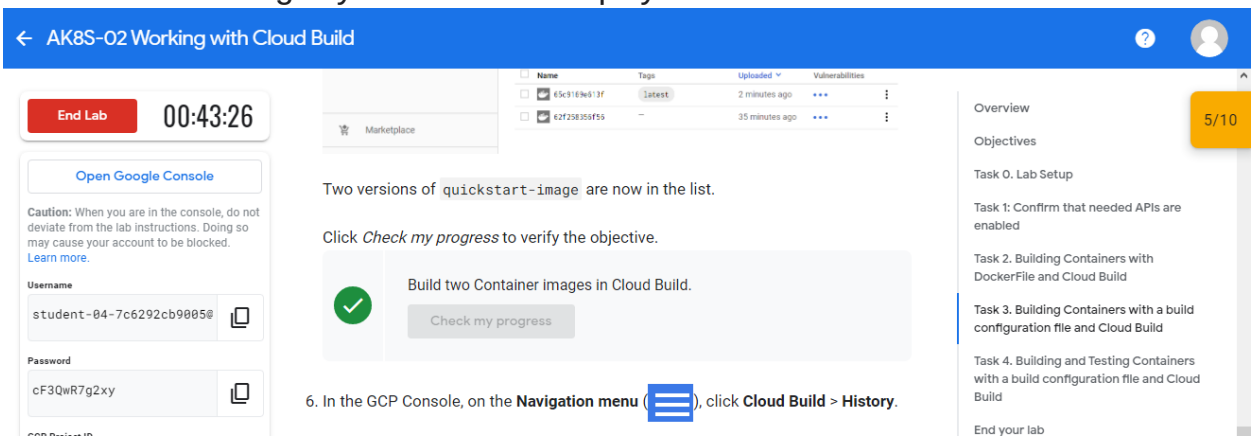
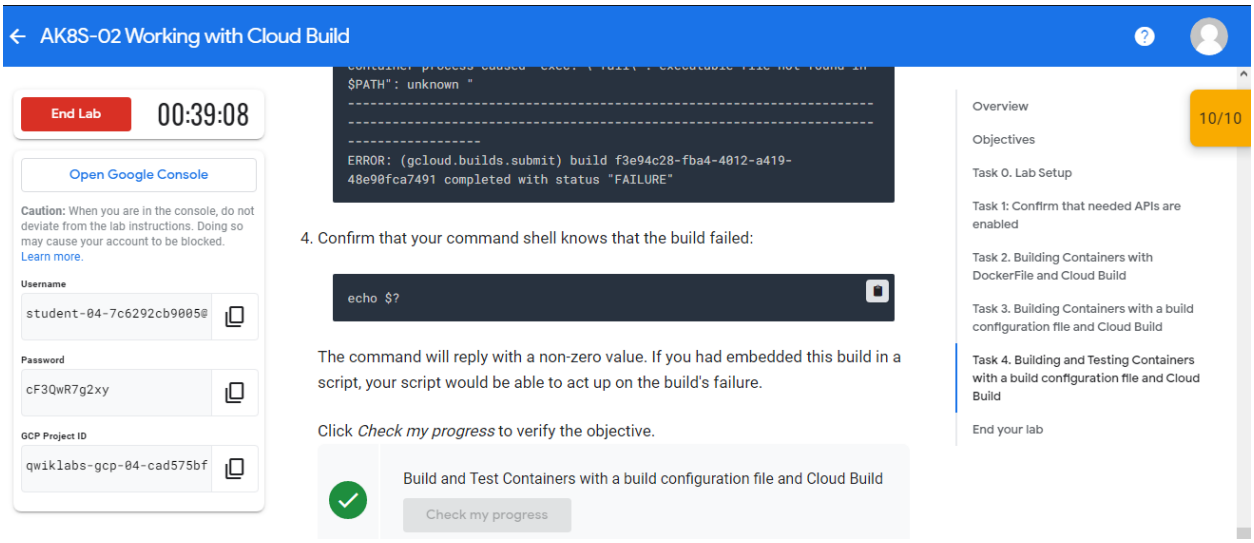
AK8S-02 Working with Cloud Build

