Lab0. Initial access to AWS Console and Cloud9 IDE.

This initialization lab will provision you with an AWS account and access to the AWS console via your local web browser. It will also provision a Cloud9 instance that will act as your Integrated Development Environment (IDE).

Access the lab environment

1. Close any browser sessions/tabs that you may have open other than the one displaying this document.

2. Navigate to https://qa.qwiklabs.com and log into the account you should have created prior to joining the class. (Speak to the instructor if you do not have an account)

3. You should see your course in progress

4. In the Labs tab, click on the lab you are attempting

Start Lab

1. Launch your lab by choosing `**Start Lab**`

2. This starts the process of provisioning your lab resources. An estimated amount of time to provision your lab resources is displayed. You must wait for your resources to be provisioned before continuing. Once initialized, information regarding your provisioned AWS account will be displayed...

3. For future reference, record and save the following information in the provided **session-info** file, using the copy option to avoid typos;

Username: {your username}
Password: {your password}
AWS Access key: {your Access key}
AWS Secret key: {your Secret key}

4. Ensure you have no active AWS sessions open in any other browser tabs and then Open your lab by choosing `**Open Console**`…

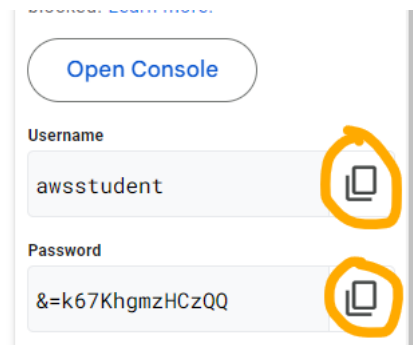5. The AWS Management Console sign-in page opens in a new web browser tab. On the Sign in as IAM user page, enter '**awsstuden**t' as the username

and use the password displayed on the left side of the lab page (use the copy option if preferred) ….

6. The AWS Console Home screen will now be displayed. On the AWS Console tab, enter "**Cloud9**" in the search bar and then select **Cloud9** from the list of services…
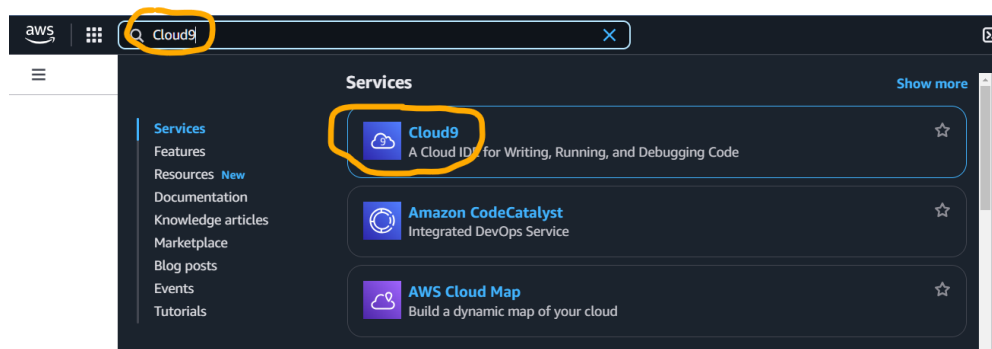

7. A listing of AWS Cloud9 environments is now displayed. An environment named **Terraform Lab** has been created for you. To access the IDE, click on "**Open**"….
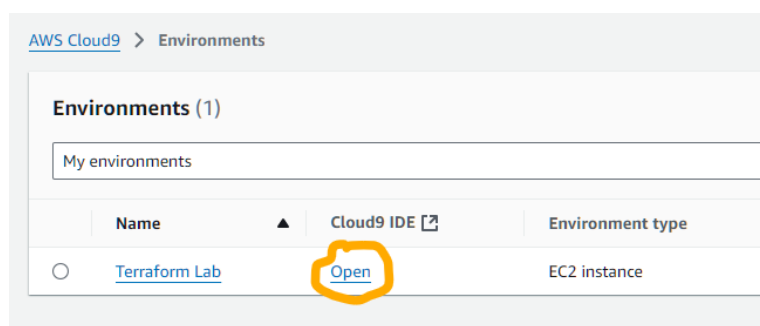

8. A new browser tab will open giving you access to the Cloud9 IDE.

9. Provided you have recorded your session information, you can now safely close the 2 qa.qwiklabs browser tabs. You should now a tab open accessing

