

# Lab0 - Start Guide

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## Lab Objectives

In this lab, you will:

- Launch your qa.qwiklabs lab
- Launch and configure Cloud Shell Editor in your lab environment ahead running subsequent course labs
- Download class files into your lab virtual machine

## Teaching Points

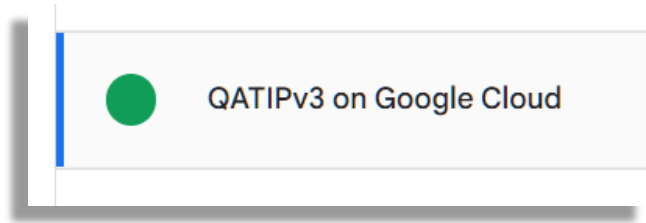
This lab will give you access to your lab environment. It should be run at the beginning of the class before attempting any other activities. The lab environment has a time limit of 9 hours after which it will be decommissioned. At this point you will need to run this lab again.

## Before you begin

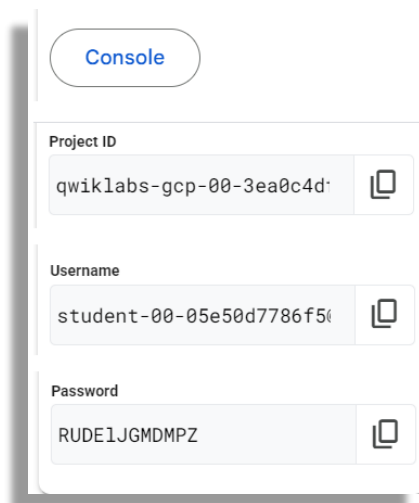
This is the first lab of the class and is actioned from your local machine. It is recommended that you close any open applications and browser sessions before beginning.

## Set up your Lab environment

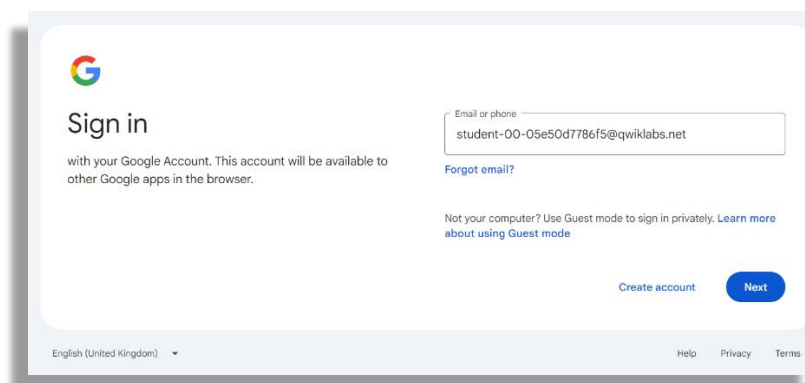
1. Ensure you have created a qa.qwiklabs account via <https://qa.qwiklabs.com> and notified the instructor of your username
2. Access the provisioned course and launch the “**QATIPv3 on Google Cloud**” lab by selecting the link and then clicking on **Start Lab**.



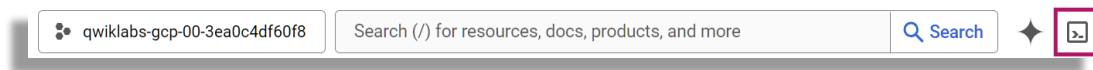
3. Once initialized, access your GCP project via the Console link. Note your credential information is available here (you may need to scroll down) and can be copied onto your clipboard using the copy icon...



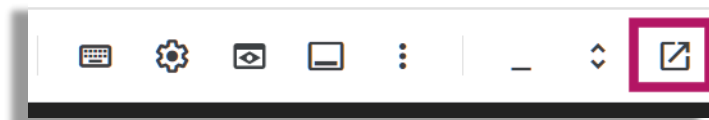
4. **You will need to this information for subsequent labs so take a note of your Project ID, username and password now rather than having to return to the qa.qwiklabs portal during the day.**
5. A new session window will open. Log in using the Username and password provided to access your Google cloud project Welcome screen. Acknowledge any license agreement prompts...