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



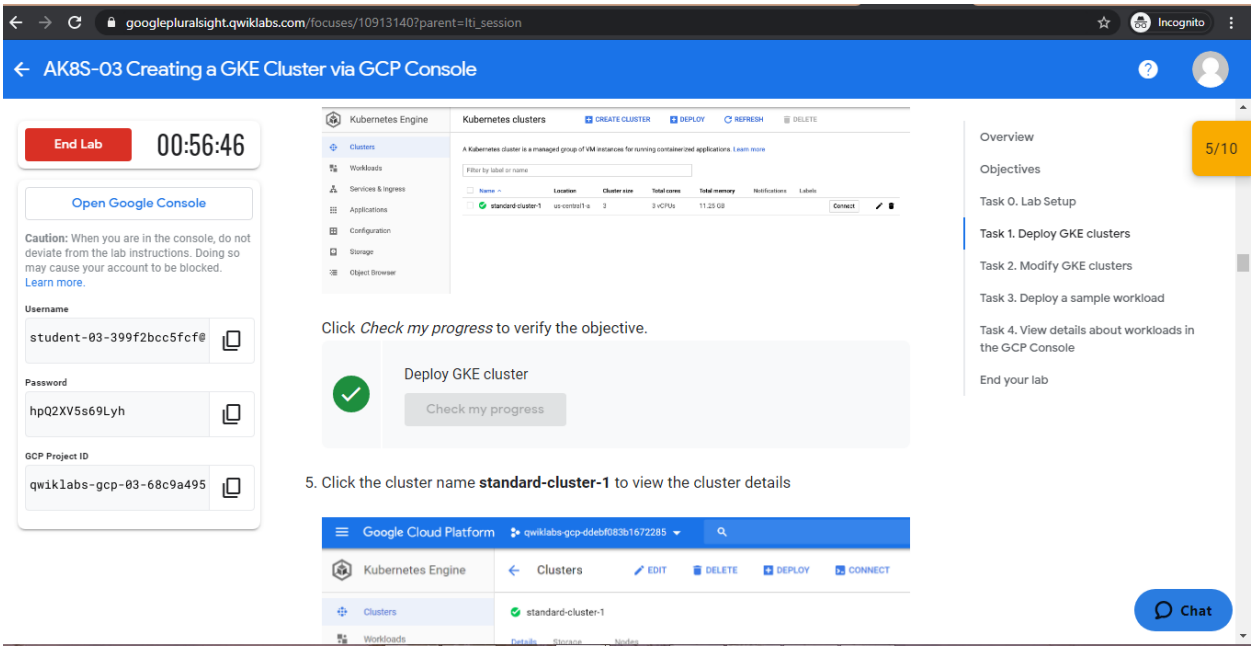


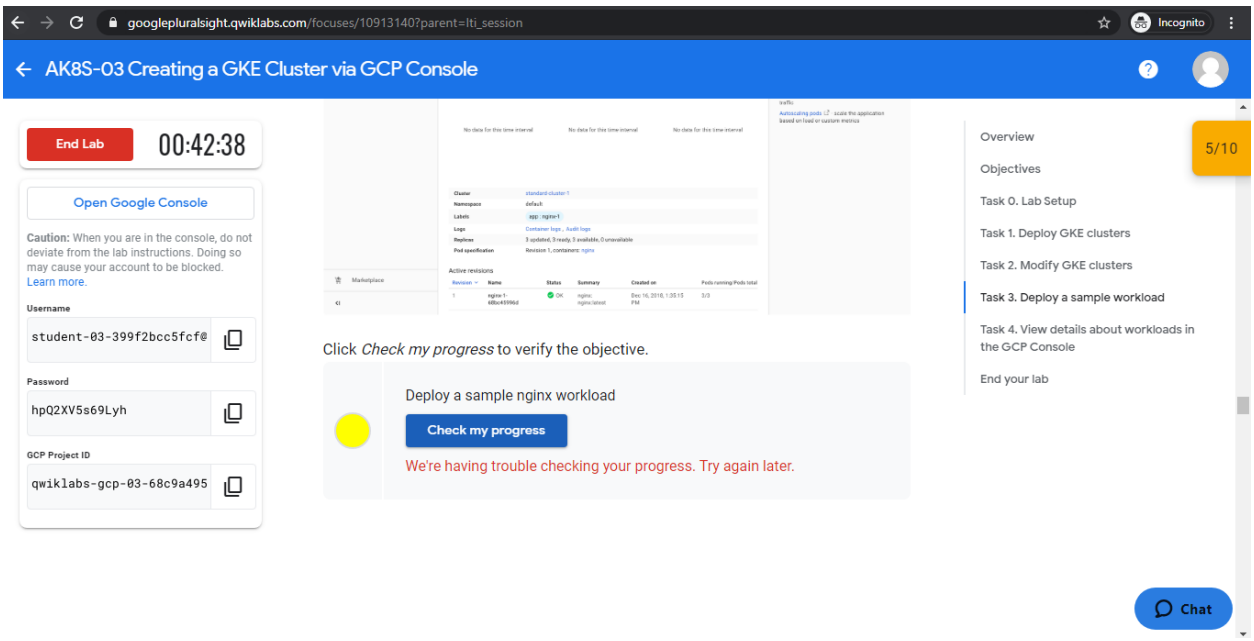
AK8S-03 Creating a GKE Cluster via GCP Console

