1. Setup the gcloud sdk and provide the commands to check which of the gcloud components are installed. Install the components [gsutil, kubectl, bq, gcloud Alpha commands, gcloud beta commands] if not already installed.
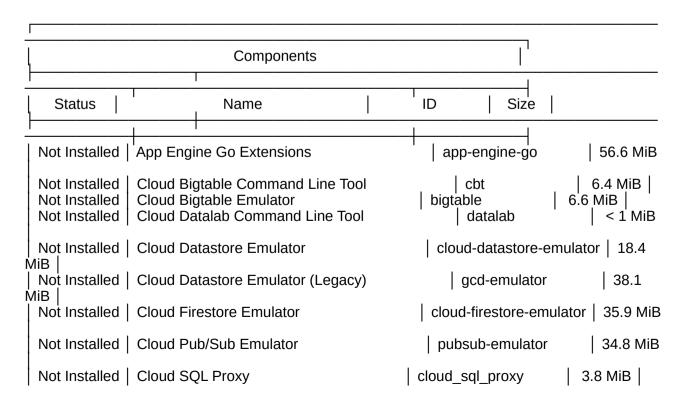
Setting up gcloud SDK:

avinash@Quantiphi-929:~$ **export CLOUD_SDK_REPO="cloud-sdk-$(lsb_release -c -s)"**
avinash@Quantiphi-929:~$ **echo "deb http://packages.cloud.google.com/apt $CLOUD_SDK_REPO main" | sudo tee -a /etc/apt/sources.list.d/google-cloud-sdk.list**
[sudo] password for avinash:
deb http://packages.cloud.google.com/apt cloud-sdk-bionic main
avinash@Quantiphi-929:~$ **curl https://packages.cloud.google.com/apt/doc/apt-key.gpg | sudo apt-key add -**
  % Total   % Received % Xferd Average Speed   Time   Time   Time Current
                                 Dload Upload   Total   Spent   Left Speed
100   659 100   659   0   0   5936   0 --:--:-- --:--:-- --:--:-- 5936
OK
avinash@Quantiphi-929:~$ **sudo apt-get update && sudo apt-get install google-cloud-sdk**
...
avinash@Quantiphi-929:~$ **gcloud init --console-only**
Welcome! This command will take you through the configuration of gcloud.
...

Checking which gcloud components are installed:

avinash@Quantiphi-929:~$ gcloud components list

Your current Cloud SDK version is: 254.0.0
The latest available version is: 254.0.0

	Components		
Status	Name	ID	Size
Not Installed	App Engine Go Extensions	app-engine-go	56.6 MiB
Not Installed	Cloud Bigtable Command Line Tool	cbt	6.4 MiB
Not Installed	Cloud Bigtable Emulator	bigtable	6.6 MiB
Not Installed	Cloud Datalab Command Line Tool	datalab	< 1 MiB
Not Installed	Cloud Datastore Emulator	cloud-datastore-emulator	18.4 MiB
Not Installed	Cloud Datastore Emulator (Legacy)	gcd-emulator	38.1 MiB
Not Installed	Cloud Firestore Emulator	cloud-firestore-emulator	35.9 MiB
Not Installed	Cloud Pub/Sub Emulator	pubsub-emulator	34.8 MiB
Not Installed	Cloud SQL Proxy	cloud_sql_proxy	3.8 MiB

Not Installed	Emulator Reverse Proxy	emulator-reverse-proxy	14.5 MiB
Not Installed	Google Cloud Build Local Builder	cloud-build-local	6.0 MiB
Not Installed	Google Container Registry's Docker credential helper	docker-credential-gcr	1.8 MiB
Not Installed	gcloud app Java Extensions	app-engine-java	85.9 MiB
Not Installed	gcloud app PHP Extensions	app-engine-php	
Not Installed	gcloud app Python Extensions	app-engine-python	6.0 MiB
Not Installed	gcloud app Python Extensions (Extra Libraries)	app-engine-python-extras	28.5 MiB
Installed	BigQuery Command Line Tool	bq	< 1 MiB
Installed	Cloud SDK Core Libraries	core	11.1 MiB
Installed	Cloud Storage Command Line Tool	gsutil	3.6 MiB
Installed	gcloud Alpha Commands	alpha	< 1 MiB
Installed	gcloud Beta Commands	beta	< 1 MiB
Installed	kubectl	kubectl	< 1 MiB

To install or remove components at your current SDK version [254.0.0], run:
  $ gcloud components install COMPONENT_ID
  $ gcloud components remove COMPONENT_ID

To update your SDK installation to the latest version [254.0.0], run:
  $ gcloud components update

If any component is missing, you can install it using the following command:
$ gcloud components install <COMPONENT_ID>