



Department:

Country:

API Developer Training

Introduction

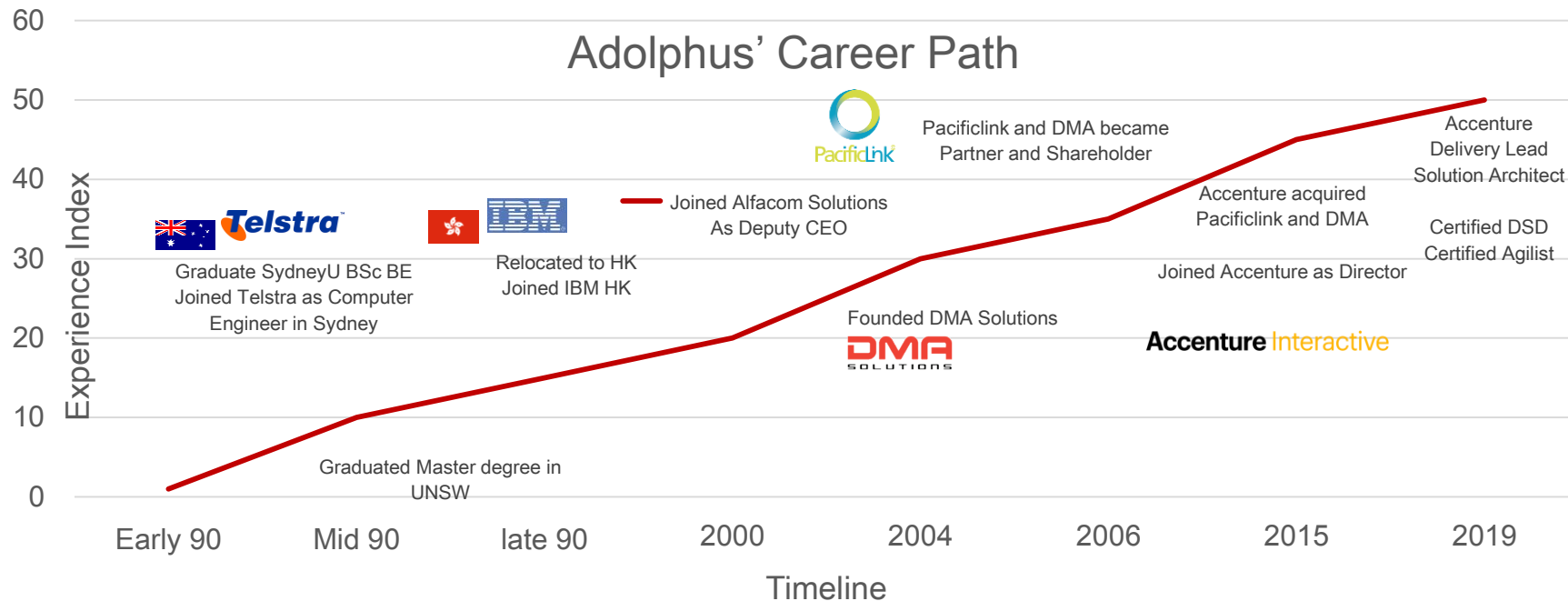
Agenda

- Speaker Introduction
- Trainee Student Introduction
- Course Introduction
- Virtual Class Logistics
- What is API?
- Different Delivery Model

