

# Cloud Development, 2021 fall. Homework 5

Report

Web API

made by Zhuman Rakhat

#### **Task**

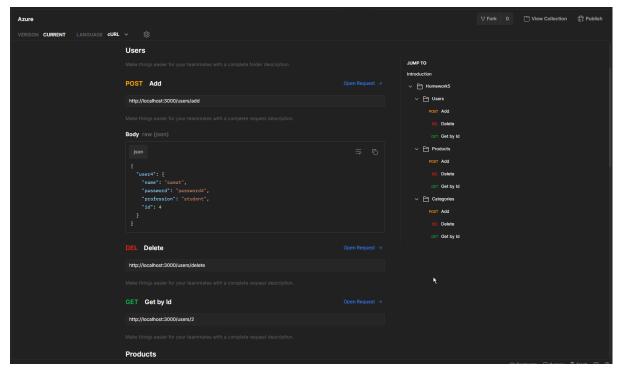
- You have to develop a simple Web API and publish it as a Web Apps Azure service.
- ☑ Then, using APIM, create a Product, including methods of your published API.

### **Additionally**

Added subscriptions to divide products

### Report

## **Develop Web API**



Below in the code only users is described, as the rest (products, categories) are identically implemented

mock file

#### routing

```
| var espects - regular("Composs");
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```

### Dockerfile

```
FROM node:14-alpine

WORKDIR /usr/src/app

COPY . /usr/src/app

RUM npm install

EXPOSE 3000

CMD [ "npm", "start" ]
```

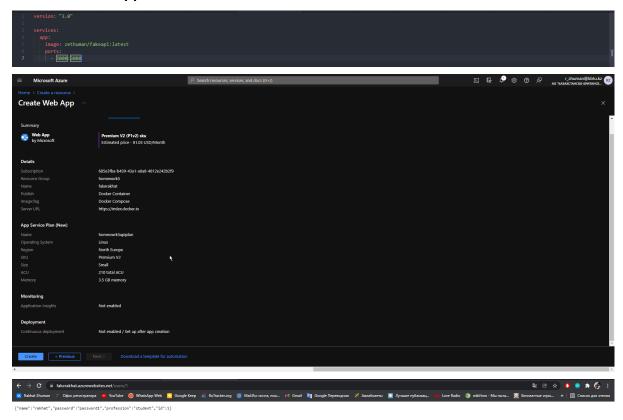
#### Build

```
D:Source/Mode/St-Vizure/MaScidocker build -t zethuman/fakeapi:latest .

