Google Cloud Platform Quest Assignment

As part of the Google Cloud Essentials Quest, I completed four labs to gain firsthand experience with Google Cloud services. I worked on the following labs:

- A Tour of Qwiklabs and Google Cloud
- Creating a Virtual Machine
- Compute Engine: Qwik Start Windows
- Getting Started with Cloud Shell and gcloud

These labs allowed me to explore the platform and learn how the various services and tools work in practice.

A Tour of Qwiklabs and Google Cloud

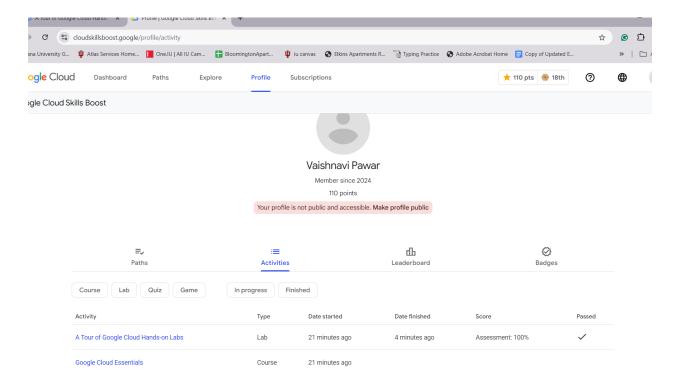
Congratulations!

In just 30 minutes, you developed a solid understanding of the Cloud console and the platform's key features. You learned about projects, roles, and the types of services the platform offers. You also practiced with Cloud IAM and the API libraries. You are now ready to take more labs.

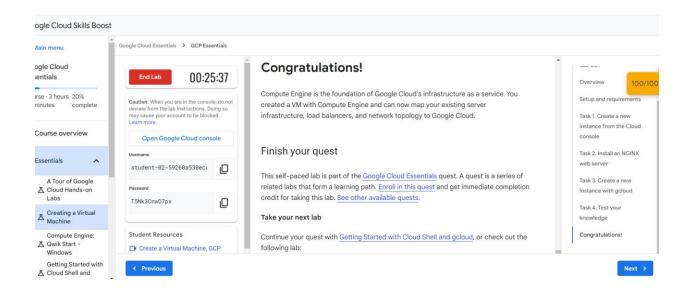
Take your next lab

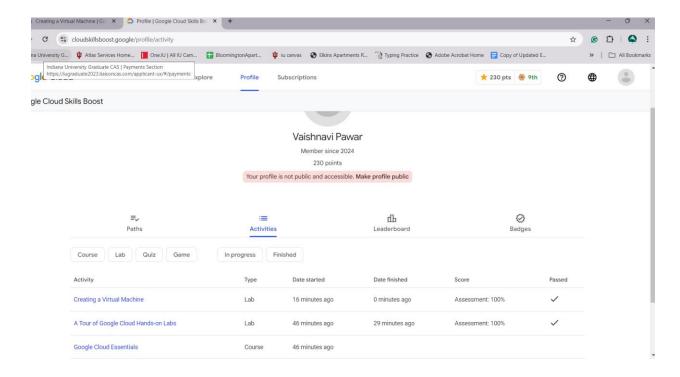
Continue learning with <u>Creating a Virtual Machine</u>, or check out these other Google Cloud Skills Boost labs:

- Compute Engine: Qwik Start Windows
- · Getting Started with Cloud Shell and gcloud