Objectives

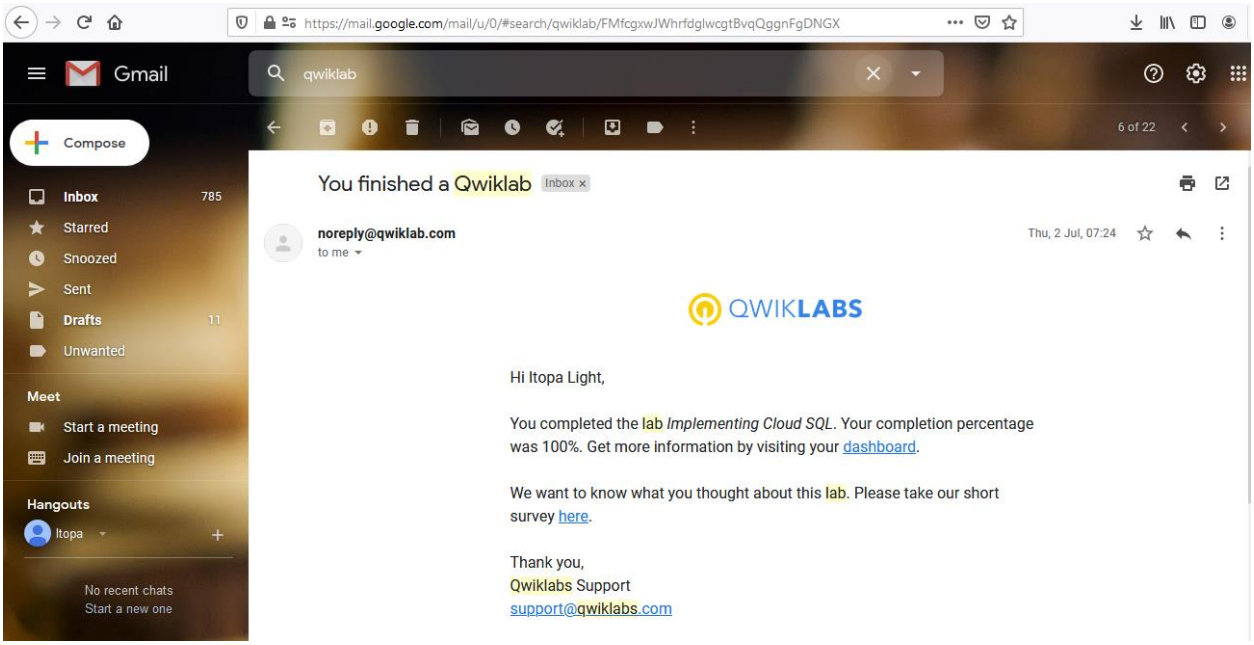
In this lab, you learn how to perform the following tasks:

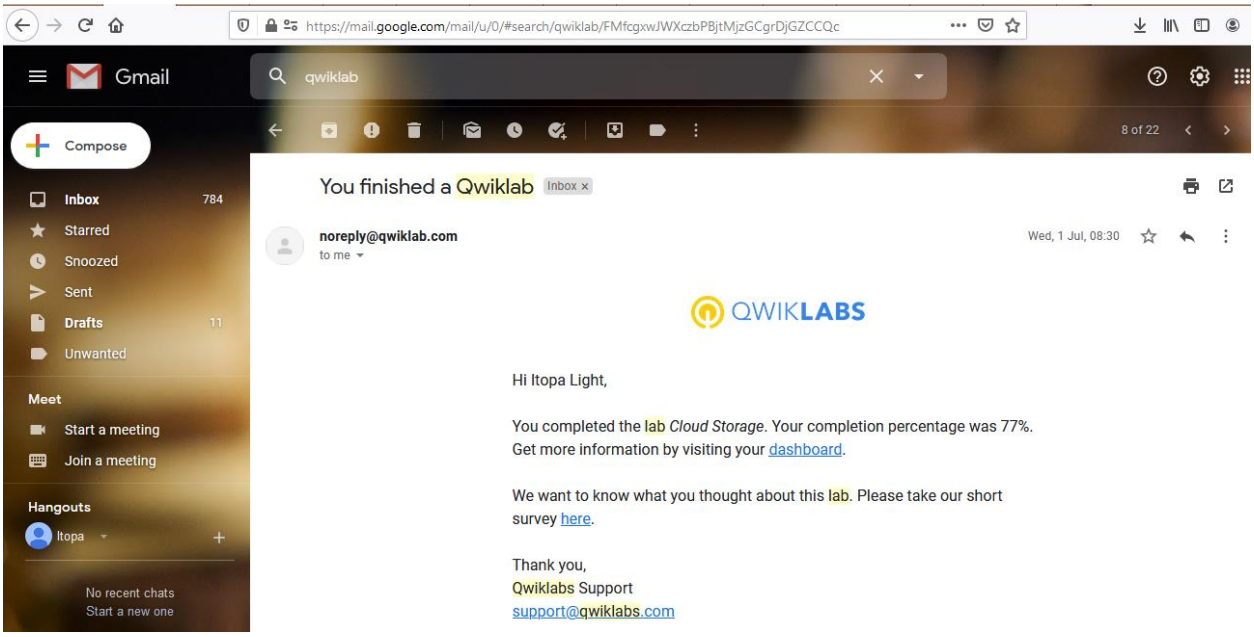
- Use the GCP Console to build and manipulate GKE clusters
- Use the GCP Console to deploy a Pod
- Use the GCP Console to examine the cluster and Pods