[4] Building 7.6s (36/19) FMISHED

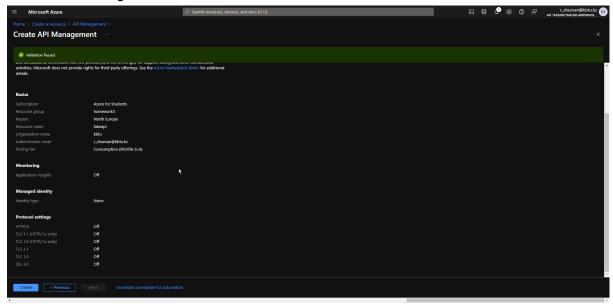
| Jintemal] load build efficition from Dockerfile
| 0.6s
| > > > transferring dockerfile: 318 | 0.6s
| Distriction | 10 distriction | 10
```

# Publish a Web Apps on Azure



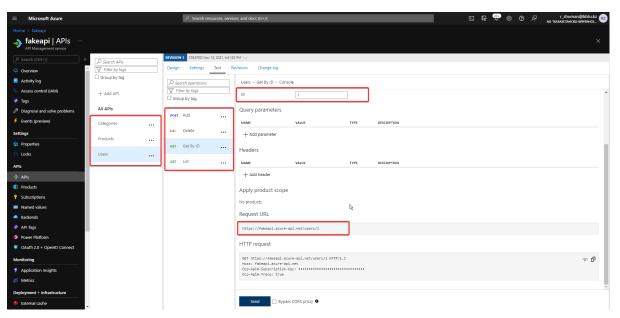
# **Create a Product using APIM**

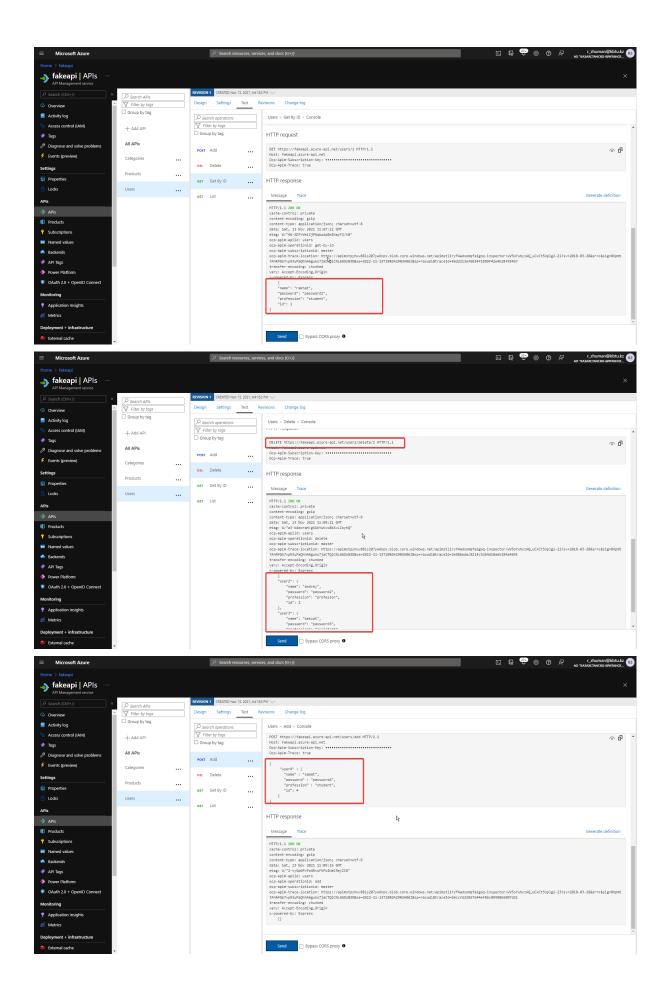
## Create API Management



#### **Create & Test APIs**







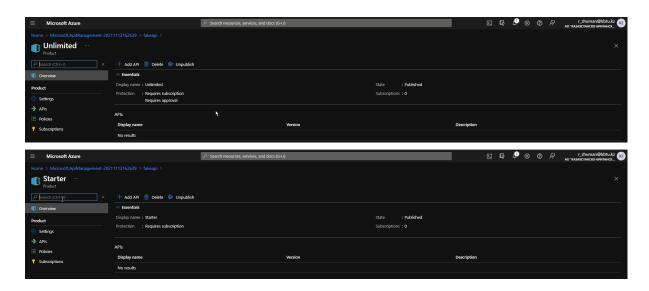
# Create products

1. Starter

Subscribers will be call only users and 5 calls/min

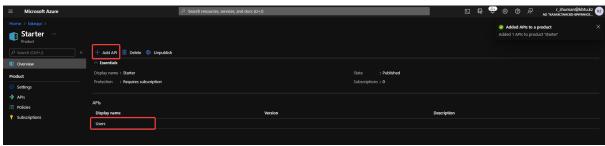
2. Unlimited

Subscribers will be call all methods unlimited calls per minute

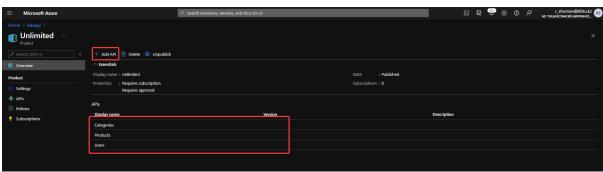


## **Add APIs to Products**

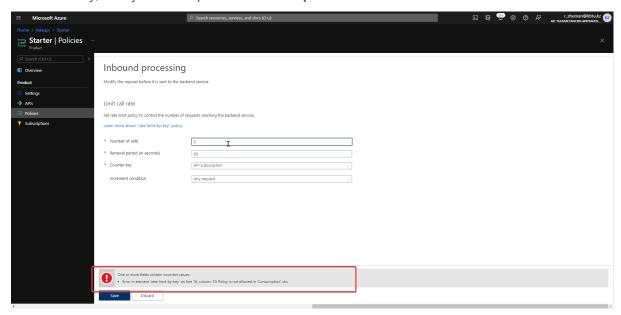
## Starter



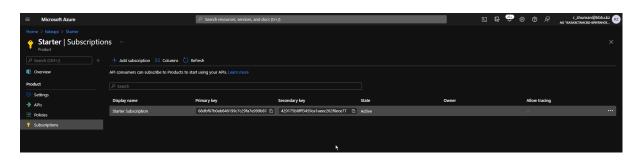
### Unlimited



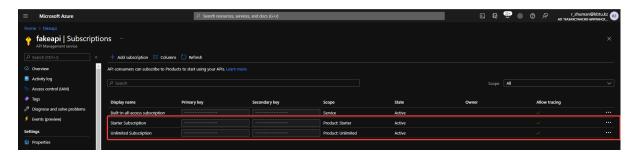
Unfortunately, in my Consumption sku it is **impossible** to limit the subscriber for **5 calls/min** 



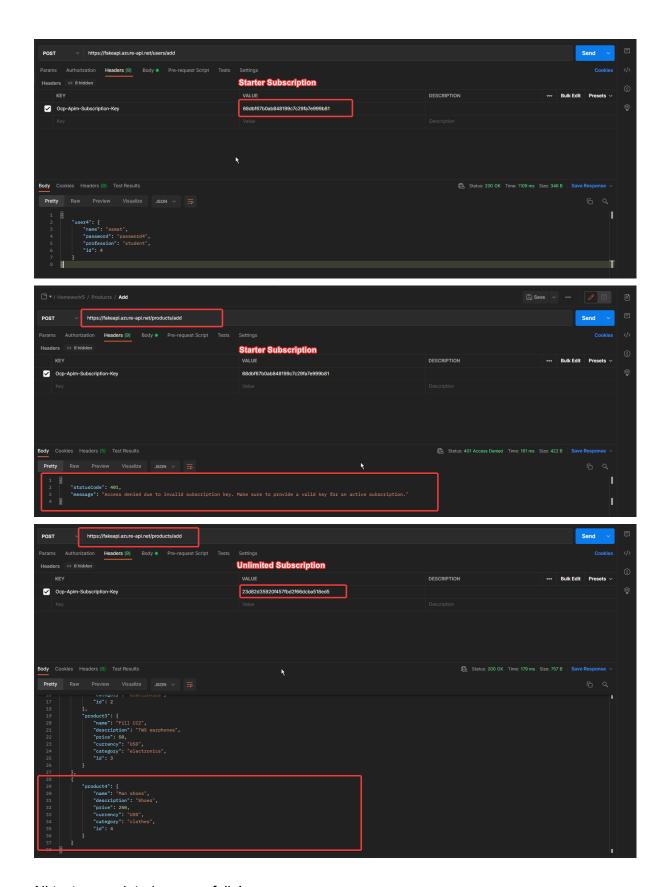
### Add Subscriptions







#### **Tests**



All tests completed successfully!

# Clean up workspace

>> az group delete --name homework5 --no-wait --yes