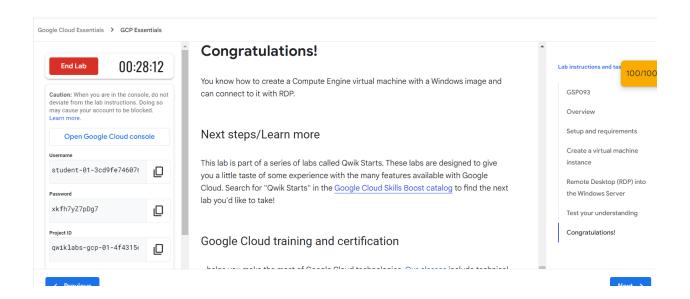


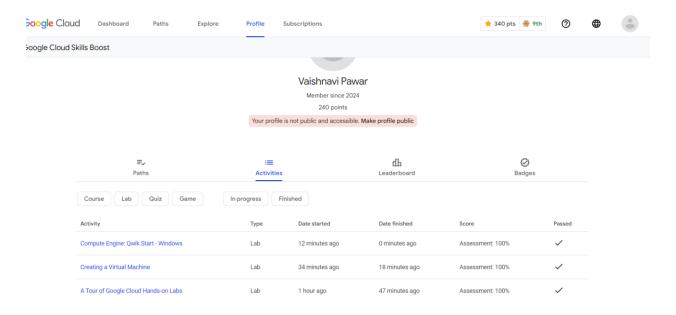
Creating a Virtual Machine



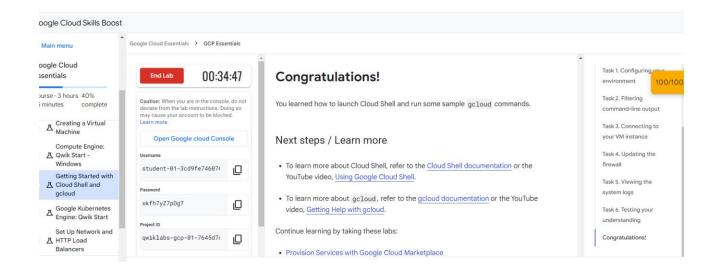


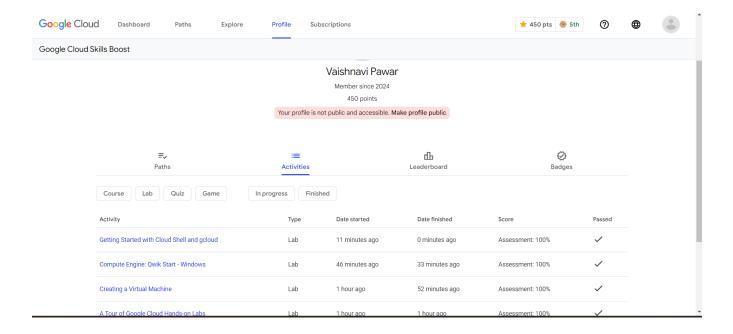
Compute Engine: Qwik Start - Windows





Getting Started with Cloud Shell & gcloud.





Summary:

Before starting these labs, I was familiar with cloud platforms such as AWS, but Google Cloud was new to me. The labs provided a structured introduction, beginning with the basics in "A Tour of Qwiklabs and Google Cloud." This lab helped me navigate the platform and understand the various tools available, making the more technical labs more manageable. By the end of this initial lab, I felt more comfortable exploring Google Cloud's features.

The lab on Creating a Virtual Machine was a fascinating hands-on experience in which I learned how to configure VM settings, select machine types, and adjust firewall rules. Setting up the VM taught me a lot about Google Cloud's resource management. The Windows VM lab expanded on this by assisting me in creating a Windows-based instance. It was especially helpful to see how simple it was to set up a Windows environment for RDP connections, though understanding the finer details of firewall settings was a little difficult.

The Cloud Shell and gcloud lab taught me about the power of using the command-line interface to manage resources. While I had some prior experience with command-line tools, the gcloud commands were unfamiliar to me, and it took some time to become comfortable with them. Despite the learning curve, this lab provided me with valuable insights into the CLI's versatility for cloud management, and I am now much more confident in using it to complete cloud-based tasks.

Challenges faced:

- <u>Firewall Configuration:</u> I initially struggled with configuring the correct firewall rules to allow access to the VMs, but after some troubleshooting, I was able to do so properly.
- <u>Access Issues:</u> Setting up proper access for the Windows VM, particularly for RDP, was initially confusing, but it became easier once the configurations were correct.
- <u>Command-Line Experience:</u> Getting used to the gcloud CLI took some time, but with clear instructions, I was able to become comfortable using the necessary commands.

This assignment was extremely beneficial in improving my knowledge of Google Cloud. I created Linux and Windows VMs, became acquainted with the gcloud CLI, and learned how cloud services work together. Despite some issues with firewall settings and the command-line interface, I now feel much more comfortable using Google Cloud and look forward to exploring more advanced features in the future.