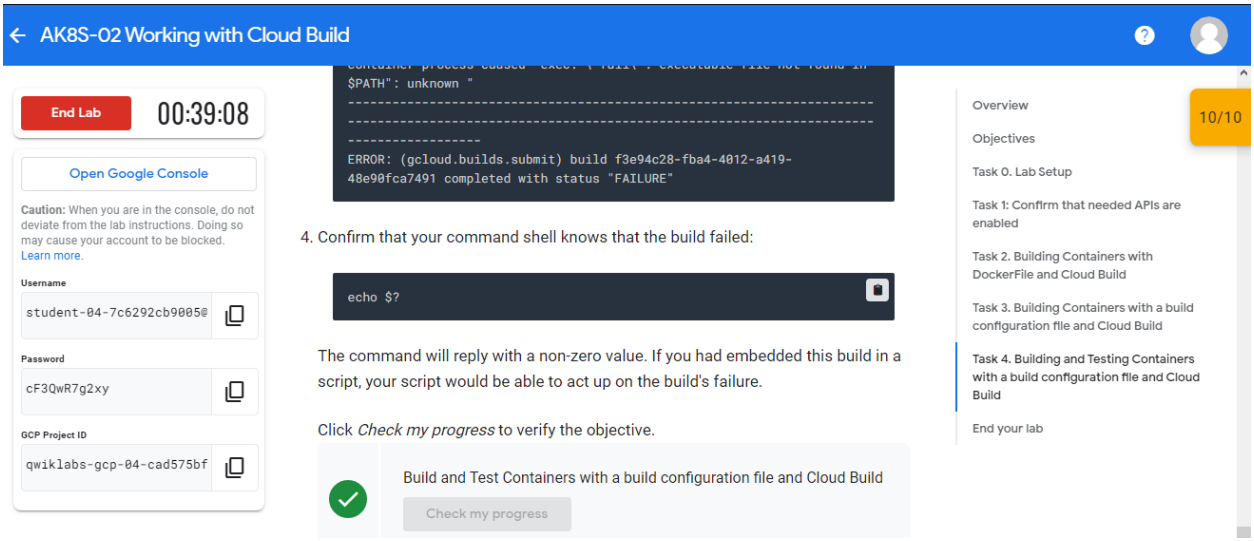
(1)AK8S-02 Working with Cloud Build

Objectives

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

- Use Cloud Build to build and push containers
- Use Container Registry to store and deploy containers