Introduction

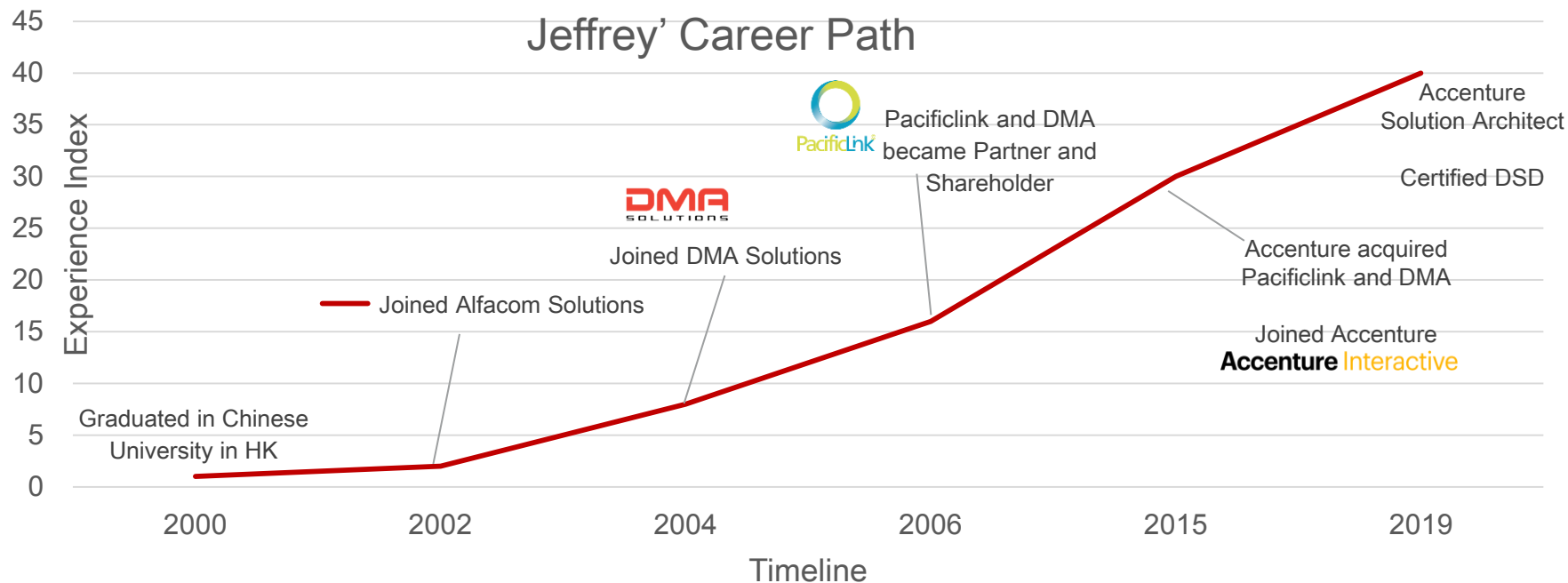
Who am I?

Adolphus Minu



Who am I?

Jeffrey Kwok



Trainee Introduction....

Let's get to know each other

- ❖ Let's go through the group alphabetically (lastname,A..Z)
- ❖ You can introduce yourself in audio or in chat box
- ❖ 4 simple questions

- Your roles and responsibilities in Generali

E.g. I am the Java developer responsible for maintaining the Policy & Admin System

- What is your programming experience ?

E.g. I have 5 years of Java J2EE programming experience. I also am familiar with SQL programming in MS and Oracle DB

- What do you want to learn ?

E.g. I want to learn the latest NoSQL database programming for enterprise system

- How well do you know online meeting tool (WebEx or Zoom or Teams)

Pls rate 0 (no experience) to 5 (master level) ?

Welcome to our student trainee

Development Team

Kanokporn Ritthiyong (IT - Developer)
 Phiphat Saengsan (IT - Developer)
 Prasit Uantrai (IT - Developer)
 Somjet Thanaphakawat (IT - Developer)
 Yaowaluk Kaewkitipong (IT - Developer)

Observer and Interested Party

Phanuwat Pattamanakul (IT - Developer)
 Thida Techaphalangrak (IT - Head of Developer)
 Thongchai Sukosi (IT - PM)

Interested in API Testing

Chonita Wonglertwatig (BPO - BA)
 Prakasit Matrangkul (Guest)
 Sommanat Wongchaichana (Guest)

