestbook. After a few minutes, you will be able

App Engine Guestbook

the internet for all users. Click Check my progress to verify the objective. Deploy the Guestbook application to App Engine Check my progress

Congratulations! You created your first application using App Engine, including

exercising the local development environment and deploying it. It is now available on

Google 404. That's an error.

Congratulations! In this lab, you deployed an application on App Engine.

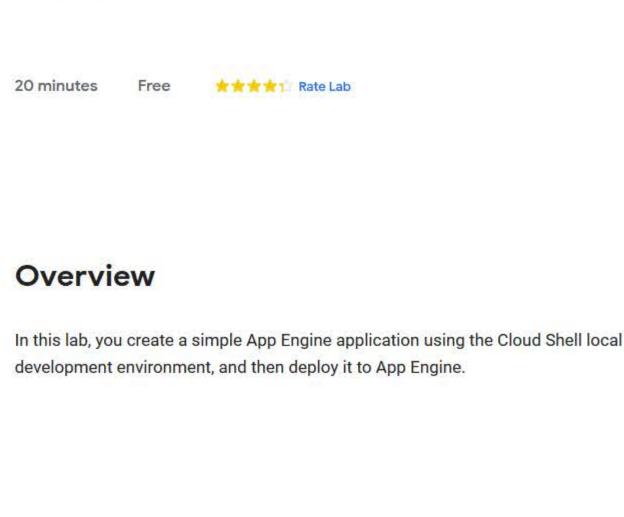
number of stars, type a comment, and then click Submit. The number of stars indicates the following:

5 stars = Very satisfied

You can close the dialog box if you don't want to provide feedback.

Read a detailed explanation of this example App Engine application.

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Preview an App Engine application using Cloud Shell.

Task 1: Sign in to the Google Cloud Platform (GCP) Console What you'll need

To complete this lab, you'll need: Access to a standard internet browser (Chrome browser recommended).

complete the lab. Once you start the lab, you will not be able to pause and return later (you begin at step 1 every time you start a lab). • The lab's Access time is how long your lab resources will be available. If you finish your lab with access time still available, you will be able to explore the Google Cloud Platform or work on any section of the lab that was marked "if you

 You DO NOT need a Google Cloud Platform account or project. An account, project and associated resources are provided to you as part of this lab.

 If your lab prompts you to log into the console, use only the student account provided to you by the lab. This prevents you from incurring charges for lab activities in your personal GCP account. Start your lab When you are ready, click Start Lab. You can track your lab's progress with the status

use to log in to the Google Cloud Platform: CONNECTION DETAILS

bar at the top of your screen.

Task 2: Preview an App Engine application

1. On the Google Cloud Platform menu, click Activate Cloud Shell

box appears, click Start Cloud Shell.

cd appengine-guestbook-python

5. View the app.yaml file and note its structure:

4. List the contents of the directory:

different objects.

local.

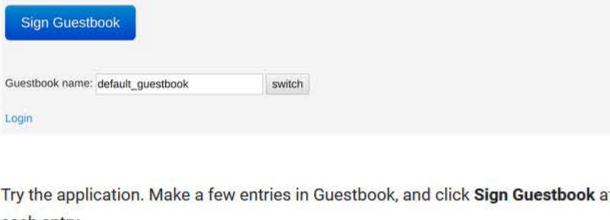
development server.

App Engine

YAML is a templating language. YAML files are used for configuration of many Google Cloud Platform services, although the valid objects and specific properties vary with the service. This file is an App Engine YAML file with handlers: and libraries: . A Cloud Deployment Manager YAML file, for example, would have

6. Run the application using the built-in App Engine development server.

preview the application.



Task 3: Deploy the Guestbook application to

10. To end the test, return to Cloud Shell and press Ctrl+C to abort the App Engine

• The output of the deploy command: Deployed service [default] to [https://PROJECT_ID.appspot.com]

https://PROJECT_ID.appspot.com/ where PROJECT_ID represents your Google

App Engine offers no option to undeploy an application. After an application is deployed, it remains deployed, although you could instead replace the application with a simple page that says something like "not in service."

The requested URL was not found on this server. That's all

More resources