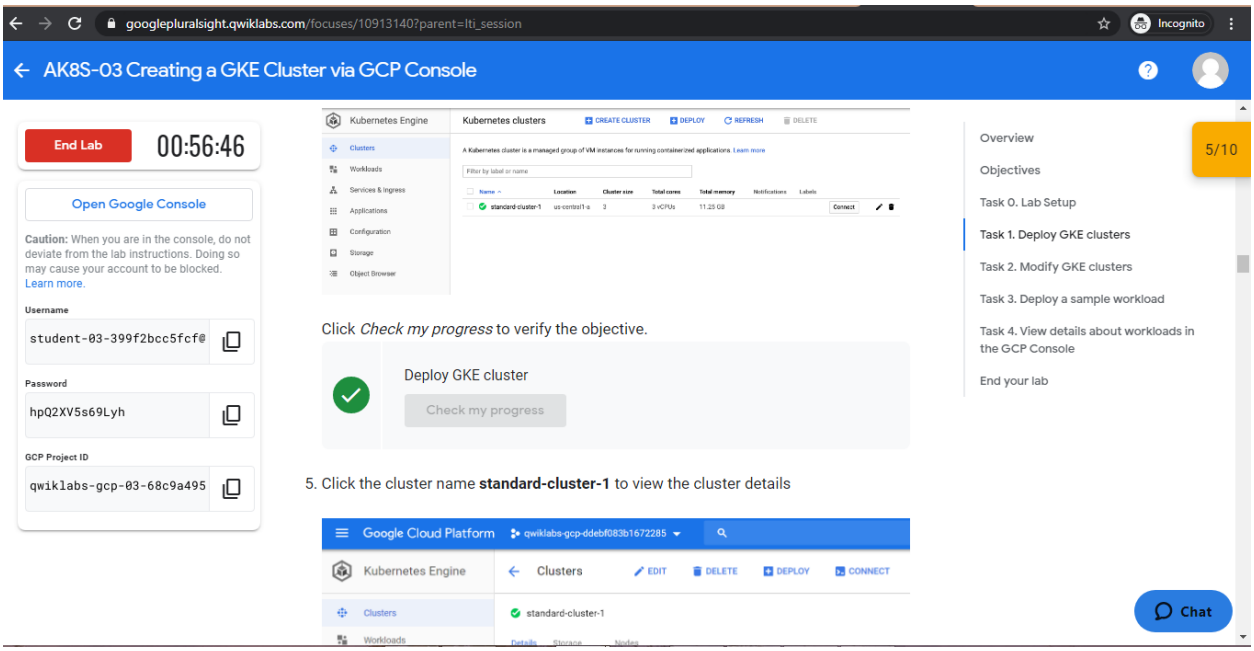


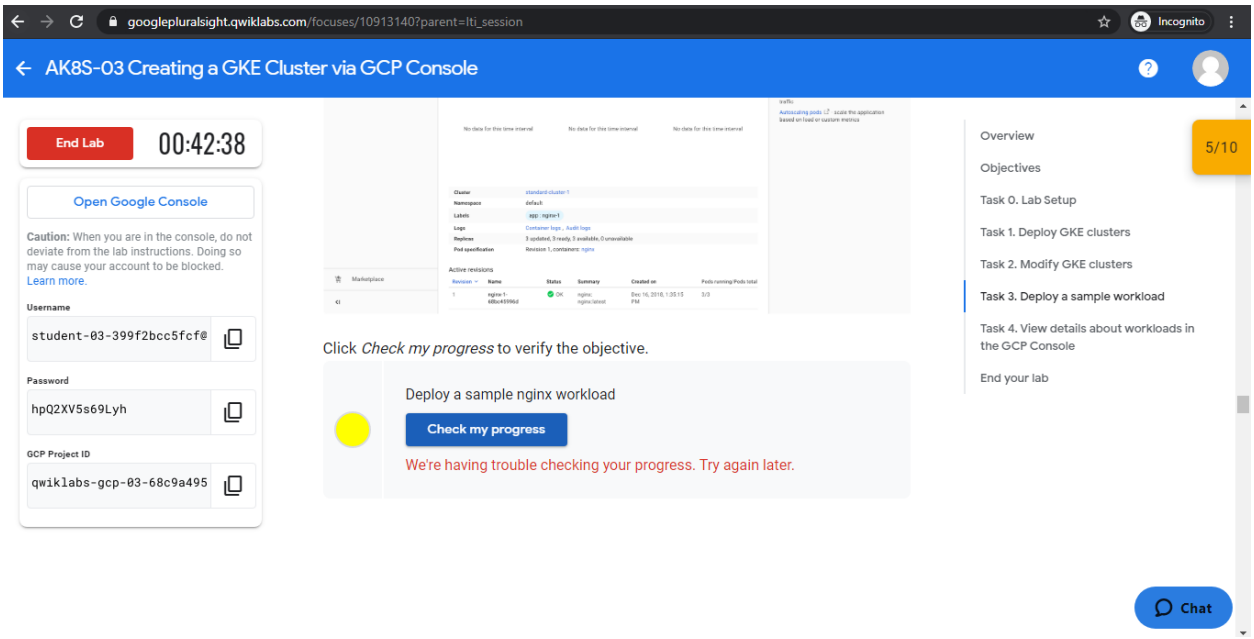
(2)AK8S-03 Creating a GKE Cluster via GCP Console

Objectives

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

- Use the GCP Console to build and manipulate GKE clusters
- Use the GCP Console to deploy a Pod
- Use the GCP Console to examine the cluster and Pods



