

Examining Billing data with BigQuery

The screenshot shows the Google Cloud Platform console with the BigQuery interface. The 'Query Editor' tab is active, displaying a SQL query to select billing data from the 'cloud-training-prod-bucket.arch_infra.billing_data' table. The query filters for costs greater than 0 and orders results by end_time in descending order, limited to 100 rows. The 'Run' button is highlighted. On the left, the 'Credentials' section shows the user 'student-02-2945299834cfe' and the project 'gwlkllabs-gcp-02-c6456c5c'. On the right, the 'Checkpoints' section shows two checkpoints, both with 'Check my progress' buttons and a '5/5' status. The top navigation bar shows the 'BigQuery - gwlkllabs-gcp-02-c6456c5c' project.

2.) setting up a development environment v1.1

Getting Started with Application | Getting Started with Application | App Dev: Setting up a Development Environment v1.1 | Google Cloud Platform

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App Dev: Setting up a Development Environment v1.1

8. To run a simple Node.js application that lists Compute Engine instances, execute the following command:

```
node list-gce-instances.js
```

Many details about your machine should appear in the terminal window.

Warning: If you try to do this on your own machine, it will not work if no credentials have been set up to access GCP on your machine.

End your lab

Checkpoints

- Create a Compute Engine Virtual Machine Instance Check my progress 5 / 5
- Install software on the VM instance Check my progress 5 / 5
- Clone the repository Check my progress 5 / 5

End your lab

Chat

3.) Console and Cloud Shell

Essential Google Cloud Shell | Essential Google Cloud Shell | Console and Cloud Shell | Quicklabs | Home - quicklabs-gcp-03-5d4e13c5

← → 🔄 googlecloudlight.quicklabs.com/focuses/10972561?parent=!!_session ⌵ ☆ ⚙ Incognito

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← Console and Cloud Shell

End Lab 00:17:34

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-a93-a9ad5a872f7f@

Password
5w6h4pPx

GCP Project ID
quiklabs-gcp-03-5d4e13c5

- To list available regions, execute the following command:


```
gcloud compute regions list
```
- Select a region from the list and note the value in the output. This value will be referred to as [YOUR_REGION] in the remainder of the lab.
- Create a bucket using the GCP Console
- Create a bucket using Cloud Shell
- Upload a file to Storage bucket

Create and verify an environment variable

- Create an environment variable and replace [YOUR_REGION] with the region you selected in the previous step:


```
INFRACLASS_REGION=[YOUR_REGION]
```
- Verify it with echo:


```
echo $INFRACLASS_REGION
```

Task 1: Create a persistent state in Cloud Shell

Task 2: Review the Google Cloud Interface

End your lab

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4.) Infrastructure Preview

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googlepluralsight.qwiklabs.com/focuses/10973109?parent=lti_session

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Infrastructure Preview

End Lab 00:19:41

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-02-4b6f6aae6a7b@

Password
hcGpw38Mr3

GCP Project ID
qwiklabs-gcp-02-5cc880c5

Infrastructure P

30 minutes Free ★★★★★ Rate Lab

Checkpoints

Launch Jenkins

Check my progress 10 / 10

Task 3: Administer the service

Task 4: Review

End your lab

Overview

In this lab, you build a sophisticated deployment in minutes using Marketplace. This lab shows several of the Google Cloud infrastructure services in action and illustrates the power of the platform. It introduces technologies that are covered in detail later in the class.

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5.) Creating Virtual Machines

Essential Google Cloud Infrastr... Pluralsight Creating Virtual Machines | Qwikl... Google Cloud Platform

googlepluralsight.qwiklabs.com/focuses/10973419?parent=lti_session

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Creating Virtual Machines

End Lab 00:17:45

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-03-bb5ff66dccab@

Password
Tp9Cw3GhN

GCP Project ID
qwiklabs-gcp-03-d649d54a

```
sudo dmidecode -t 17
```

```
nproc
```

```
lscpu
```

```
exit
```

4. To verify the number of processors, run the following command:

5. To see details about the CPUs installed on your VM, run the following command:

6. To exit the SSH terminal, run the following command:

Click *Check my progress* to verify the objective.

Checkpoints

Create a utility virtual machine

Create a Windows virtual machine

Create a custom virtual machine

Check my progress 5 / 5

Check my progress 5 / 5

Check my progress 0 / 5

End your lab

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