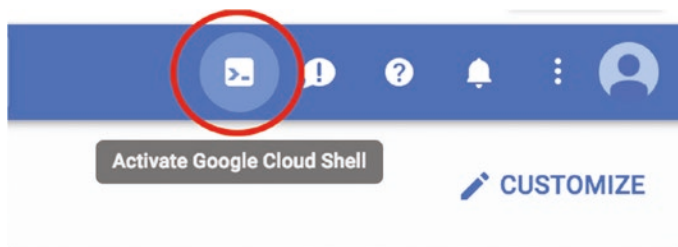


*Figure 3-8. Open IAM & admin*

## The Cloud Shell

The Cloud Shell is a vital component for working with GCP resources. Cloud Shell provisions an ephemeral virtual machine with command-line tools installed for interacting with GCP resources. It gives the user cloud-based command-line access to manipulate resources directly from within the GCP perimeter without installing the Google Cloud SDK on a local machine.

The Cloud Shell is accessed by clicking the **prompt icon** in the top-left corner of the window. See Figures 3-9, 3-10, and 3-11.



*Figure 3-9. Activate Cloud Shell*

CHAPTER 3 THE GOOGLE CLOUD SDK AND WEB CLI

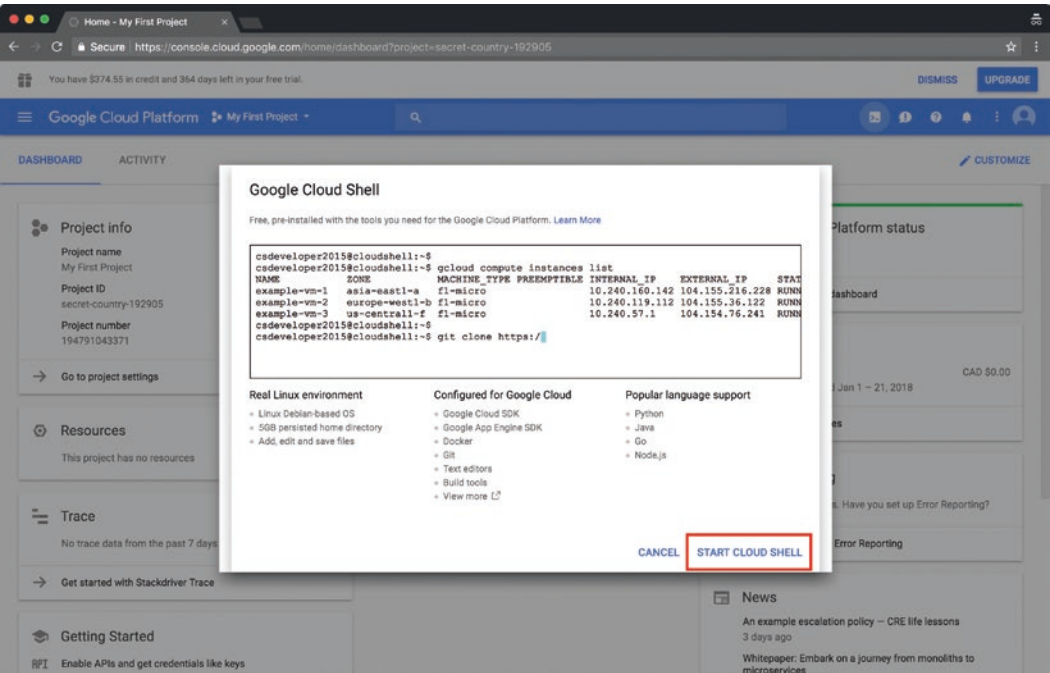


Figure 3-10. Start Cloud Shell

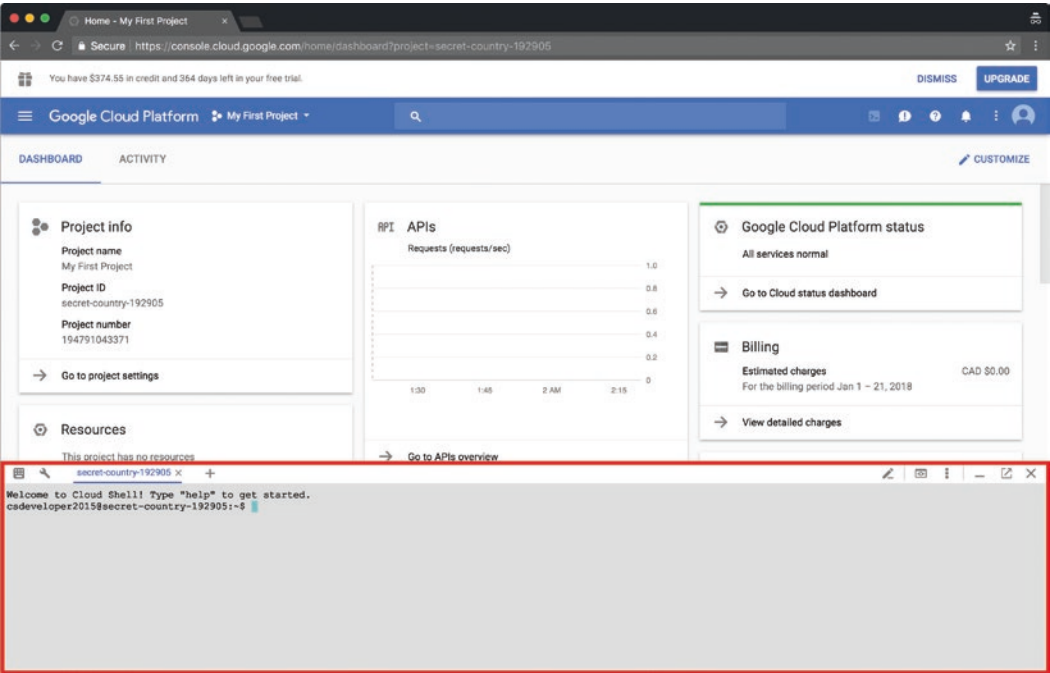
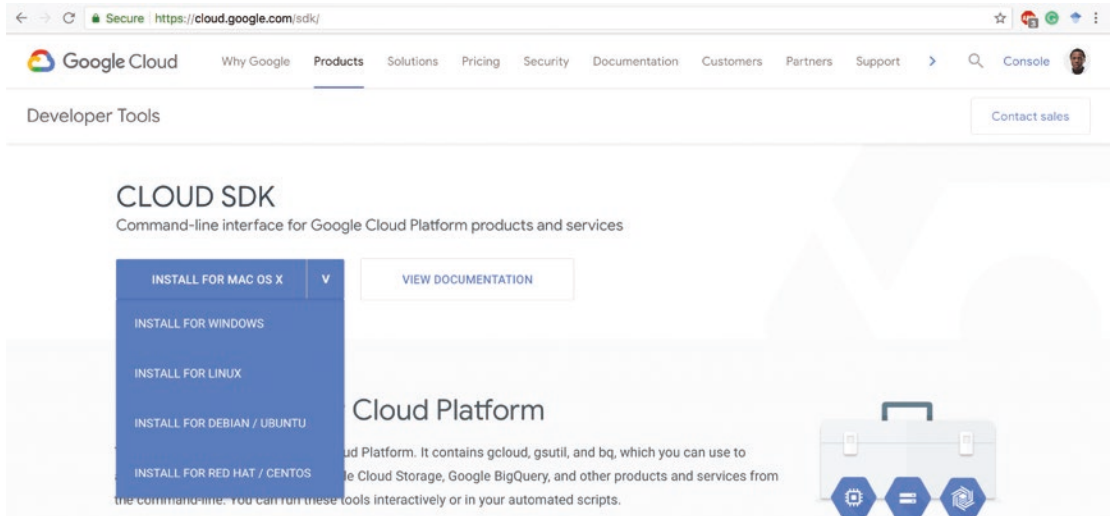


Figure 3-11. Cloud Shell interface

# Google Cloud SDK

The Google Cloud SDK installs command-line tools for interacting with cloud resources from the terminal on the local machine:

1. Go to <https://cloud.google.com/sdk/> to download and install the appropriate Cloud SDK for your machine type (see Figure 3-12).



**Figure 3-12.** Download Google Cloud SDK

2. Follow the instructions for the operating system (OS) type to install the Google Cloud SDK. The installation installs the default Cloud SDK components.
3. Open the terminal application of your OS and run the command 'gcloud init' to begin authorization and configuration of the Cloud SDK.

```
gcloud init
```

```
Welcome! This command will take you through the configuration
of gcloud.
```

```
Pick configuration to use:
```

```
[1] Create a new configuration
```

```
Please enter your numeric choice: 1
```