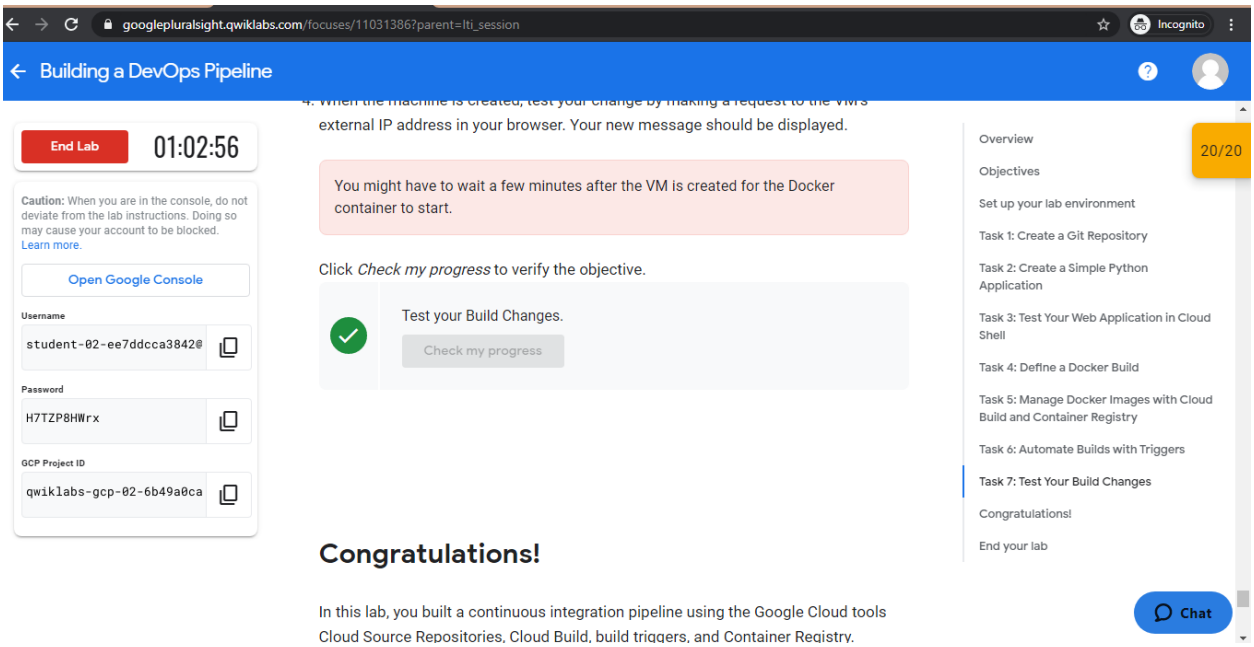


(3)Building a DevOps Pipeline

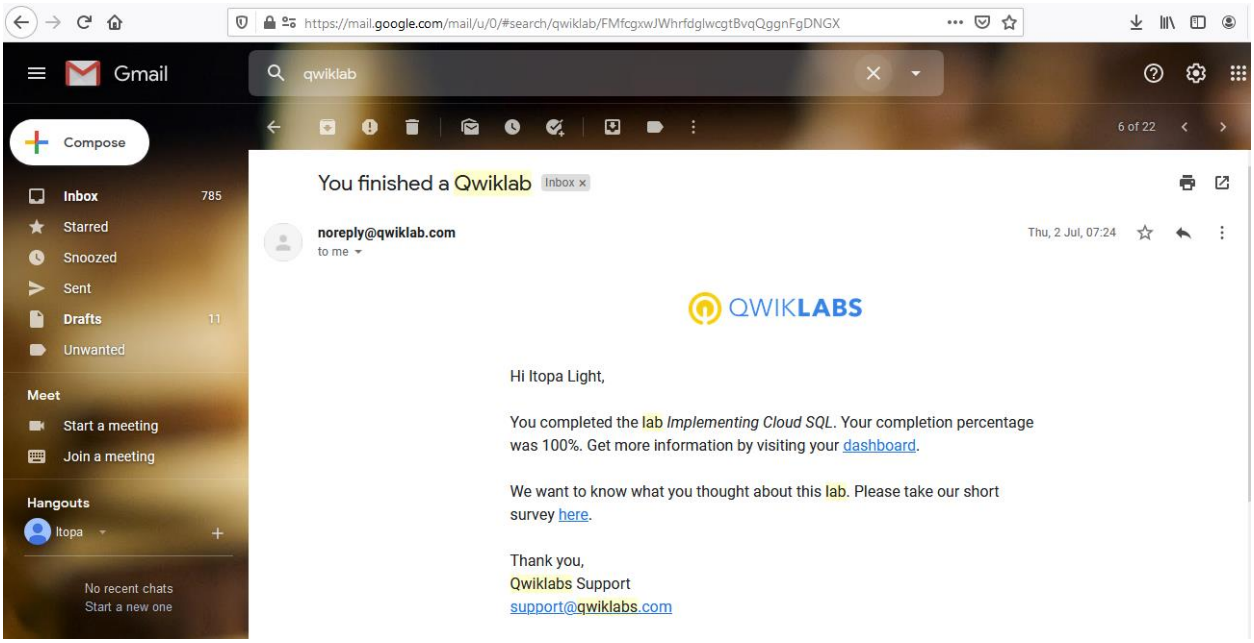
Objectives

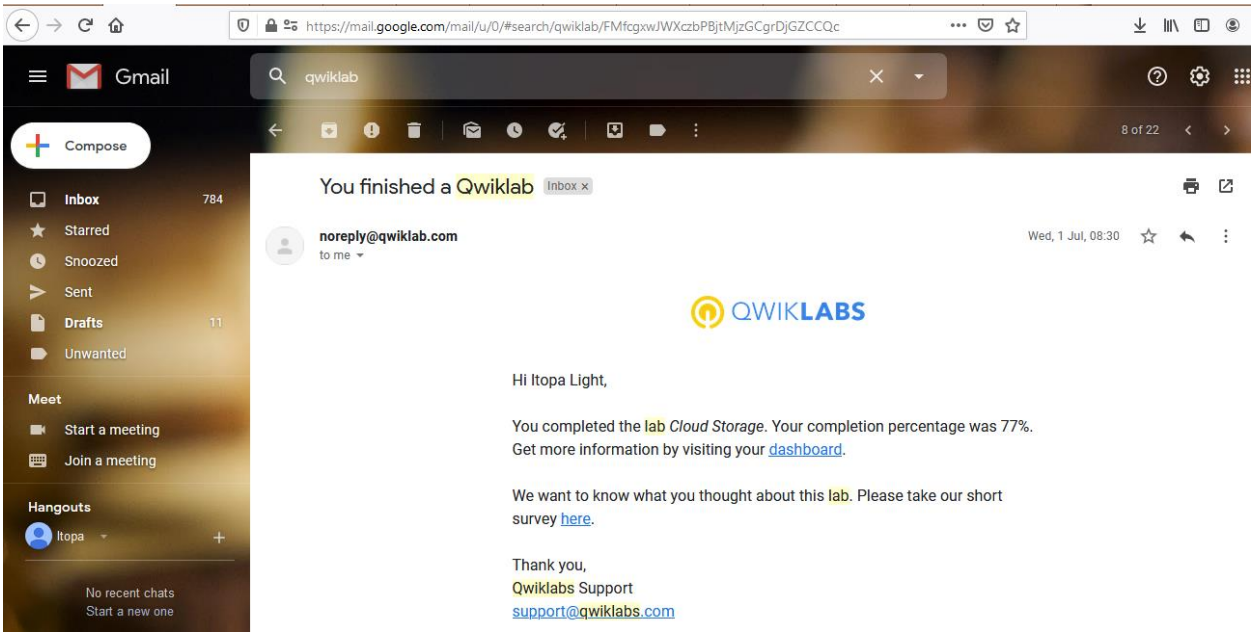
In this lab, you will learn how to perform the following tasks:

- Create a Git repository
- Create a simple Python application
- Test Your web application in Cloud Shell
- Define a Docker build
- Manage Docker images with Cloud Build and Container Registry
- Automate builds with triggers
- Test your build changes