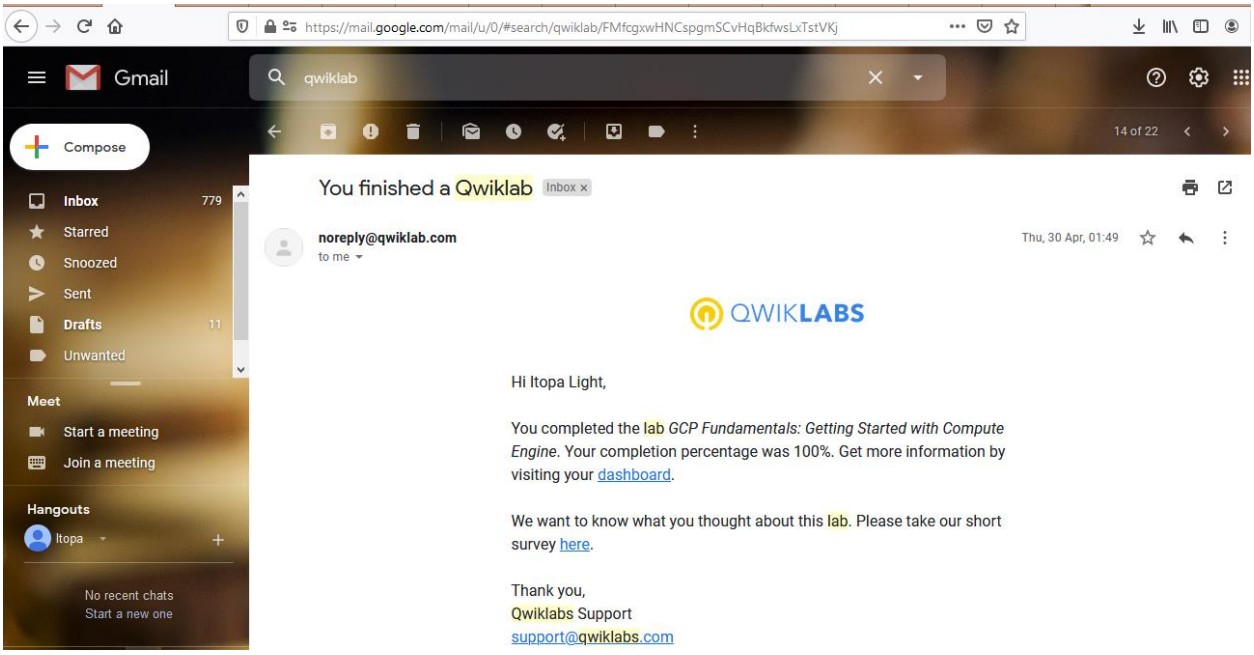


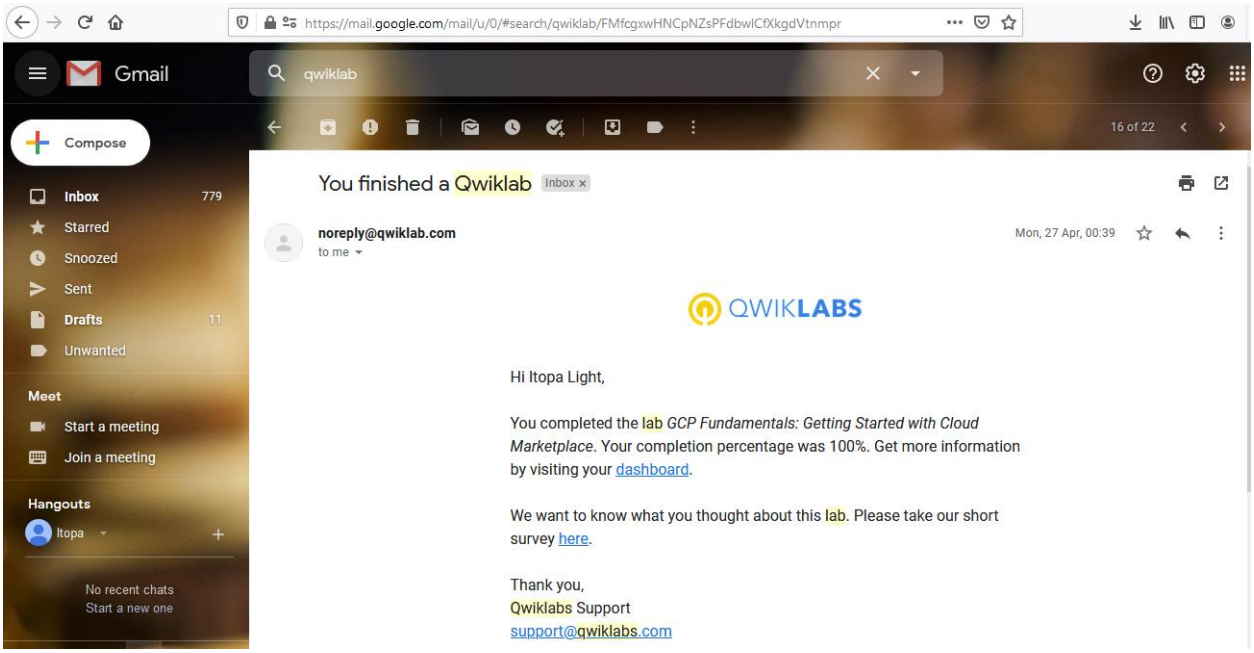
Implementing Cloud SQL



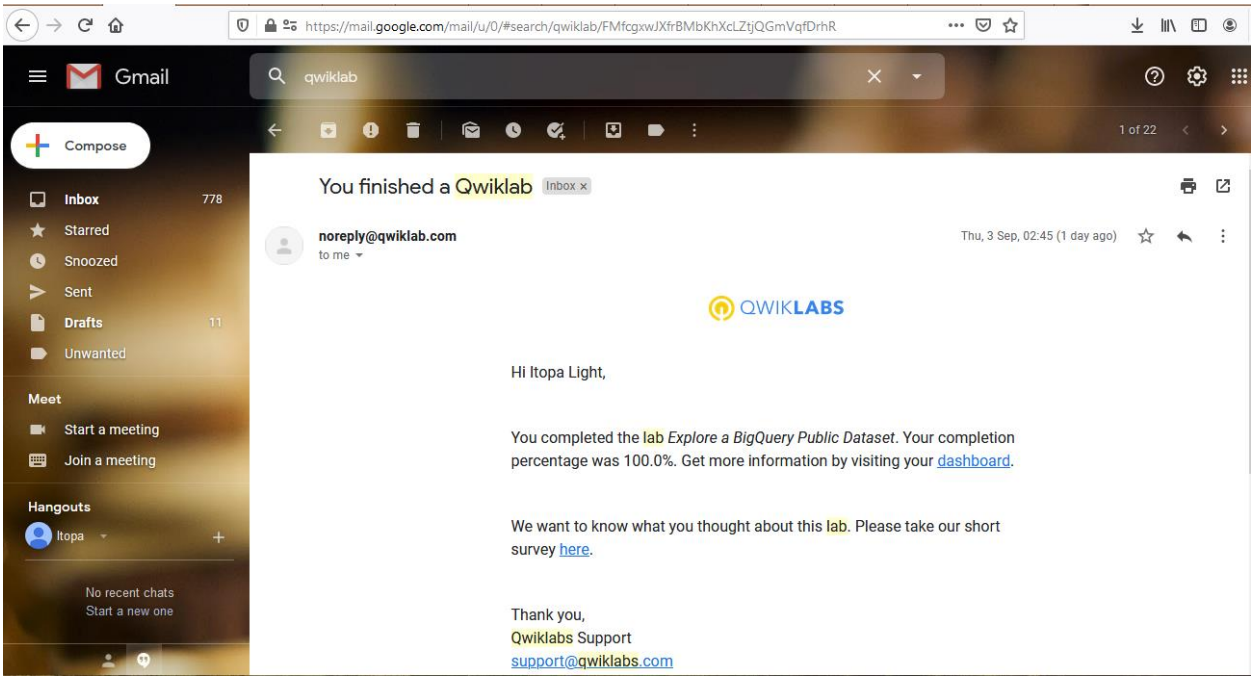


