Before we start, lets install the SDK

1. Install the SDK over https://cloud.google.com/sdk/downloads
2. Authenticate Using `gcloud init`
3. You are ready to go

Developing on Google Cloud

Presented by

Eric Jiang (lorderikir)

This presentation's code/slides can be found on
https://github.com/lorderikir/googlecloud-techtalk

Google Cloud Platform

Talk Summary

1. Introduction to Google Cloud
2. Deep-Dive
    a. Setting up SDK tools
3. Google App Engine
4. Other Tools

[NOTE]: I'm presuming that most of you would have access to Google Cloud Platform via your Monash Student Account.

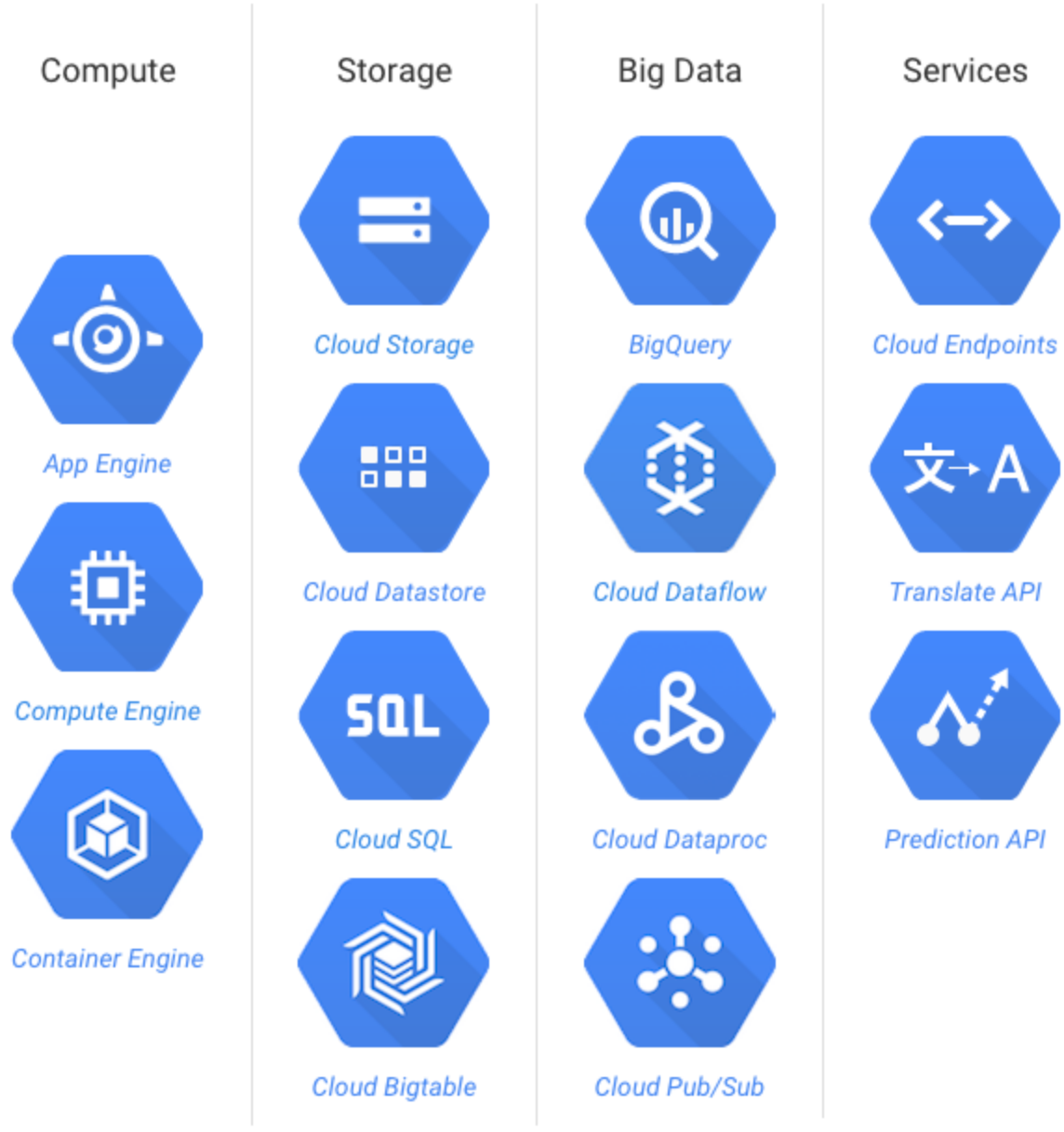
Introduction

What is Google Cloud Platform?

> Google Cloud Platform lets you build and host applications and websites, store data, and analyze data on Google's scalable infrastructure.

Composes of many applications, such as:

- Google App Engine (GAE)
- Google Container Engine (GCE)
- Google DataStore
- Cloud ML (built off TF tech)
- and much more



Google Cloud Platform

Google App Engine

- designed around the fact that *Google just can't send everyone into their datacentre(s) and update applications across their many datacenters*
- Built off Remote Deployments

Language	Environment
Java 7 (Kotlin)	Standard
Java 8	Standard (Beta)/Flexible
Node.js	Flexible
Python 2,7	Standard
Python 3.5	Flexible

Google Cloud Platform

Standard Environments run in a specialised envrionment. Though building the application is more constrained then other environments, it means scaling up is faster.

Flexible Environment applications run off a Docker container, it is designed for applications that recieve constant traffic.

Here's the Instructions on Installing the SDK again

1. Install the SDK over https://cloud.google.com/sdk/downloads
2. Authenticate Using `gcloud init` (login using your Monash Student Account)
3. You are ready to go

Deep Dive Section

Other Available Tools

- Cloud ML (Google Cloud Machine Learning): built off tensorflow
- Compute Engine
- Container Engine
- Cloud Storage
- Network Balancer
- APIs such as NLP, Sentiment Analysis, DLP, etc.
- and Much more

Questions