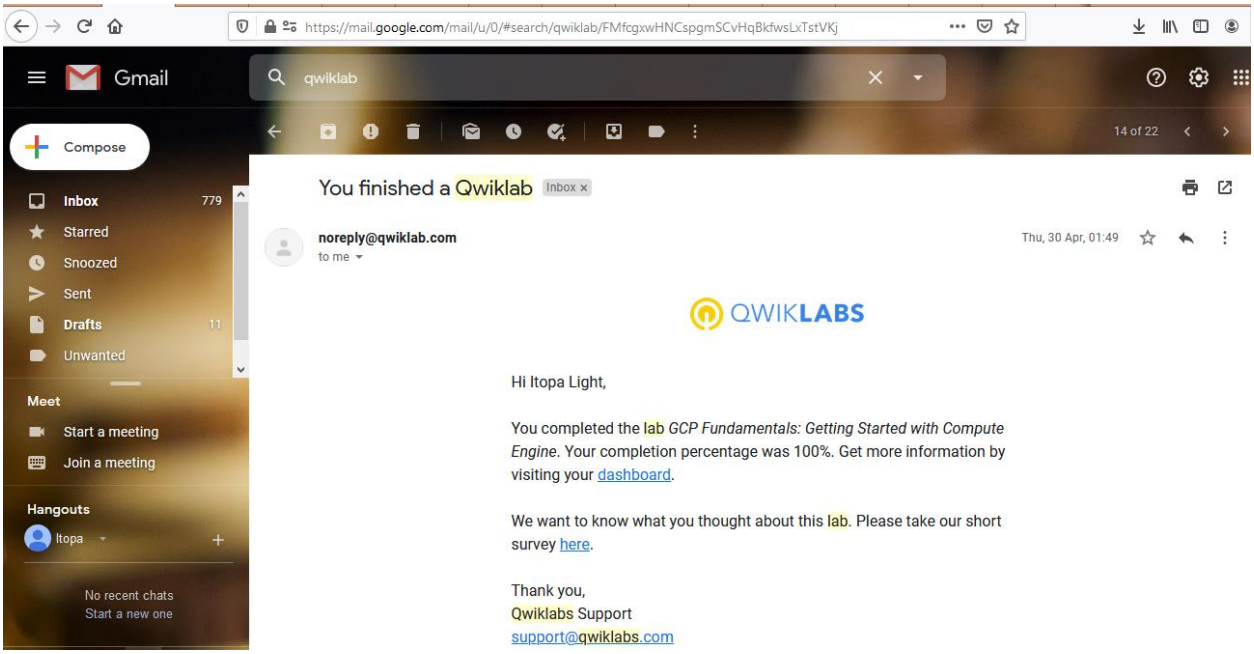

googlepluralsight.qwiklabs.com/focuses/11031386?parent=lti_session
Incognito
Building a DevOps Pipeline
End Lab
01:02:56
Caution: When you are in the console, do not deviate from the lab instructions. Doing so may cause your account to be blocked.
Learn more.
Open Google Console
Username
student-02-ee7ddcca3842@
Password
H7TZP8HWrx
GCP Project ID
qwiklabs-gcp-02-6b49a0ca
external IP address in your browser. Your new message should be displayed.
You might have to wait a few minutes after the VM is created for the Docker container to start.
Click Check my progress to verify the objective.
Test your Build Changes.
Check my progress
Congratulations!
In this lab, you built a continuous integration pipeline using the Google Cloud tools Cloud Source Repositories, Cloud Build, build triggers, and Container Registry.
20/20
Overview
Objectives
Set up your lab environment
Task 1: Create a Git Repository
Task 2: Create a Simple Python Application
Task 3: Test Your Web Application in Cloud Shell
Task 4: Define a Docker Build
Task 5: Manage Docker Images with Cloud Build and Container Registry
Task 6: Automate Builds with Triggers
Task 7: Test Your Build Changes
Congratulations!
End your lab
Chat

