AI Deep Learning with TensorFlow
on Google Cloud Platform (GCP)
Install GCLOUD SDK in Local Computers

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IMPORTANT NOTES:
--) The user MUST have full privilege on the local computer in which he/she is installing GCLOUD SDK. It is very likely that the user does not have full privilege in a laptop provided by his/her employer.

1. GCP GCLOUD SDK: Overview

The Cloud SDK is a set of tools for Cloud Platform. The user can use the tool to access Google Compute Engine, Google Cloud Storage, Google BigQuery, and other products and services from the command-line.

GCLOUD makes it easy to manage various virtual machines on Compute Engine - every activity such as creating, starting, and managing VM instances, to name a few. The user can also use gcloud to make SSH connections to the remote virtual machine instances.
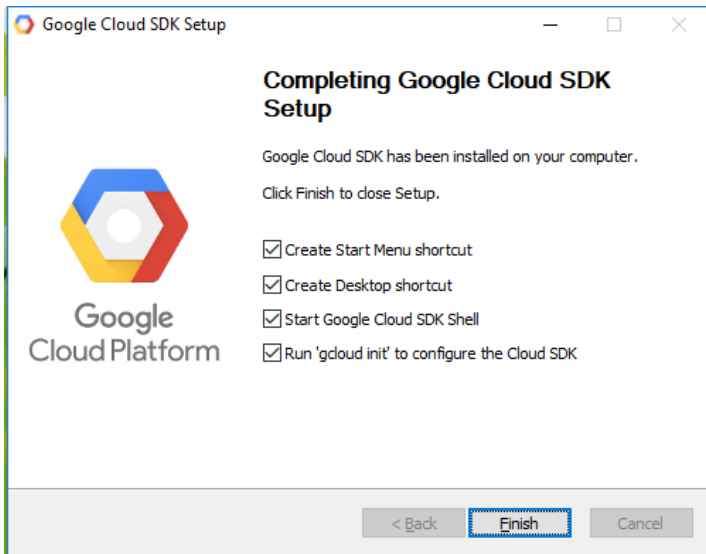
2. Install GCLOUD SDK

GCLOUD SDK
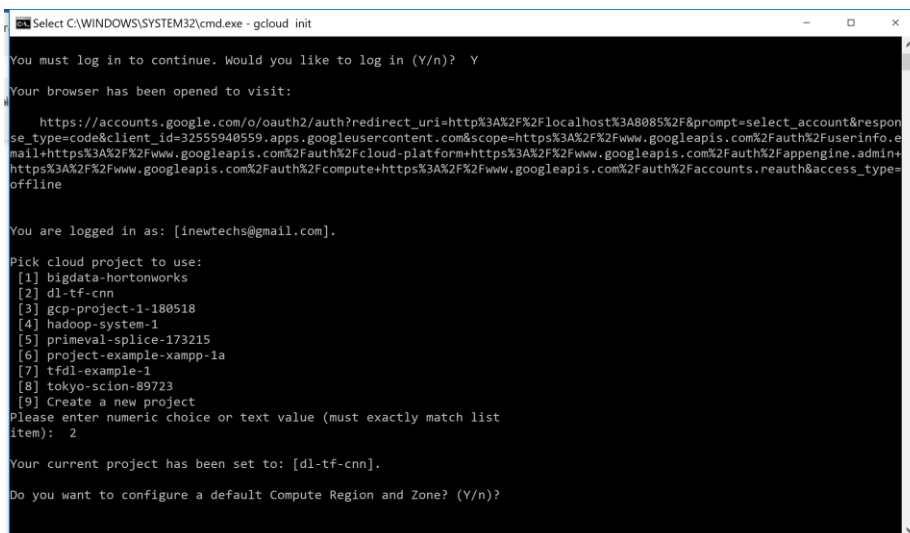https://cloud.google.com/sdk/docs/install-sdk

- Select the documentation for the platform, i.e., operating system

- Download GCLOUD SDK into the user's local computer

- Install GCLOUD SDK

<u>IMPORTANT NOTES</u>:
--) Click OK to finish all the steps after a successful installation including running "gcloud init"

- Run GCLOUD INIT

- Asked: You must log in to continue. Would you like to log in (Y/n)?
  - Y → Log in with google account that has been used to create the project

- Select the project to work with
  - Enter the project name

- Asked: Do you want to configure a default Compute Region and Zone (Y/n)?
  - Type: n → NO.


```
[5] primeval-splice-173215
[6] project-example-xampp-1a
[7] tfdl-example-1
[8] tokyo-scion-89723
[9] Create a new project
Please enter numeric choice or text value (must exactly match list
item):  2

Your current project has been set to: [dl-tf-cnn].

Do you want to configure a default Compute Region and Zone? (Y/n)?  n

Created a default .boto configuration file at [C:\Users\Admin\.boto]. See this file and
[https://cloud.google.com/storage/docs/gsutil/commands/config] for more
information about configuring Google Cloud Storage.
Your Google Cloud SDK is configured and ready to use!

* Commands that require authentication will use inewtechs@gmail.com by default
* Commands will reference project `dl-tf-cnn` by default
Run `gcloud help config` to learn how to change individual settings

This gcloud configuration is called [default]. You can create additional configurations if you work with multiple accoun
ts and/or projects.
Run `gcloud topic configurations` to learn more.

Some things to try next:

* Run `gcloud --help` to see the Cloud Platform services you can interact with. And run `gcloud help COMMAND` to get hel
p on any gcloud command.
* Run `gcloud topic --help` to learn about advanced features of the SDK like arg files and output formatting

C:\APPLS\GOOGLE\GCP_SDK>
```

GCLOUD SDK HAS BEEN SUCCESSFULLY INSTALLED!

START GCLOUD SDK Shell


```
Welcome to the Google Cloud SDK! Run "gcloud -h" to get the list of available commands.
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C:\APPLS\GOOGLE\GCP_SDK>
```