the AWS console, currently listing your Cloud9 environments, and another accessing the Terraform Lab IDE. Should you inadvertently close these tabs at any point then simply open a new tab, browse to https://aws.amazon.com/console and log in using the information in your **session-info** file.
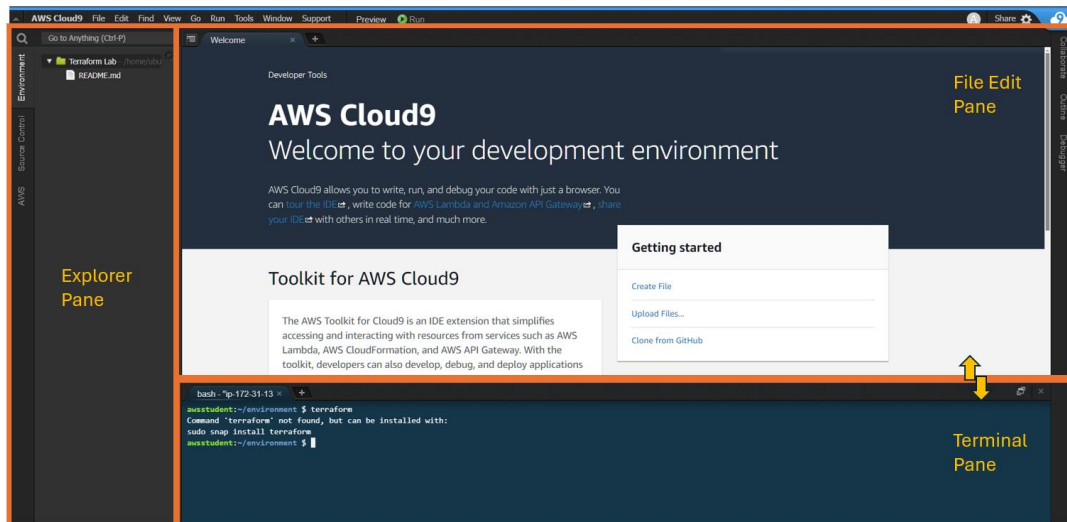
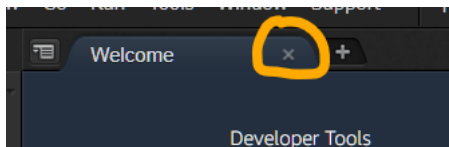10. On the AWS **console** tab click on the AWS logo to return to Console Home…
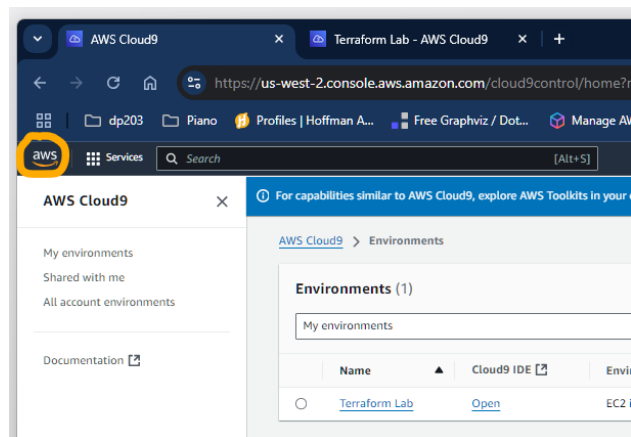
11. This tab will be referred to as '**the console**' throughout all labs…
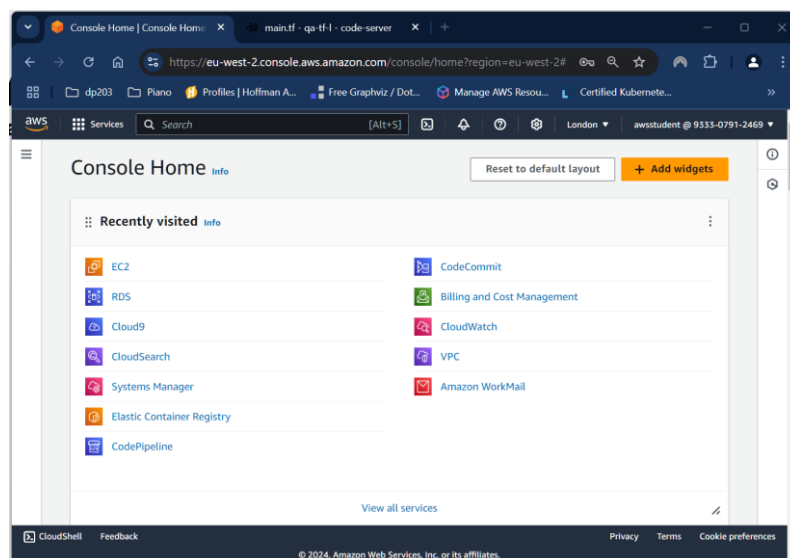
12. The second tab is your Cloud9 IDE, and it is here where you will write and run your terraform code. Throughout the labs, this will be referred to as '**the IDE**' ….

13. In the IDE, close the Welcome page…

14. Enter the following command into the terminal window and press enter (**copy** this command rather than **clicking** on it. Clicking on it will open up the repository. If you do this inadvertently then just use your browser's 'back' button to return to this document) …

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

15. In your home directory, there should now be a folder called **awslabs** with subfolders named 01, 02, 03 etc. These can be viewed in the Explorer pane...
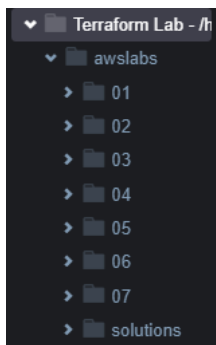
16. To install the Terraform client, enter the following command into the terminal…

sudo snap install terraform --classic

17. To verify the installation, type the following command …

terraform -version

18. Clear the content of the terminal pane by typing the word **clear** and pressing enter. Use this command throughout the labs to declutter the display, as necessary. When in the terminal, you can use your **up** and **down** keys to recall previous commands rather than having to retype then. If you want to get to a clean prompt then simply press **Ctrl+c** together to 'escape' rather than having to delete the current command. Practice these options now as they will be useful later.

*** This concludes the initial setup lab – Now proceed to the lab instructions for the lab you are attempting***