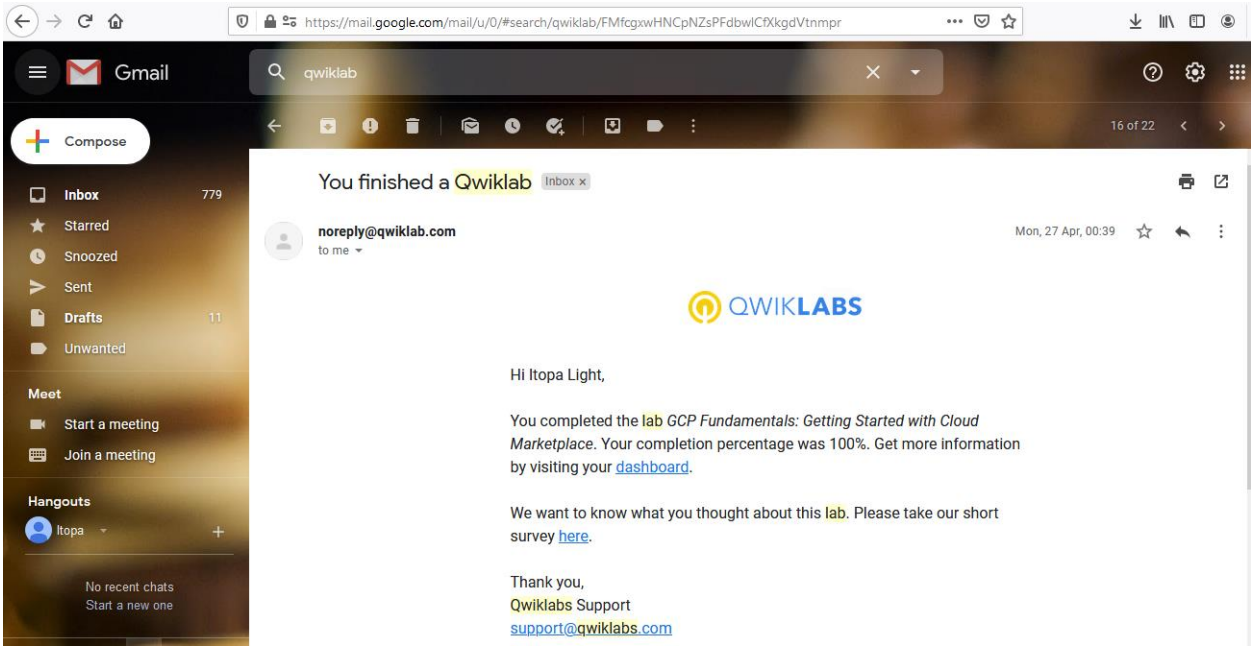
(4)Implementing Cloud SQL



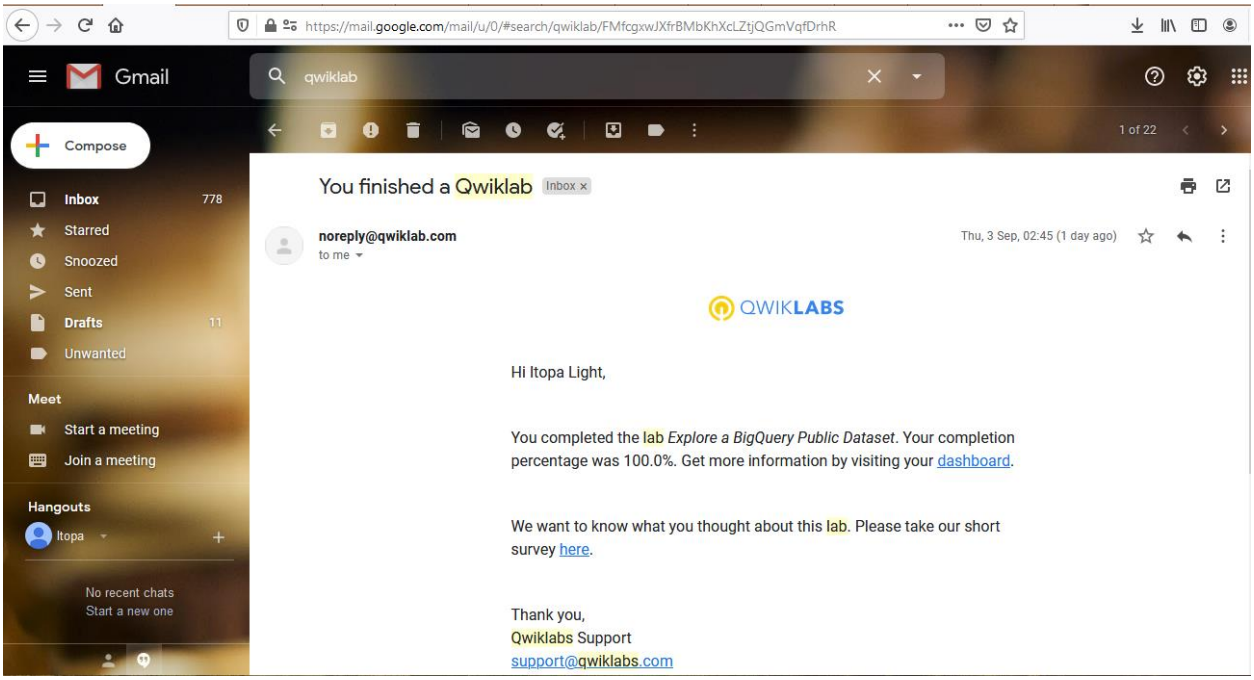


(5)GCP Fundamentals: Getting Started with Compute Engine





