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

This is not what Infrastructure Engineer's Do

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

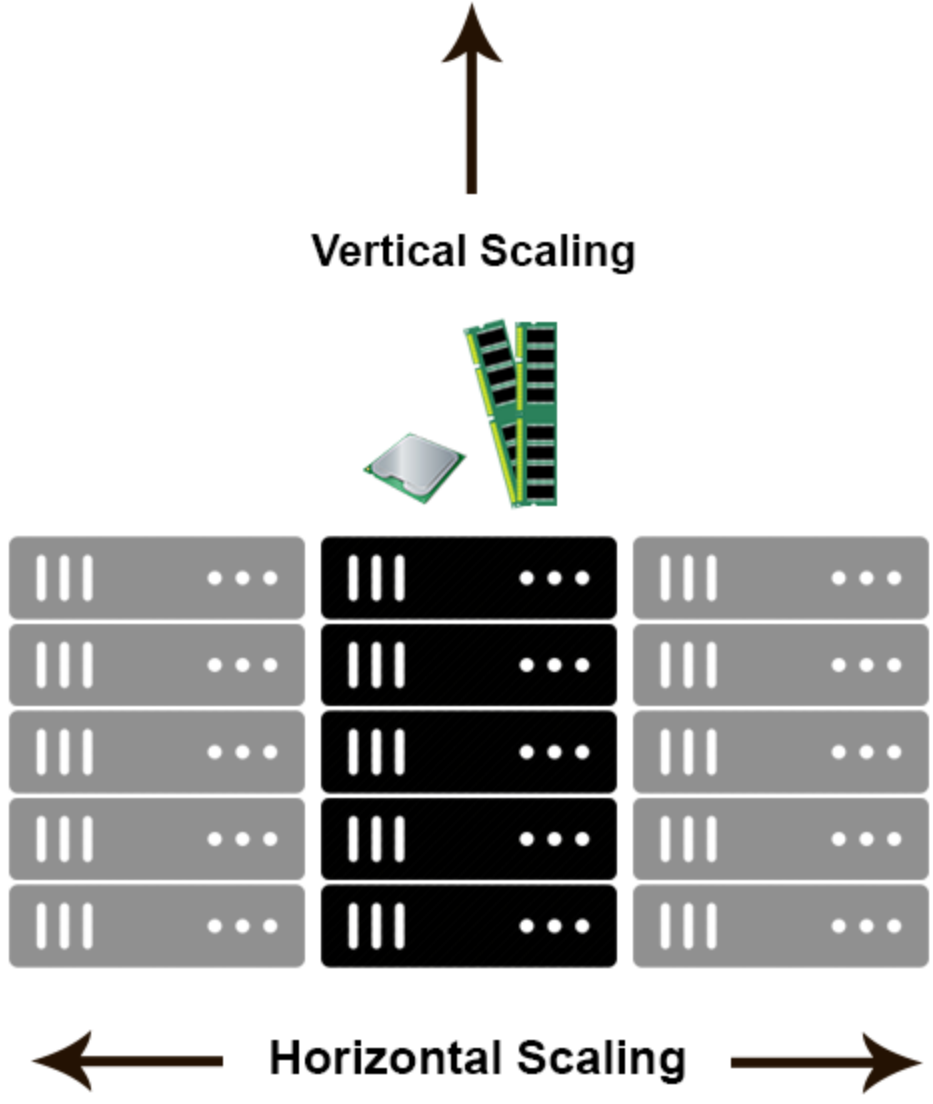
Language	Environment
Java 7 (Kotlin)	Standard
Java 8	Standard (Beta)/Flexible
Node.js	Flexible
Python 2,7	Standard
Python 3.5	Flexible

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.

Horizontal vs Veritcal Scaling




Horozontal Scaling
Vertical
Scaling

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