GCP Fundamentals: Getting Started with Compute Engine





Explore a BigQuery Public Dataset

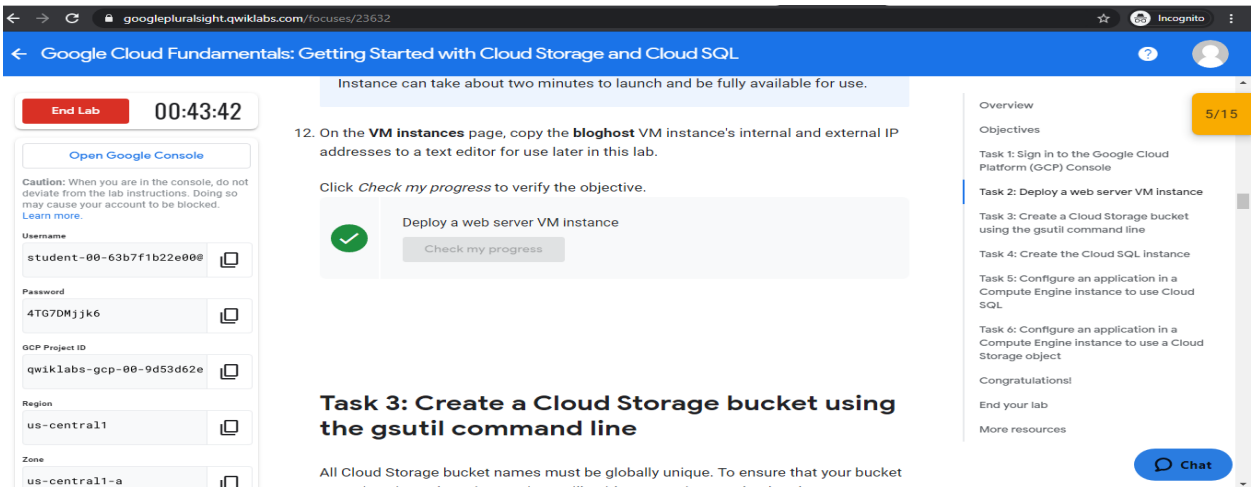