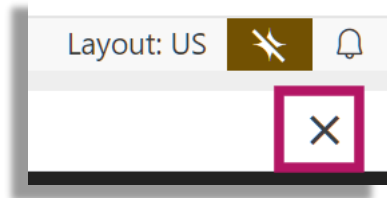
6. Open the cloud shell..



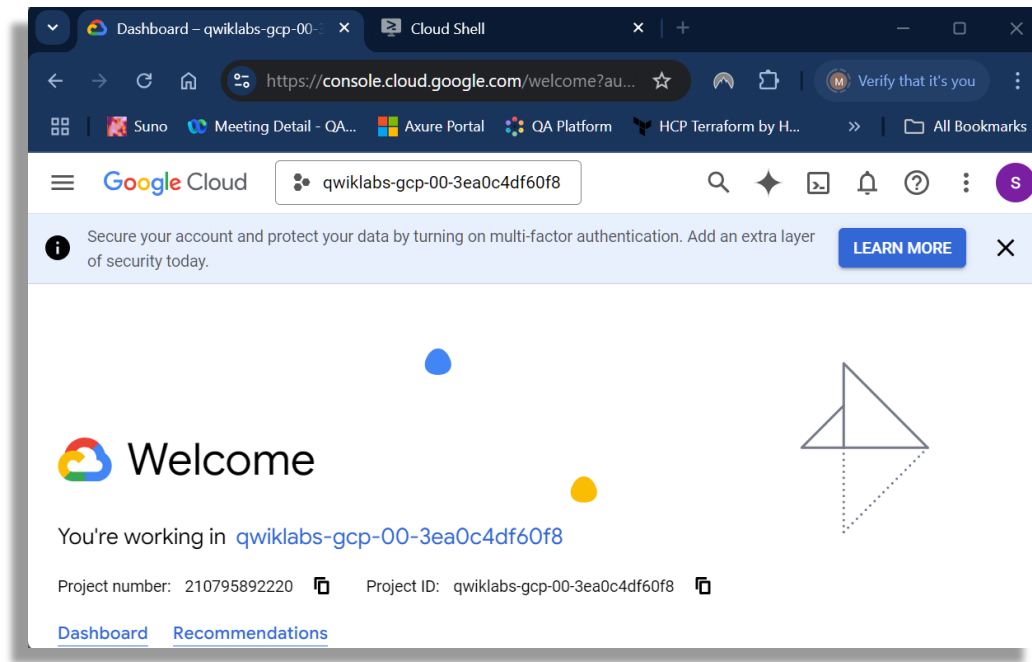
7. Open in new window...



8. You will be switched to a new tab. Switch back to first tab and close shell...



9. This tab will be referred to as your **Dashboard** or **Console** and its here you will review resources created using terraform..



10. Switch to Cloud Shell tab. This will be referred to as your **IDE**.

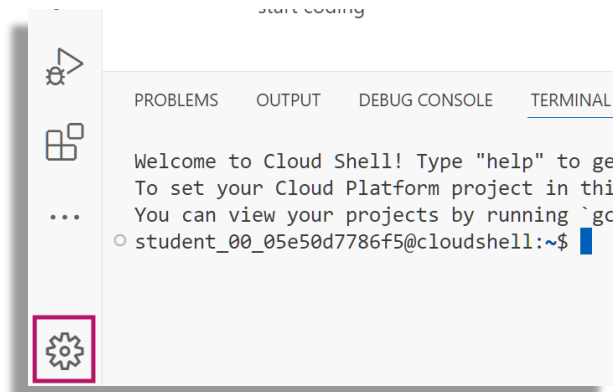
11. Open the editor...




