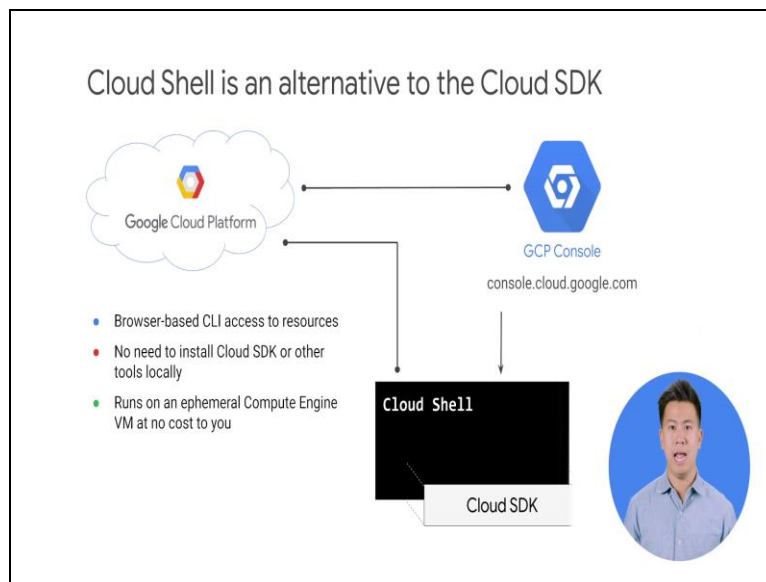**Google Cloud Computing Foundation Course**
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Lecture-11
Use Cloud Shell

Cloud shell allows a user to run the Google command-line without installing cloud SDK on a desktop. In this topic you will learn how to utilize cloud shell.
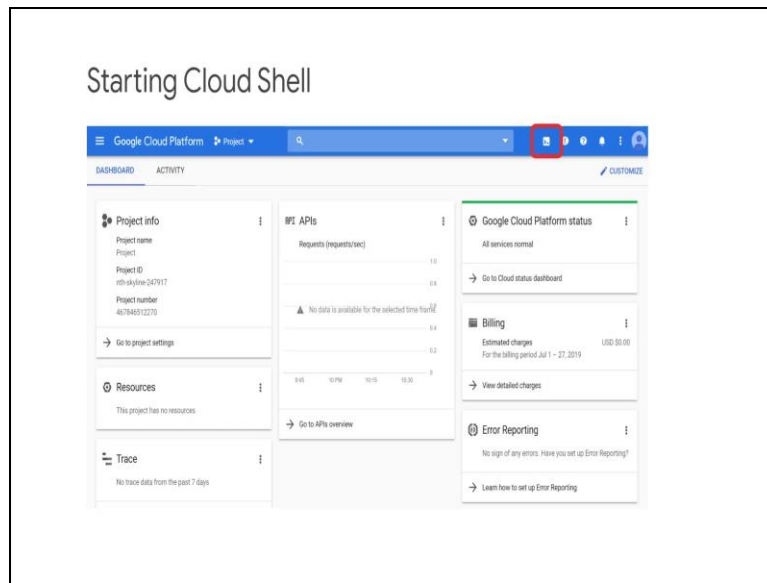
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But what if it is not convenient to install the cloud SDK on the machine you are working with. Cloud shell provides command line access to your cloud resources directly from within your browser. Using cloud shell you can manage your projects and resources easily without having to install the cloud SDK or other tools locally. The cloud SDK command-line tools and other utilities are always available up-to-date and fully authenticated.

So, how does cloud shell do that it is built using a docker container running on a compute engine virtual machine instance that you are not built for. Each GCP user has one, your cloud shell virtual machine is ephemeral which means that will be stopped whenever you stop using it interactively and it will be restarted when you re-enter cloud shell. So, you would not want to run a production web server in your cloud shell for example.

You also get 5 gigabytes of persistent disk storage that has reattached for you every time a new cloud shell session is started. It also provides web preview functionality and built an authorization for access to GCP console projects and resources. You can also use cloud shell to perform other management tasks related to your projects and resources using either the g-cloud command or other available tools.

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To start cloud shell click on the activate cloud shell icon located at the upper right hand side of the screen.

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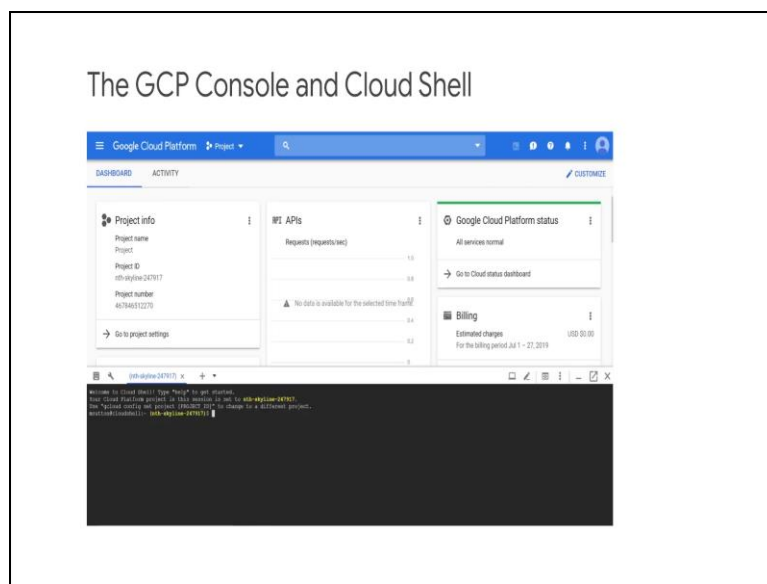
The cloud shell terminal will appear on the lower portion of the window options including launching the cloud shell code editor and opening cloud shell in the new page can be performed using the toolbar on the upper right corner of cloud shell.

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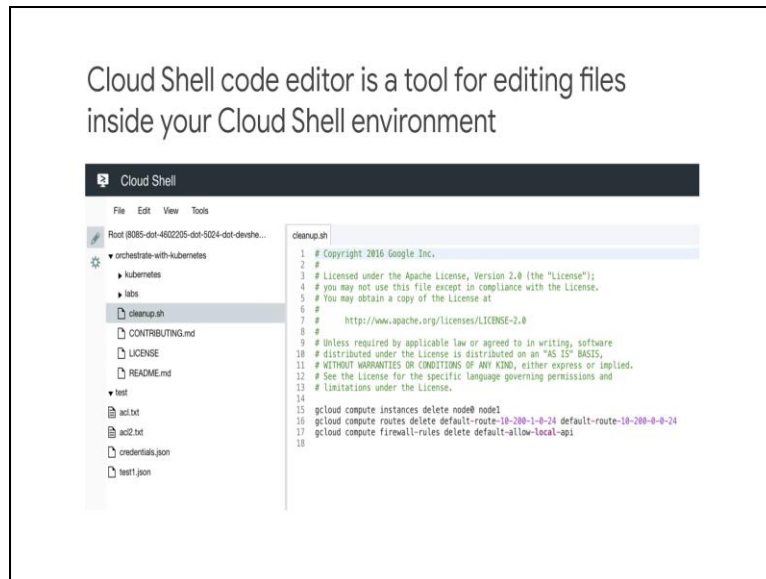
The cloud shell code editor is a tool for editing files inside your cloud shell environment in real time within the web browser. This tool is extremely convenient when working with code first applications or a container based workloads because you can edit files easily without the need to download and upload changes you can also use text editors from the cloud shell command prompt.