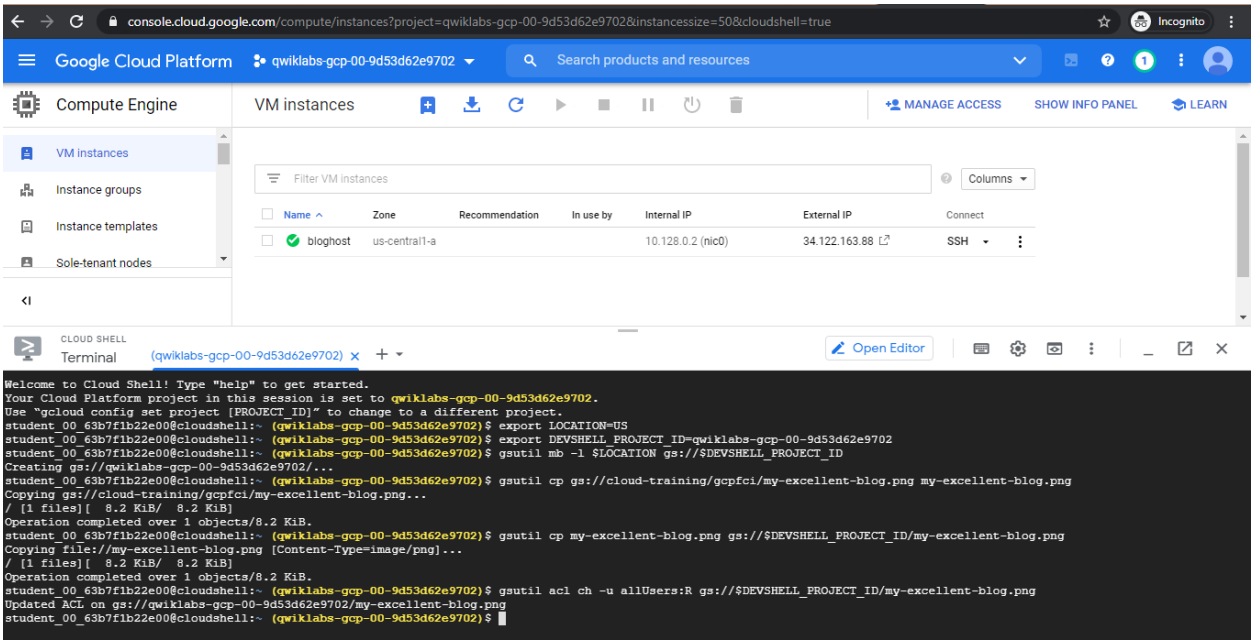
Google Cloud Fundamentals: Getting Started with Cloud Storage and Cloud SQL