12. Close the terminal...



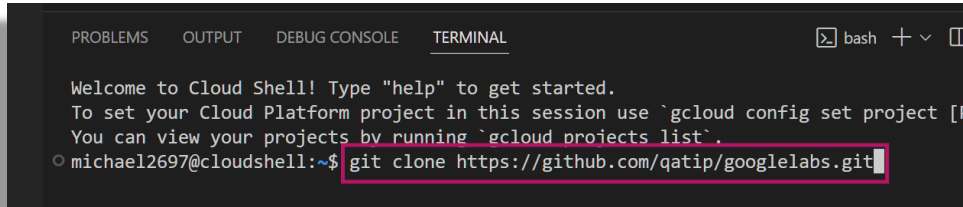
13. Use Setting to configure a theme of your choice..



14. Open a terminal session *within* Cloud Shell Editor using the hamburger menu  **Terminal, New Terminal**, or by pressing **ctrl+shift+c**..

15. Clone the course github repository

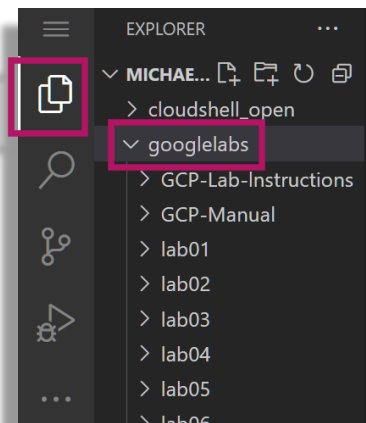
**git clone https://github.com/qatip/googlelabs.git**



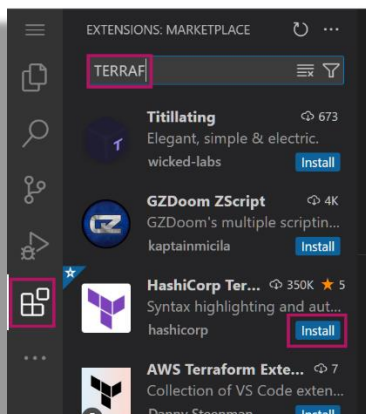
```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL
Welcome to Cloud Shell! Type "help" to get started.
To set your Cloud Platform project in this session use `gcloud config set project [PROJECT_ID]`
You can view your projects by running `gcloud projects list`.
○ michael2697@cloudshell:~$ git clone https://github.com/qatip/googlelabs.git
  
```

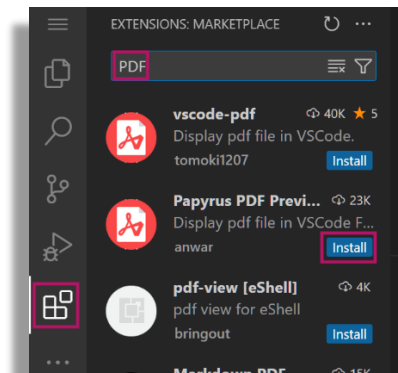
16. Open file Explorer and verify the folder **googlelabs** is present...



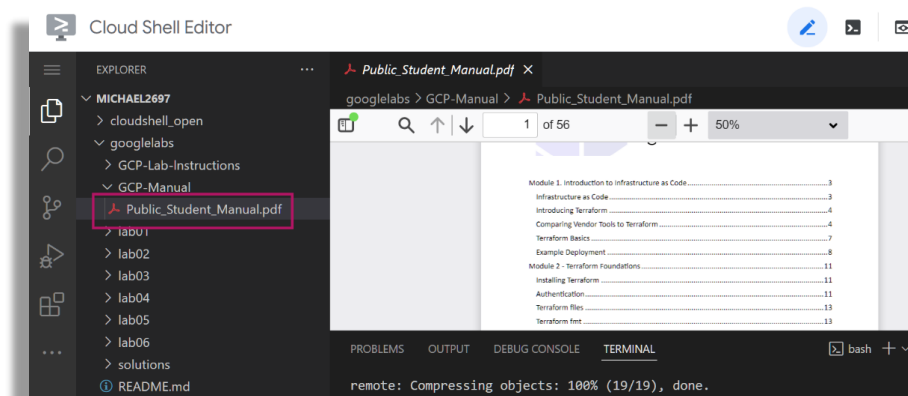
17. Add the Terraform extension...



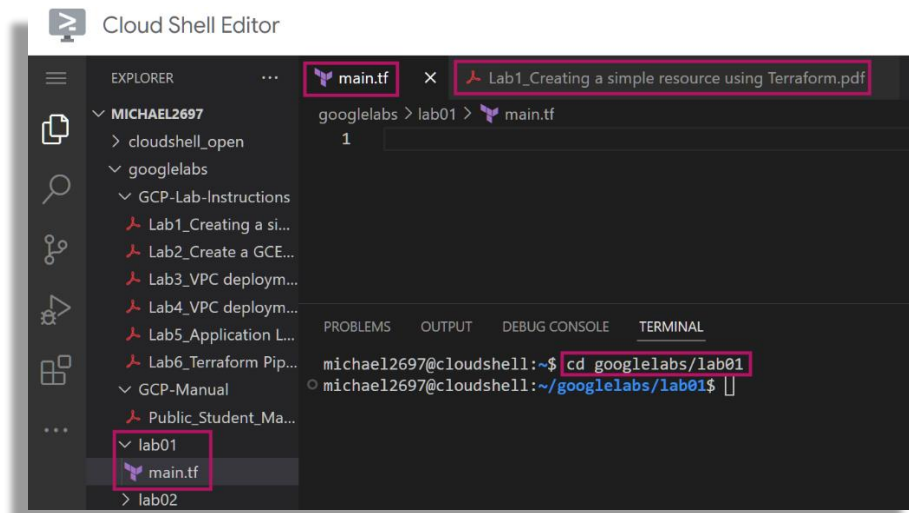
## 18. Add Papyrus PDF extension...



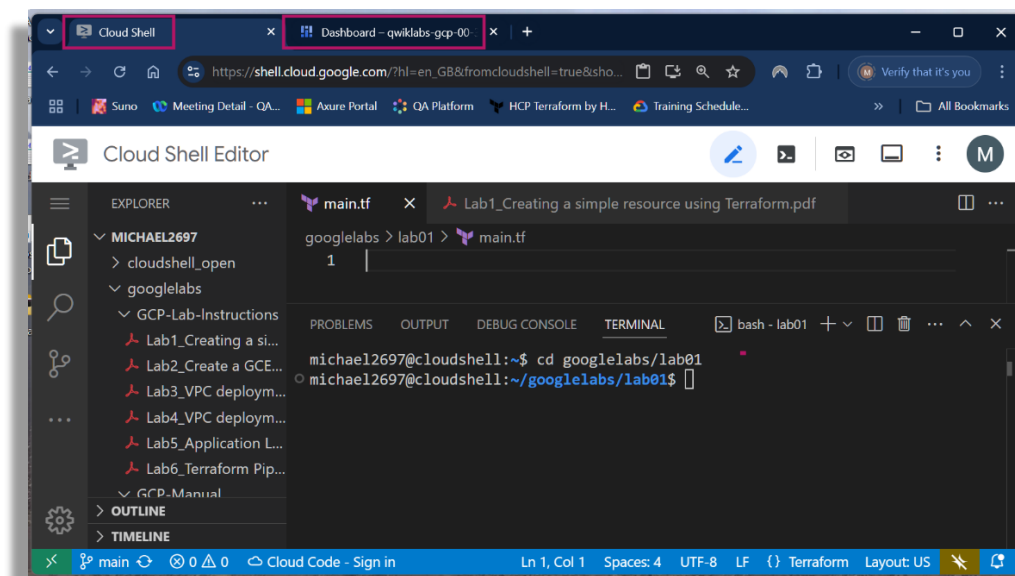
## 19. Verify you can view your course PDFs in the IDE....



20. As you perform course labs, change to the appropriate directory in the terminal session. It is here that we will run Terraform commands. Use Explorer to navigate to the appropriate lab instructions PDF. Select it to view and copy/paste from, as the lab dictates. View any pre-provisioned files for the lab in the Lab## folder. Select to view/edit...



21. You can close any qa.qwiklabs tabs in your browser, leaving you with an IDE tab and a **Dashboard/Console** tab....



**## Congratulations, you have completed this lab ##**