Guests

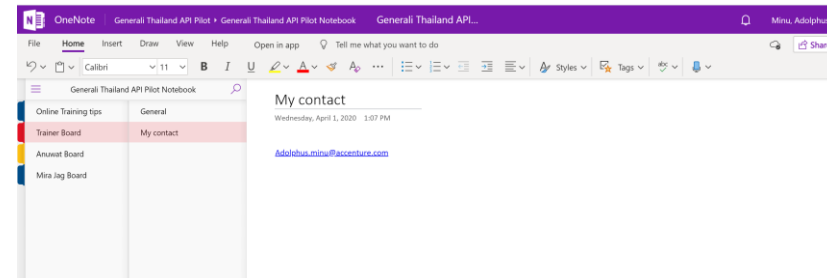
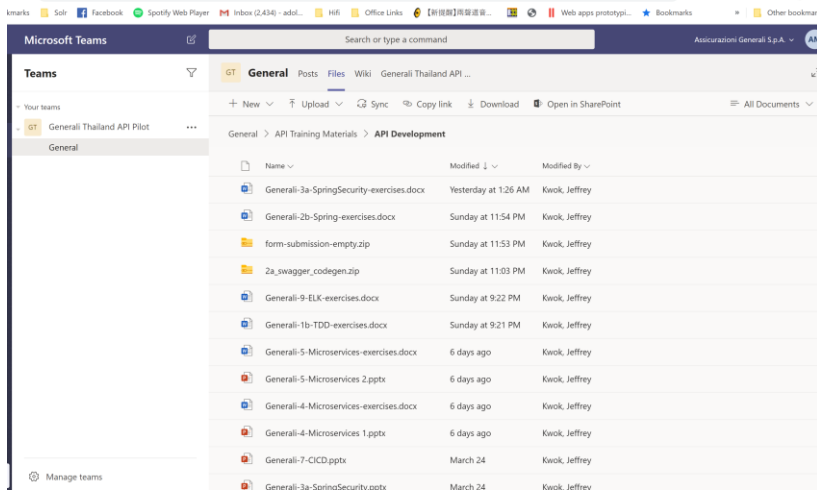
Pichit Boonuppathum
 Siwawes Wongcharoen
 Sukasem
 Witsarut Hannapachewin

Course Logistics

Course Logistics

At the start of training

- Login to Online training site (WebEx or Zoom)
- Login to MS Teams before the training starts. Trainees will download files, access OneNote notice board there
- Do a roll call to take attendance
- Show training calendar to recap where we are
- Thai local trainer to introduce a bit in Thai about what we plan today



Maven

Course Logistics

During training

- Trainer to deliver the training
- Use “Raise hand” function or type your questions in Chat box
- Moderator (Anuwat, Adolphus or other trainer) to support and capture questions in Chat box
- Break for 10-15min every hour
- Be prepared – You will get frequent direct questions / quiz
- Refer to the Teams OneNote board for additional information

Course Introduction

Course Introduction

Day	Topics
1	<ul style="list-style-type: none">• Course Introduction• Test Driven Development
2	<ul style="list-style-type: none">• Tools, REST, Swagger• Spring and Spring Boot
3	<ul style="list-style-type: none">• Spring and Spring Boot• Maven
4	<ul style="list-style-type: none">• Microservice and API Development
5	<ul style="list-style-type: none">• Microservice and API Development• Introduction of CICD
6	<ul style="list-style-type: none">• Test Automation
7	<ul style="list-style-type: none">• Application Security Best Practice
8	<ul style="list-style-type: none">• ELK Overview
9	<ul style="list-style-type: none">• Final Assessment