(6)Explore a BigQuery Public Dataset

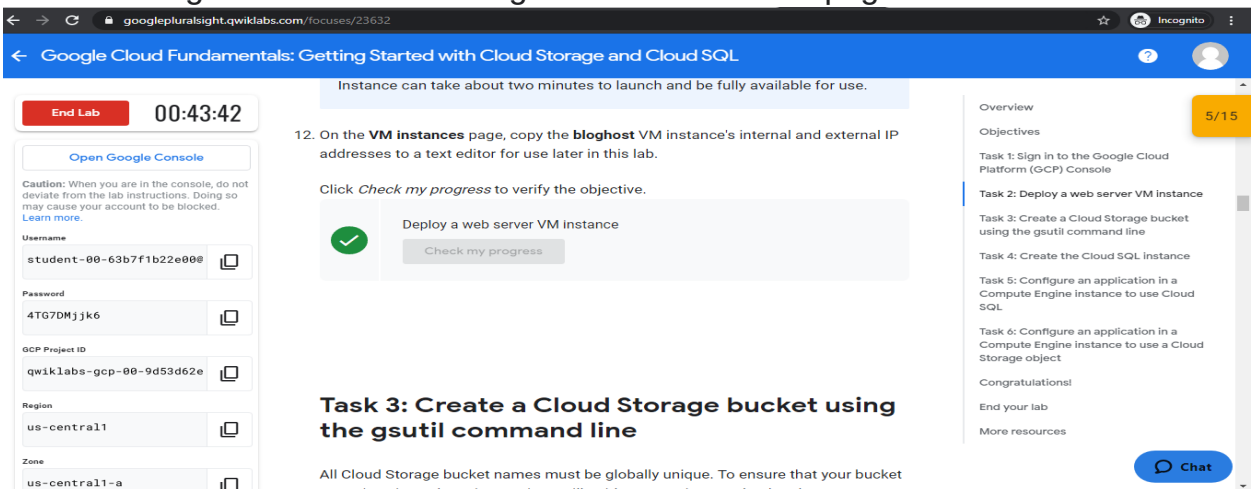


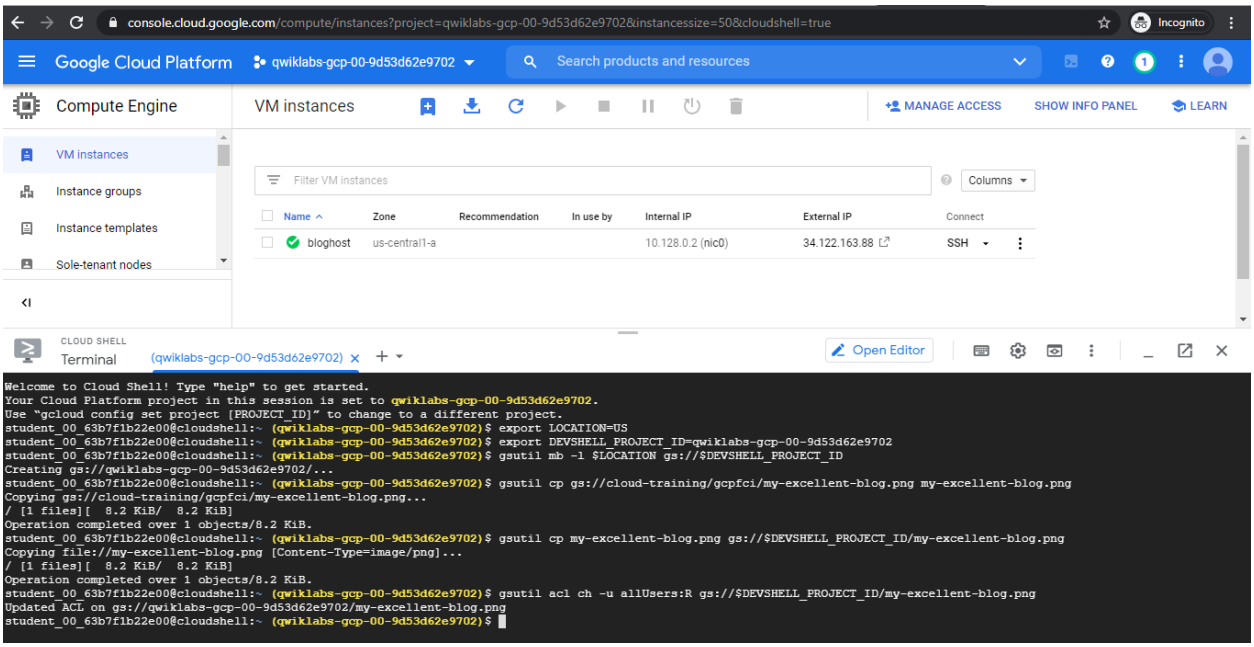
(7)Google Cloud Fundamentals: Getting Started with Cloud Storage and Cloud SQL