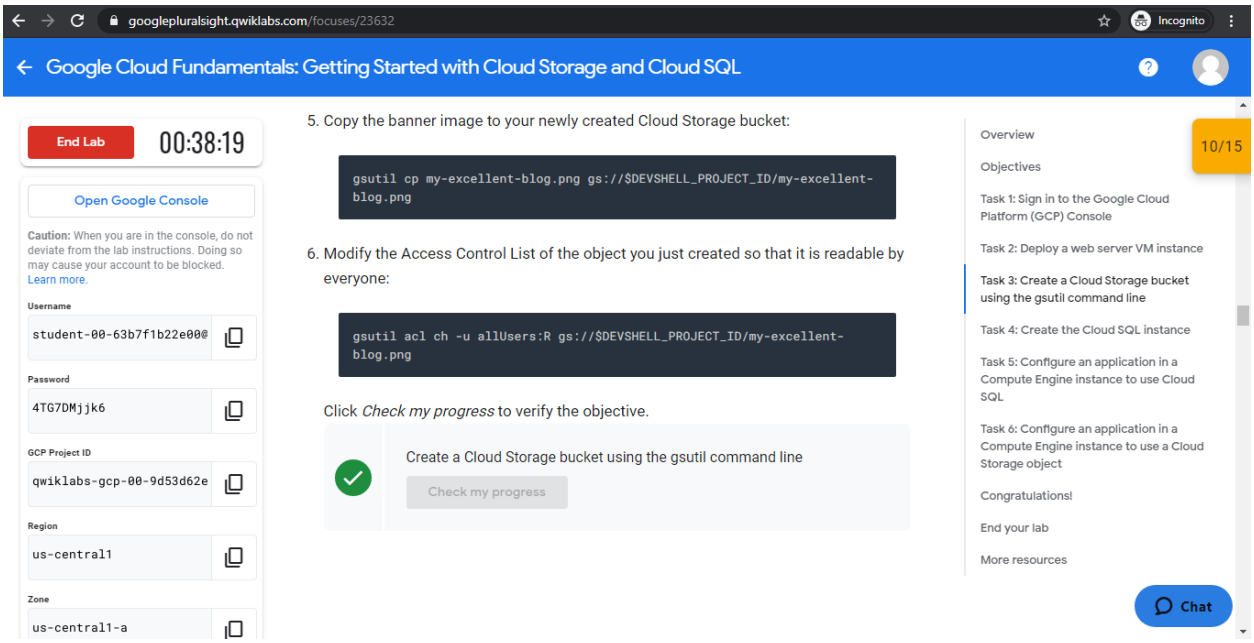
Objectives

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
00:43:42
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
Instance can take about two minutes to launch and be fully available for use.
12. On the VM instances page, copy the bloghost VM instance's internal and external IP addresses to a text editor for use later in this lab.
Click Check my progress to verify the objective.
Deploy a web server VM instance
Check my progress
Task 3: Create a Cloud Storage bucket using the gsutil command line
All Cloud Storage bucket names must be globally unique. To ensure that your bucket
Overview
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
5/15
Chat