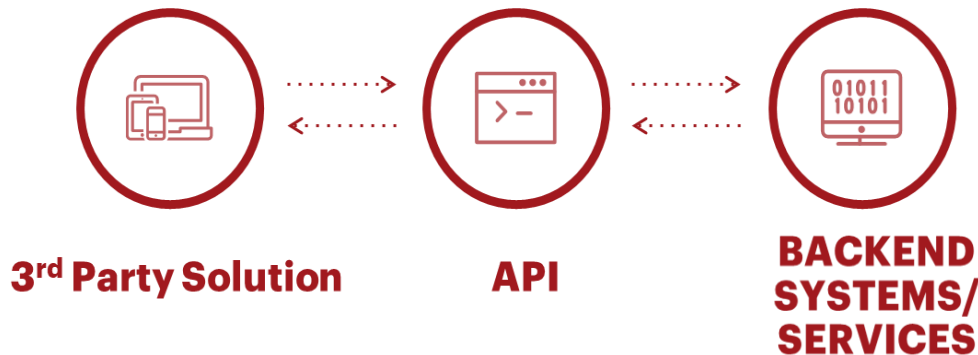
What is API

What is API

API Stands for “application programming interface”

API's are the **bridge** that make it possible for **a product or service to connect with other systems/data sources** and create better value

They are used to **expose business, data , functionality & services** to the outside world and third parties in a controlled fashion.



What is API

Application programming interfaces (API) fuel innovation and speed up implementation

BECAUSE OF APIS' COMMON STANDARD, COLLABORATION & INNOVATION IS SIMPLE

APIs can be **easily understood** and used by internal and external developers and therefore **increase interoperability** across organization's borders. This drives **collaboration** and **innovation**

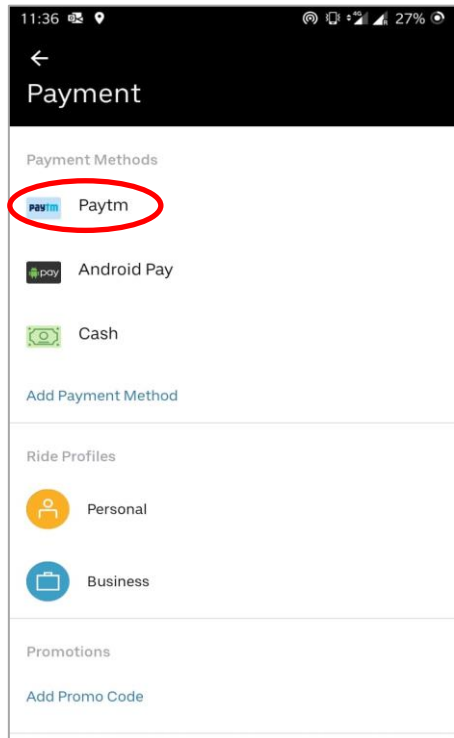
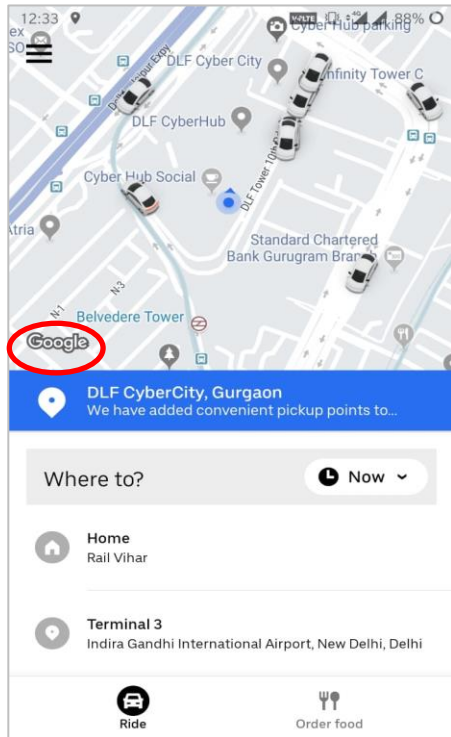
WITH STANDARDIZED, REUSABLE APIS DIGITALIZATION CAN BE ACCELERATED

APIs allow **plug & play connectivity** to IT services and make a **rapid access** to various systems possible – similar to a **power socket**. This increases **implementation speed** and **lowers** development **costs**



What is API

Example



UBER uses **Google** maps API for geolocating resources, cars & riders.