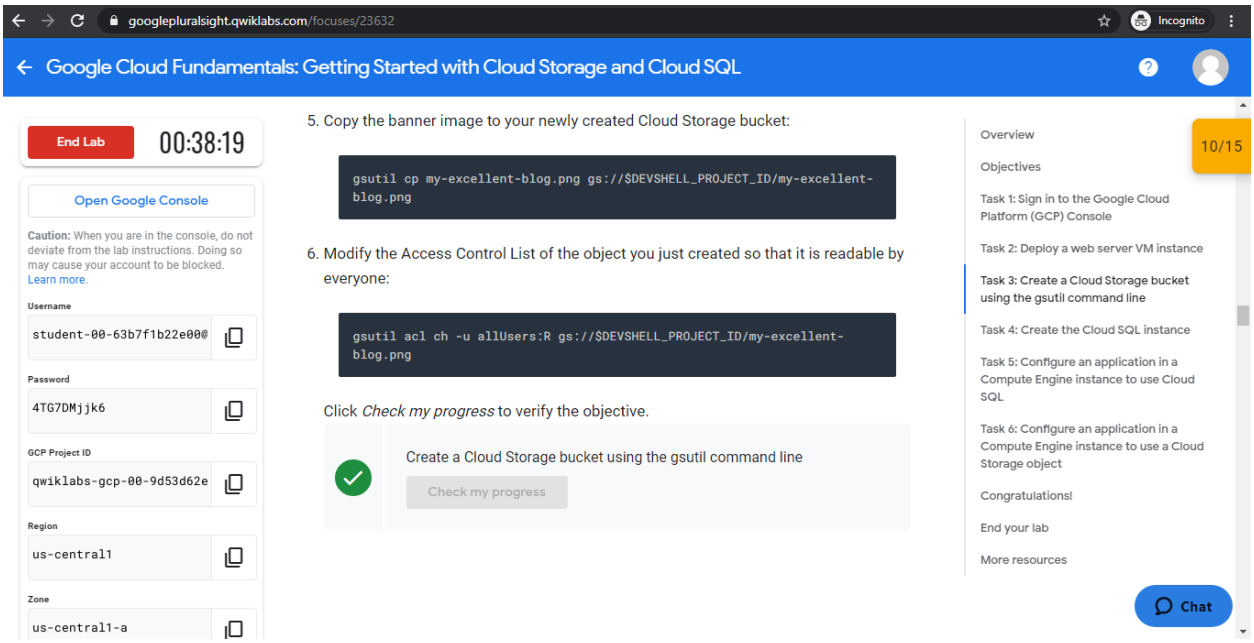
Objectives

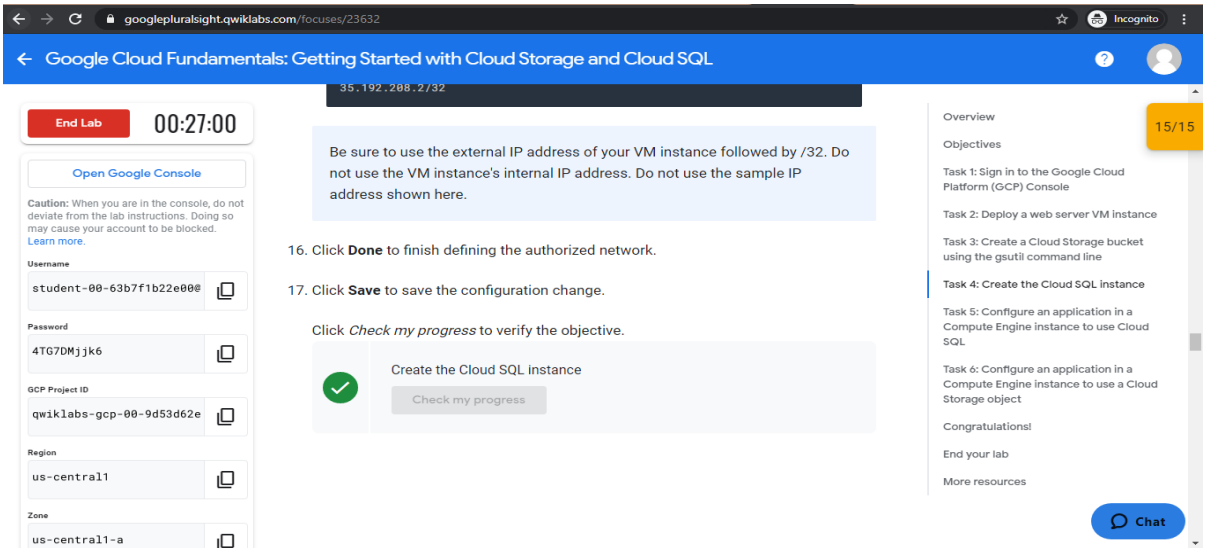
In this lab, you learn how to perform the following tasks:

- Create a Cloud Storage bucket and place an image into it.
- Create a Cloud SQL instance and configure it.
- Connect to the Cloud SQL instance from a web server.
- Use the image in the Cloud Storage bucket on a web page.

