Install and configure Google Cloud SDK

1. Install Google Cloud SDK

   https://cloud.google.com/sdk/docs/install#windows

2. After the installation setup is finished, installer will automatically run the gcloud init command.

2. It will ask to login to the account and generate a URL.

3. Allow access to Google Cloud SDK from the Google Account.
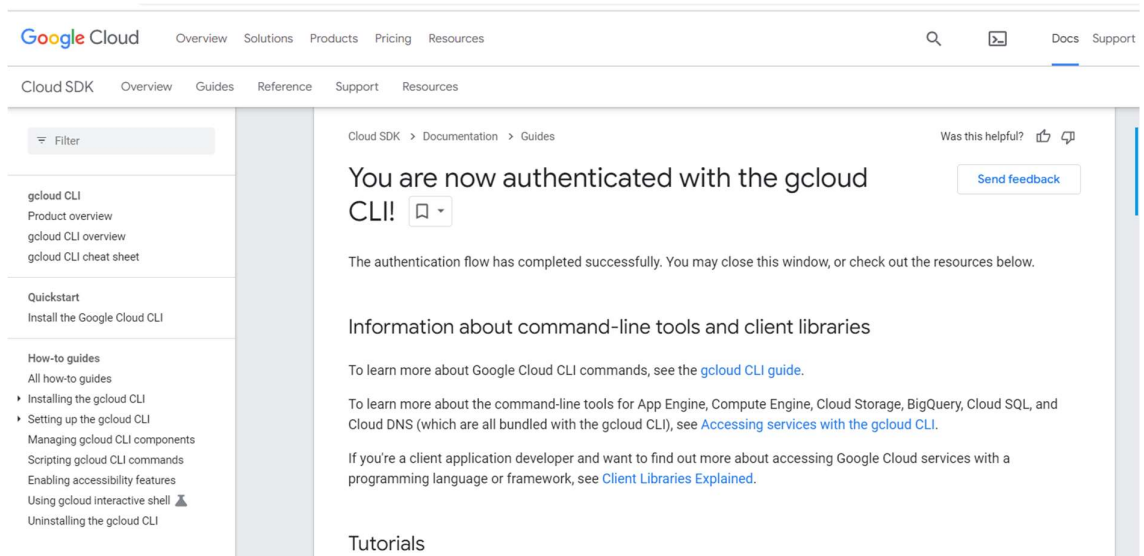
4. We can now use gcloud init command to create/mange the projects

```
Please enter your numeric choice:  2

You are logged in as XXXX @gmail.com].

This account has no projects.

Would you like to create one? (Y/n)?  y

Enter a Project ID. Note that a Project ID CANNOT be changed later.
Project IDs must be 6-30 characters (lowercase ASCII, digits, or
hyphens) in length and start with a lowercase letter. cloudprj-111111
Waiting for [operations/cp.6008920816169142554] to finish...done.
Your current project has been set to: [cloudprj-111111].

Not setting default zone/region (this feature makes it easier to use
[gcloud compute] by setting an appropriate default value for the
--zone and --region flag)
```

Created project:

Select a project   ⚙ NEW PROJECT

Q Search projects and folders

RECENT   STARRED   ALL

Name   ID

▼ ▦ No organization   0

  ☆ •• cloudprj-111111   cloudprj-111111

5. The different components of SDK can be viewed using the following command:
    gcloud components list

```
|                                              Components                                               |
+---------------+--------------------------------------------------+------------------------------+----------+
|    Status     |                      Name                         |             ID               |   Size   |
+---------------+--------------------------------------------------+------------------------------+----------+
| Not Installed | App Engine Go Extensions                          | app-engine-go                |  4.6 MiB |
| Not Installed | Appctl                                            | appctl                       | 18.7 MiB |
| Not Installed | Artifact Registry Go Module Package Helper        | package-go-module            | < 1 MiB  |
| Not Installed | Cloud Bigtable Command Line Tool                  | cbt                          | 10.5 MiB |
| Not Installed | Cloud Bigtable Emulator                           | bigtable                     |  6.9 MiB |
| Not Installed | Cloud Datastore Emulator                          | cloud-datastore-emulator     | 35.1 MiB |
| Not Installed | Cloud Firestore Emulator                          | cloud-firestore-emulator     | 41.8 MiB |
| Not Installed | Cloud Pub/Sub Emulator                            | pubsub-emulator              | 66.4 MiB |
| Not Installed | Cloud Run Proxy                                   | cloud-run-proxy              |  7.6 MiB |
| Not Installed | Cloud SQL Proxy                                   | cloud_sql_proxy              |  7.4 MiB |
| Not Installed | Google Container Registry's Docker credential helper | docker-credential-gcr     |  1.8 MiB |
| Not Installed | Log Streaming                                     | log-streaming                | 12.4 MiB |
| Not Installed | Minikube                                          | minikube                     | 33.7 MiB |
| Not Installed | Skaffold                                          | skaffold                     | 22.1 MiB |
| Not Installed | Terraform Tools                                   | terraform-tools              | 61.7 MiB |
| Not Installed | anthos-auth                                       | anthos-auth                  | 20.5 MiB |
| Not Installed | config-connector                                  | config-connector             | 56.9 MiB |
| Not Installed | enterprise-certificate-proxy                      | enterprise-certificate-proxy |  7.0 MiB |
| Not Installed | gcloud Alpha Commands                             | alpha                        | < 1 MiB  |
| Not Installed | gcloud Beta Commands                              | beta                         | < 1 MiB  |
| Not Installed | gcloud app Java Extensions                        | app-engine-java              | 64.6 MiB |
| Not Installed | gcloud app PHP Extensions                         | app-engine-php               | 19.1 MiB |
| Not Installed | gcloud app Python Extensions                      | app-engine-python            |  8.4 MiB |
| Not Installed | gcloud app Python Extensions (Extra Libraries)    | app-engine-python-extras     | 26.4 MiB |
| Not Installed | gke-gcloud-auth-plugin                            | gke-gcloud-auth-plugin       |  7.8 MiB |
| Not Installed | kubectl                                           | kubectl                      | < 1 MiB  |
| Not Installed | kubectl-oidc                                      | kubectl-oidc                 | 20.5 MiB |
| Not Installed | pkg                                               | pkg                          |          |
| Installed     | BigQuery Command Line Tool                        | bq                           |  1.6 MiB |
| Installed     | Cloud Storage Command Line Tool                   | gsutil                       | 15.5 MiB |
| Installed     | Google Cloud CLI Core Libraries                   | core                         | 20.3 MiB |
| Installed     | Google Cloud CRC32C Hash Tool                     | gcloud-crc32c                |  1.3 MiB |
```