It also uses **payment API's** from various service providers e.g. **Paytm**

What is API

Types of API and Typical Usage

DEGREE OF OPENNESS



Private API (Integration)

Used internally to facilitate the integration of different applications & systems used by a company

Salesforce

Amazon

AT&T



Partner API (Collaboration)

Used to facilitate communication & integration of software between a company and its business and partners

Netflix

Spotify

Youtube

Walgreens

Skype

Equifax

Fedex



Open API (Innovation)

Used to publicly expose Information to third parties who may not have a business relationship with the company

Facebook

Amazon

Google Maps

Paypal

1

OFFER ACCESS TO A
USER EXPERIENCE

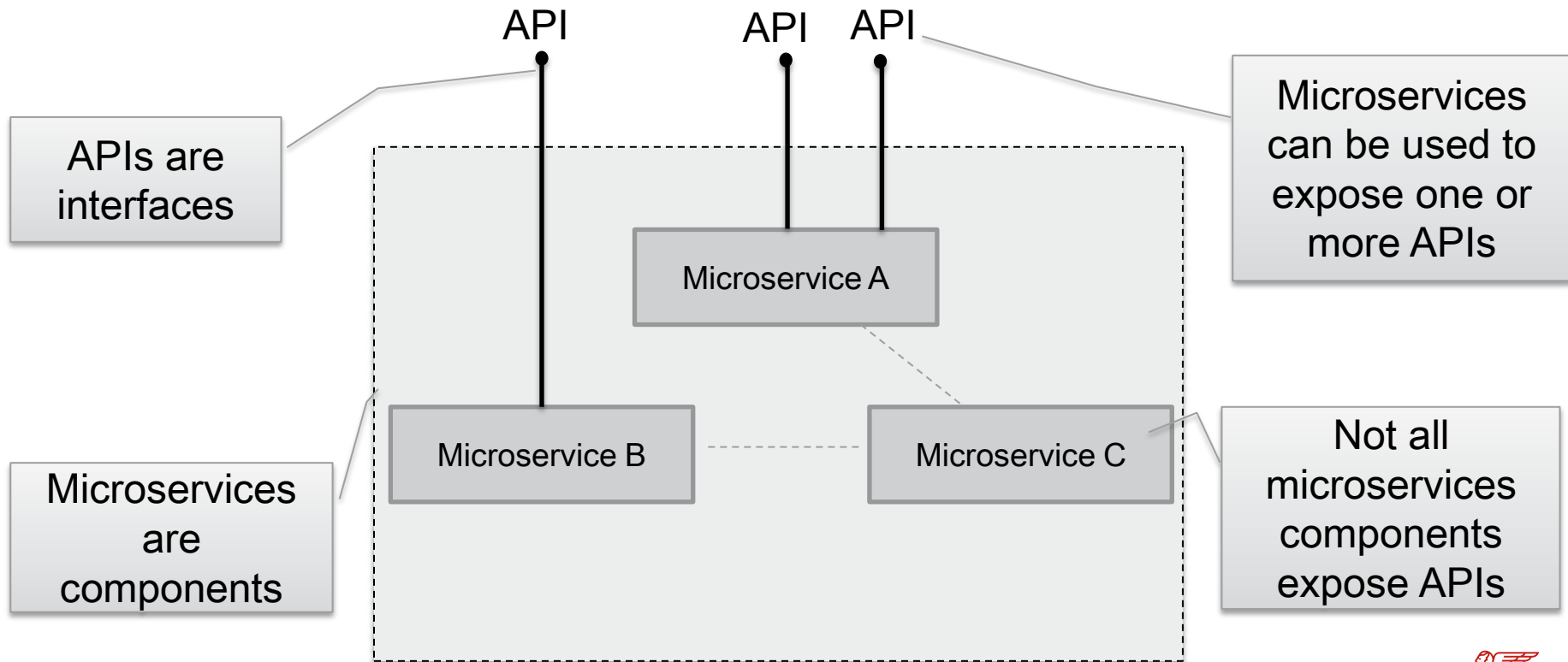
2

ENABLE DELIVERY OF A
SERVICE OR PRODUCT

3

OFFER ACCESS TO
DATA

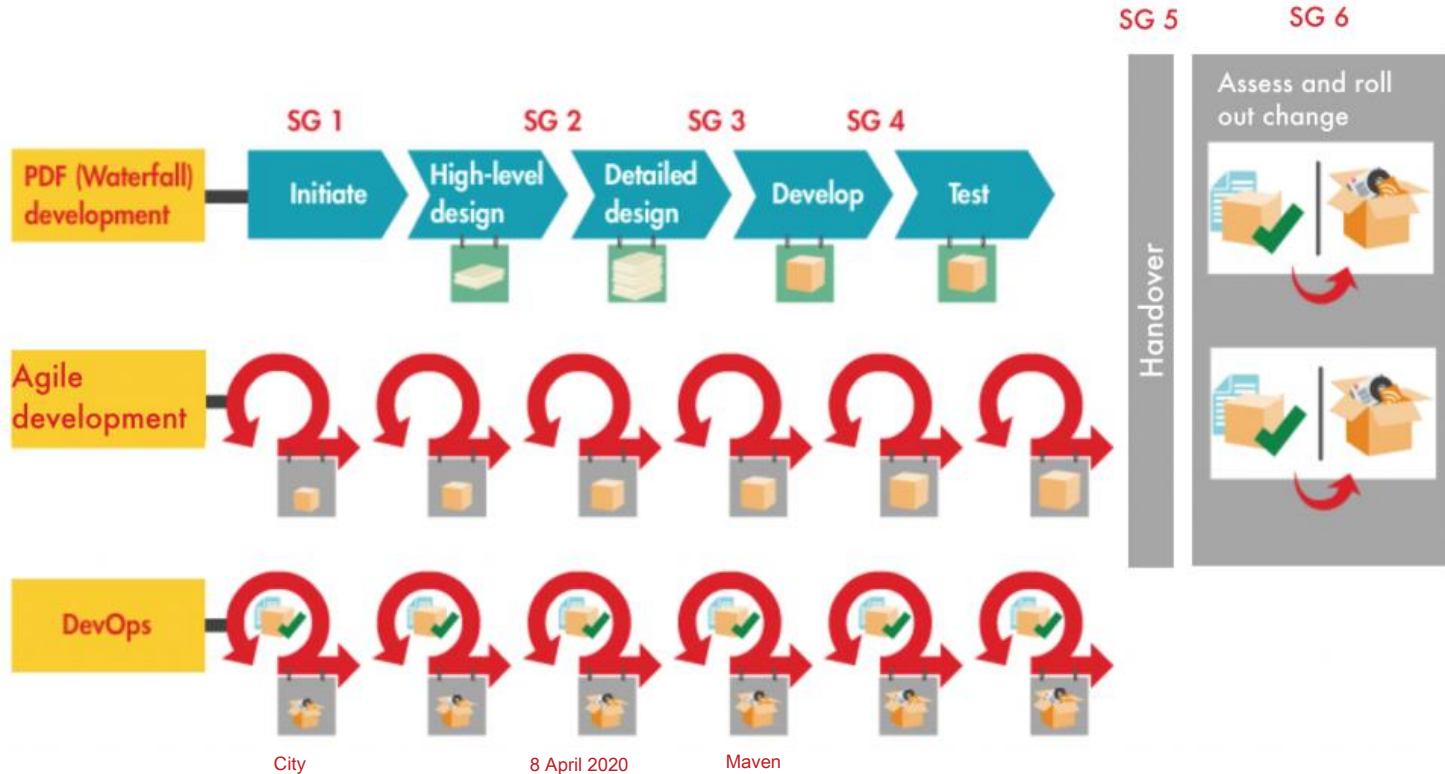
What is the difference between Microservice and API