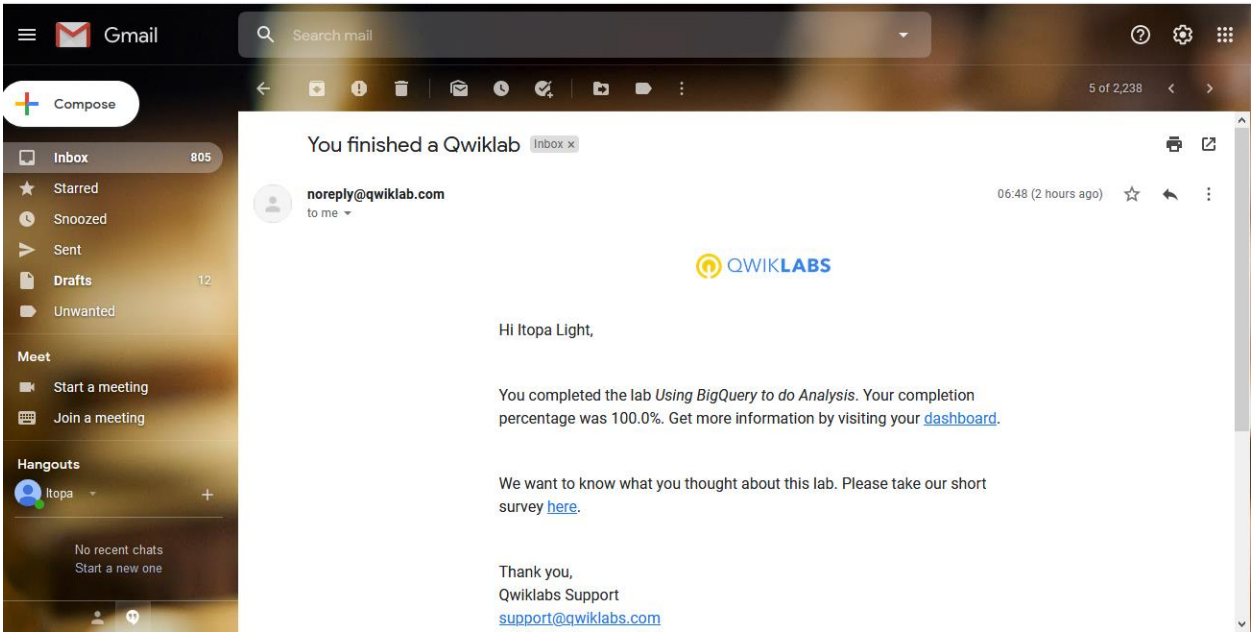





googlepluralsight.qwiklabs.com/focuses/23632
Incognito
Google Cloud Fundamentals: Getting Started with Cloud Storage and Cloud SQL
End Lab
00:38:19
Open Google Console
Caution: When you are in the console, do not deviate from the lab instructions. Doing so may cause your account to be blocked.
Learn more.
Username
student-00-63b7f1b22e00@
Password
4TG7DMjjk6
GCP Project ID
qwiklabs-gcp-00-9d53d62e
Region
us-central1
Zone
us-central1-a
5. Copy the banner image to your newly created Cloud Storage bucket:
gsutil cp my-excellent-blog.png gs://$DEVSHELL_PROJECT_ID/my-excellent-blog.png
6. Modify the Access Control List of the object you just created so that it is readable by everyone:
gsutil acl ch -u allUsers:R gs://$DEVSHELL_PROJECT_ID/my-excellent-blog.png
Click Check my progress to verify the objective.
Create a Cloud Storage bucket using the gsutil command line
Check my progress
Overview
10/15
Objectives
Task 1: Sign in to the Google Cloud Platform (GCP) Console
Task 2: Deploy a web server VM instance
Task 3: Create a Cloud Storage bucket using the gsutil command line
Task 4: Create the Cloud SQL instance
Task 5: Configure an application in a Compute Engine instance to use Cloud SQL
Task 6: Configure an application in a Compute Engine instance to use a Cloud Storage object
Congratulations!
End your lab
More resources
Chat


googlepluralsight.qwiklabs.com/focuses/23632
Incognito
Google Cloud Fundamentals: Getting Started with Cloud Storage and Cloud SQL
35.192.208.2/32
End Lab
00:27:00
Open Google Console
Caution: When you are in the console, do not deviate from the lab instructions. Doing so may cause your account to be blocked.
Learn more.
Username
student-00-63b7f1b22e00@
Password
4TG7DMjjk6
GCP Project ID
qwiklabs-gcp-00-9d53d62e
Region
us-central1
Zone
us-central1-a
Be sure to use the external IP address of your VM instance followed by /32. Do not use the VM instance's internal IP address. Do not use the sample IP address shown here.
16. Click Done to finish defining the authorized network.
17. Click Save to save the configuration change.
Click Check my progress to verify the objective.
Create the Cloud SQL instance
Check my progress
Overview
15/15
Objectives
Task 1: Sign in to the Google Cloud Platform (GCP) Console
Task 2: Deploy a web server VM instance
Task 3: Create a Cloud Storage bucket using the gsutil command line
Task 4: Create the Cloud SQL instance
Task 5: Configure an application in a Compute Engine instance to use Cloud SQL
Task 6: Configure an application in a Compute Engine instance to use a Cloud Storage object
Congratulations!
End your lab
More resources
Chat

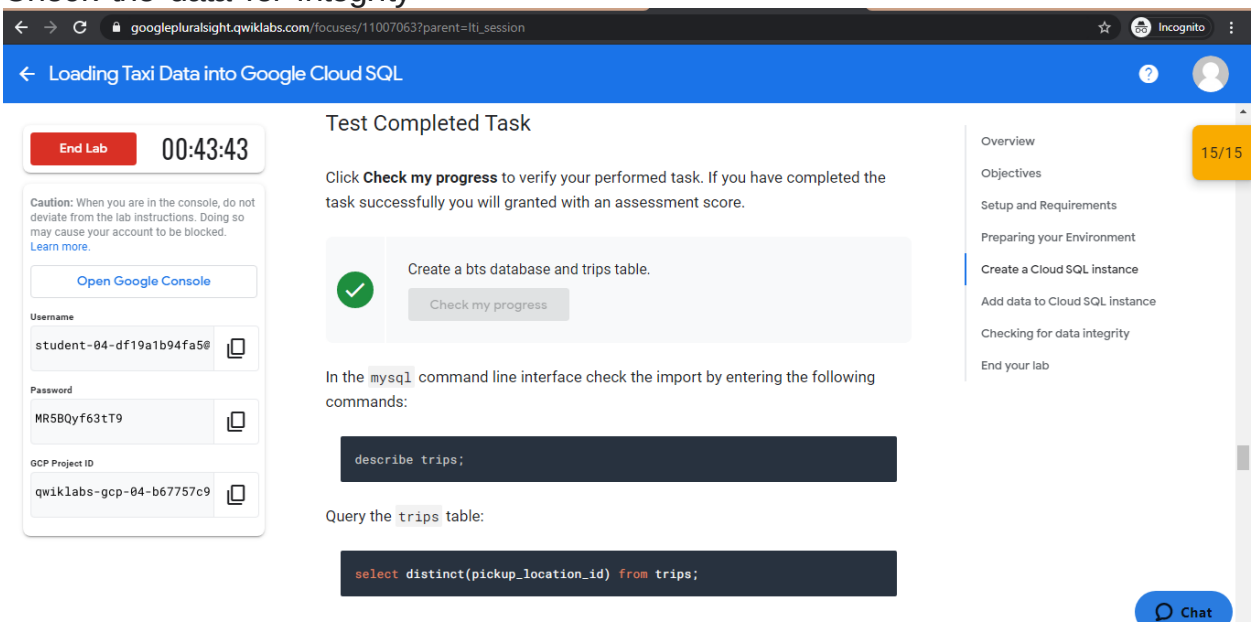
(8) Using BigQuery to Do Analysis



(9)Loading Taxi Data into Google Cloud SQL

Objectives

- Create Cloud SQL instance
- Create a Cloud SQL database
- Import text data into Cloud SQL
- Check the data for integrity



(10)Deploying Apps to Google Cloud

Objectives

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

- Download a sample app from GitHub
- Deploy to App Engine
- Deploy to Kubernetes Engine
- Deploy to Cloud Run