console.cloud.google.com/compute/instances?project=qwiklabs-gcp-00-9d53d62e9702&instancessize=50&cloudshell=true
Incognito
Google Cloud Platform
qwiklabs-gcp-00-9d53d62e9702
Search products and resources
Compute Engine
VM instances
MANAGE ACCESS
SHOW INFO PANEL
LEARN
VM instances
Instance groups
Instance templates
Sole-tenant nodes
Filter VM instances
Columns
Name
Zone
Recommendation
In use by
Internal IP
External IP
Connect
bloghost
us-central1-a
10.128.0.2 (nic0)
34.122.163.88
SSH
CLOUD SHELL
Terminal
(qwiklabs-gcp-00-9d53d62e9702)
Open Editor
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to qwiklabs-gcp-00-9d53d62e9702.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
student_00_63b7f1b22e00@cloudshell:~ (qwiklabs-gcp-00-9d53d62e9702)$ export LOCATION=US
student_00_63b7f1b22e00@cloudshell:~ (qwiklabs-gcp-00-9d53d62e9702)$ export DEVSHELL_PROJECT_ID=qwiklabs-gcp-00-9d53d62e9702
student_00_63b7f1b22e00@cloudshell:~ (qwiklabs-gcp-00-9d53d62e9702)$ gsutil mb -l $LOCATION gs://$DEVSHELL_PROJECT_ID
Creating gs://qwiklabs-gcp-00-9d53d62e9702/...
student_00_63b7f1b22e00@cloudshell:~ (qwiklabs-gcp-00-9d53d62e9702)$ gsutil cp gs://cloud-training/gcpfci/my-excellent-blog.png my-excellent-blog.png
Copying gs://cloud-training/gcpfci/my-excellent-blog.png...
/ [1 files][8.2 KiB/ 8.2 KiB]
Operation completed over 1 objects/8.2 KiB.
student_00_63b7f1b22e00@cloudshell:~ (qwiklabs-gcp-00-9d53d62e9702)$ gsutil cp my-excellent-blog.png gs://$DEVSHELL_PROJECT_ID/my-excellent-blog.png
Copying file://my-excellent-blog.png [Content-Type=image/png]...
/ [1 files][8.2 KiB/ 8.2 KiB]
Operation completed over 1 objects/8.2 KiB.
student_00_63b7f1b22e00@cloudshell:~ (qwiklabs-gcp-00-9d53d62e9702)$ gsutil acl ch -u allUsers:R gs://$DEVSHELL_PROJECT_ID/my-excellent-blog.png
Updated ACL on gs://qwiklabs-gcp-00-9d53d62e9702/my-excellent-blog.png
student_00_63b7f1b22e00@cloudshell:~ (qwiklabs-gcp-00-9d53d62e9702)$


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
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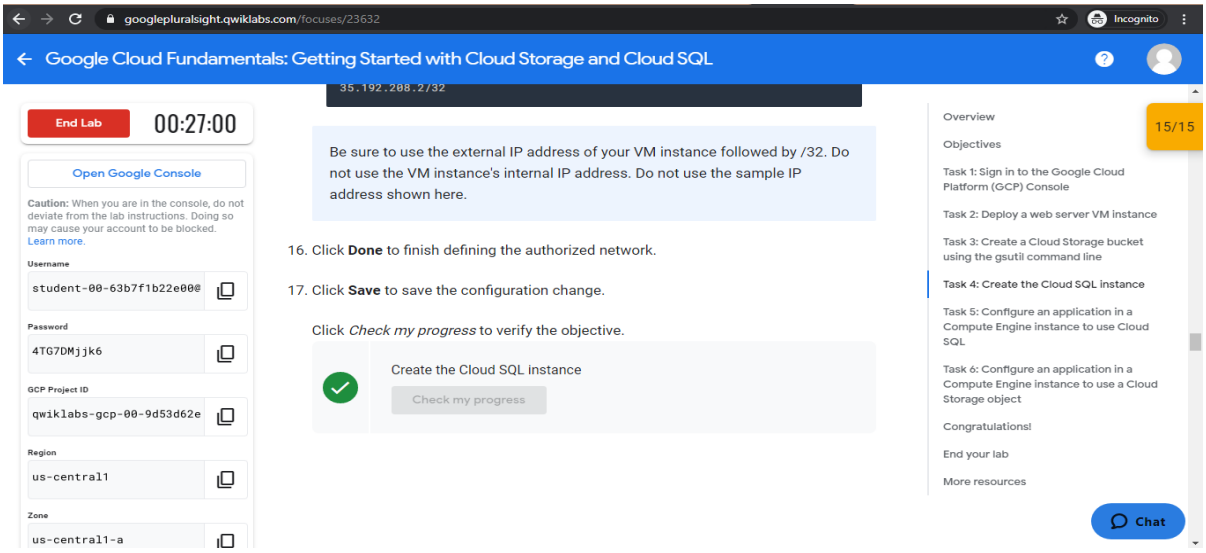
Task 4: Create the Cloud SQL instance
Task 5: Configure an application in a Compute Engine instance to use Cloud SQL
Task 6: Configure an application in a Compute Engine instance to use a Cloud Storage object
Congratulations!
End your lab
More resources
Chat


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