Different Delivery Model

Different Delivery Model

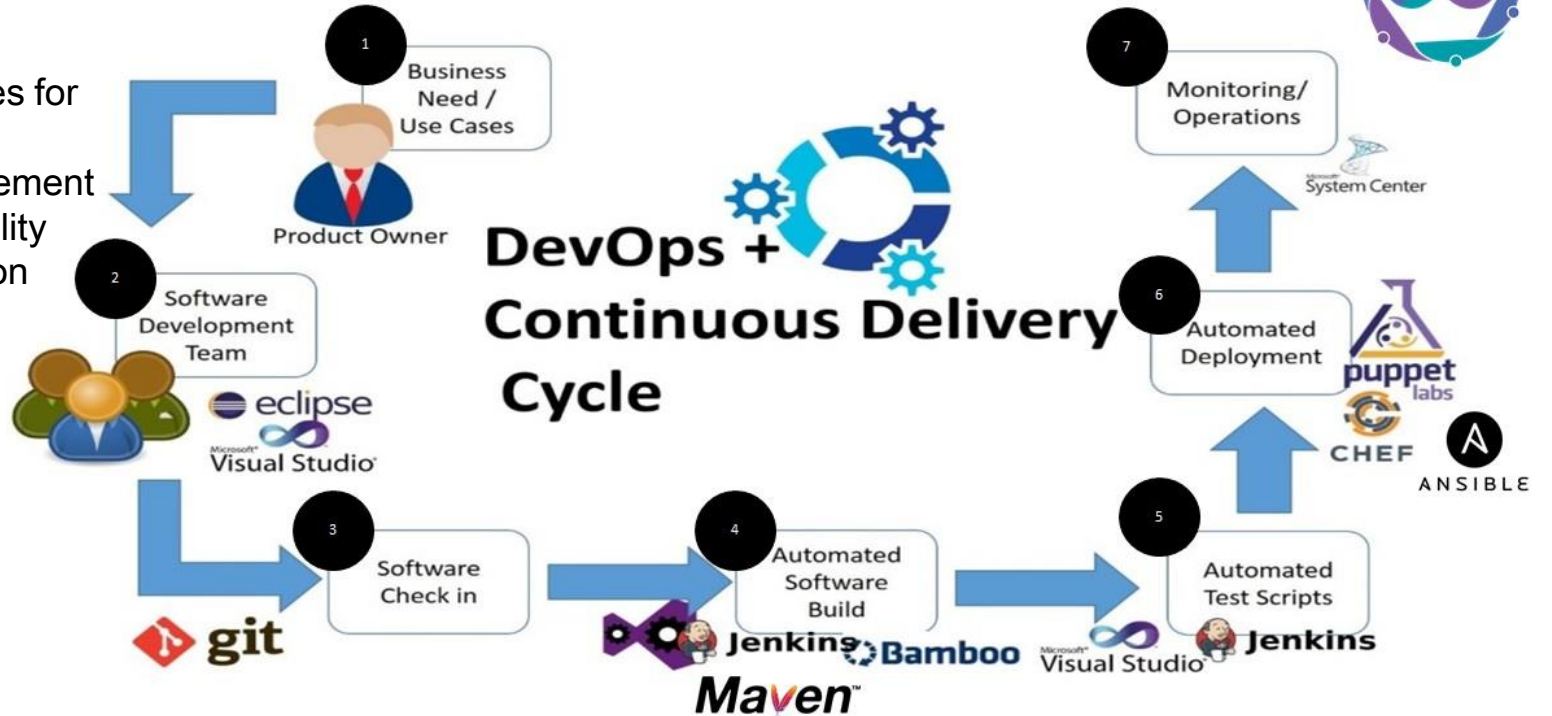
DevOps focus on delivering a minimal viable product (MVP) soonest that delivers tangible business value



DevOps Life Cycle

Key responsibilities for developers

1. Code Management
2. Program Quality
3. Documentation





Thank You.

Contacts:

