Lab0 - Start Guide

Contents

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
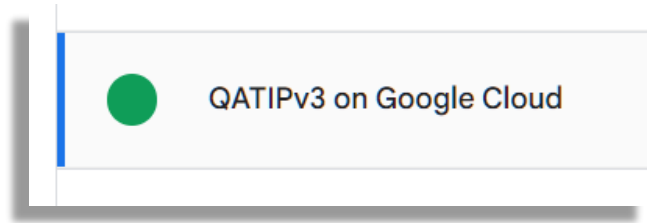
Teaching Points

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.
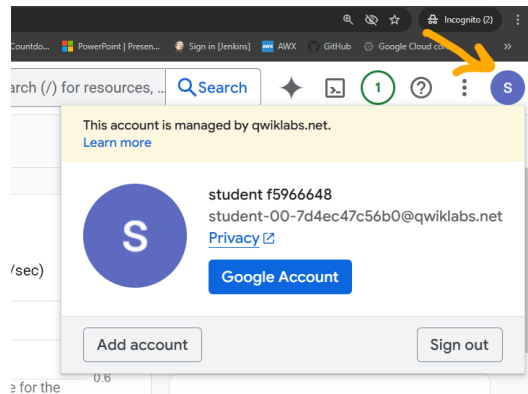
Before you begin

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.
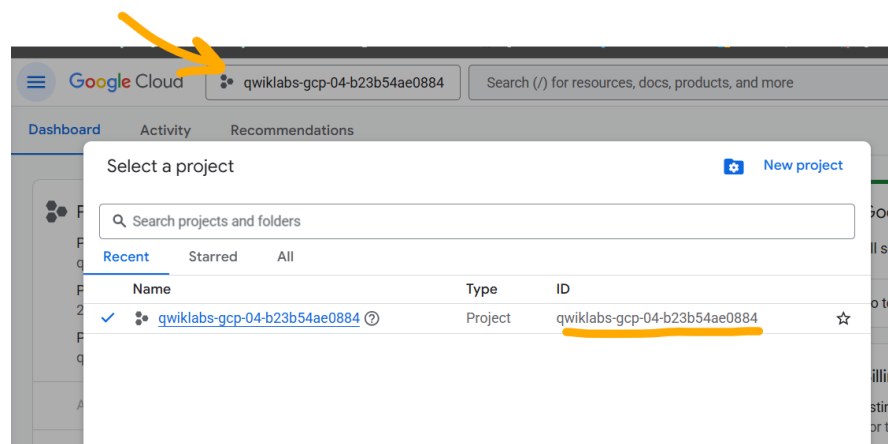
Set up your Lab environment

1. Open an **incognito/private** browser session and navigate to https://qa.qwiklabs.com. Create a new account and notify the instructor of your username.

2. Once notified that your name has been added to the course attendee list, refresh your browser session and launch the "**QATIPv3 on Google Cloud**" lab by selecting the link and then clicking on **Start Lab**.
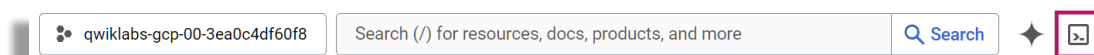
QATIPv3 on Google Cloud

3. Once initialized, access your GCP project by right-clicking over the 'Console' link and selecting 'open link in new tab' .

4. A new session window will open, and you will be logged in.

5. You can identify your username by clicking on the user icon top-right..

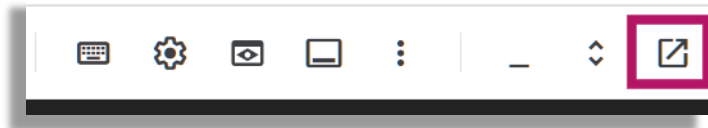

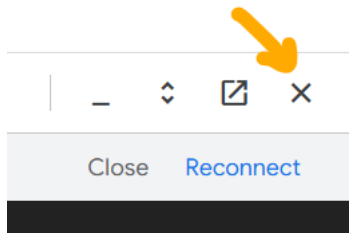6. You can identify your project id by clicking on the project selector ..

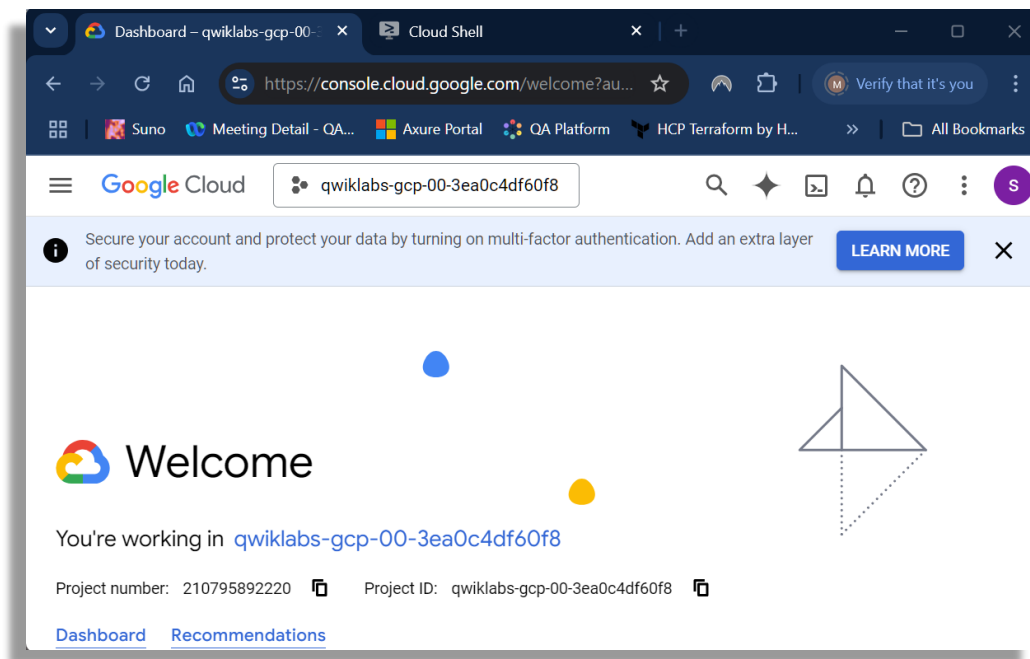7. Open the cloud shell and authorize as prompted..

8. Open in new window…

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

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

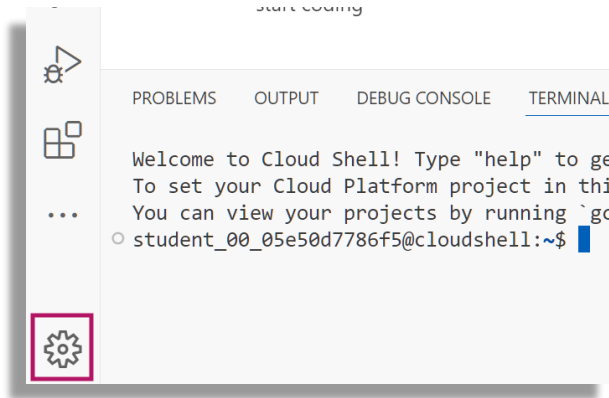11. Switch to Cloud Shell tab. This will be refered to as your **IDE**.

12. Open the editor…

13. Close the terminal…

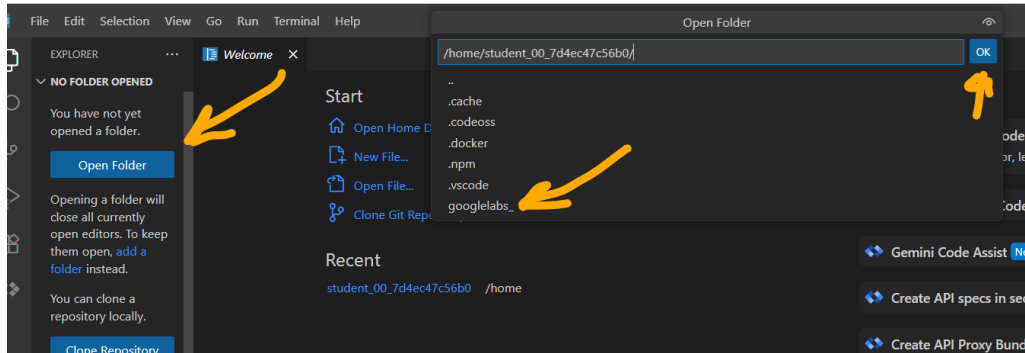14. Use Setting to configure a theme of your choice..

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

16. Press **ctrl+alt+b** to hide/display the secondary sidebar on the right.

17. Clone the course github repository by entering the following into the terminal

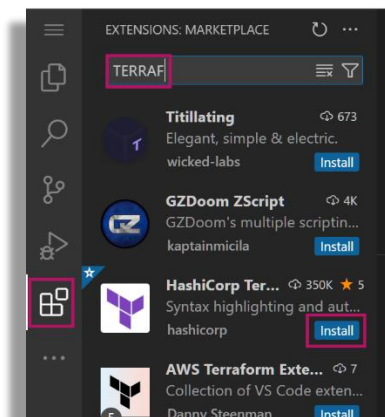   git clone https://github.com/qatip/googlelabs_.git

18. Click on 'Open Folder', select googlelabs_ and then click on ok..
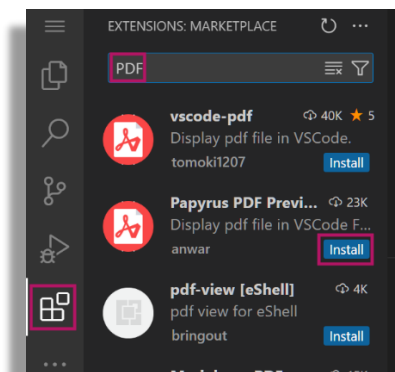
19. Use **ctrl+shift+c** and **ctrl+alt+b** again to show terminal and hide sidebar

20. Hidden file visibility is set to 'Off' by default in Cloud Shell Editor. Toggle this to 'On' using the menu option.. 'View' then 'Toggle Hidden Files'
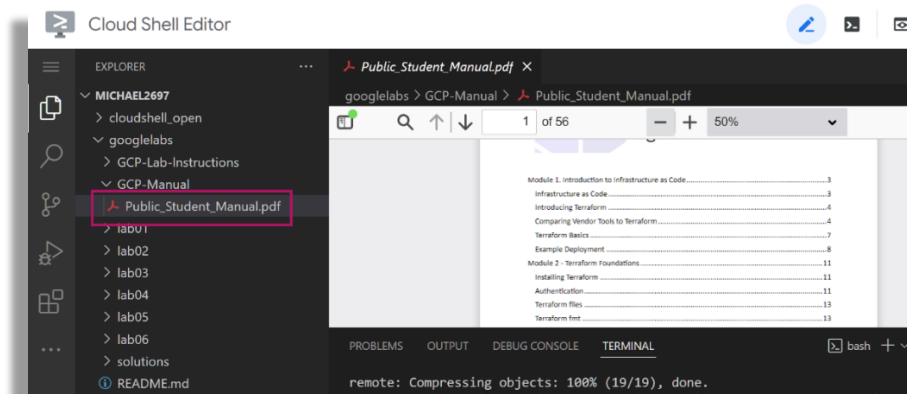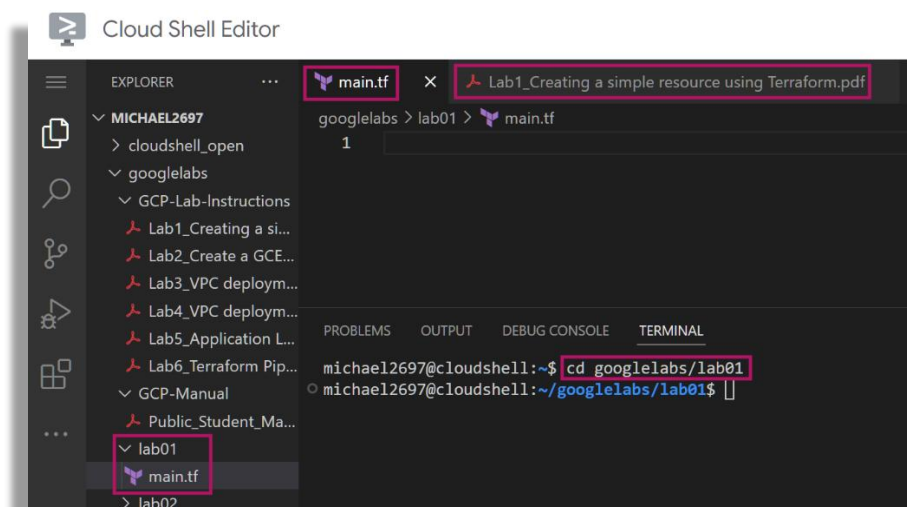
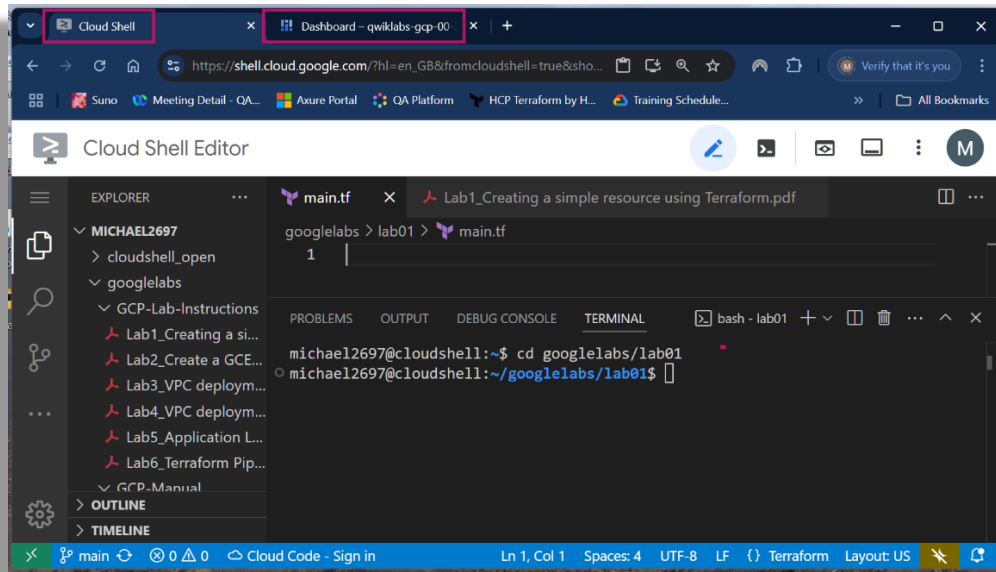21. Add the Terraform extension…

22. Add Papyrus PDF extension…

23. Verify you can view your course PDFs in the IDE….

24. 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…

25. 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