

2024년 상반기 K-디지털 트레이닝

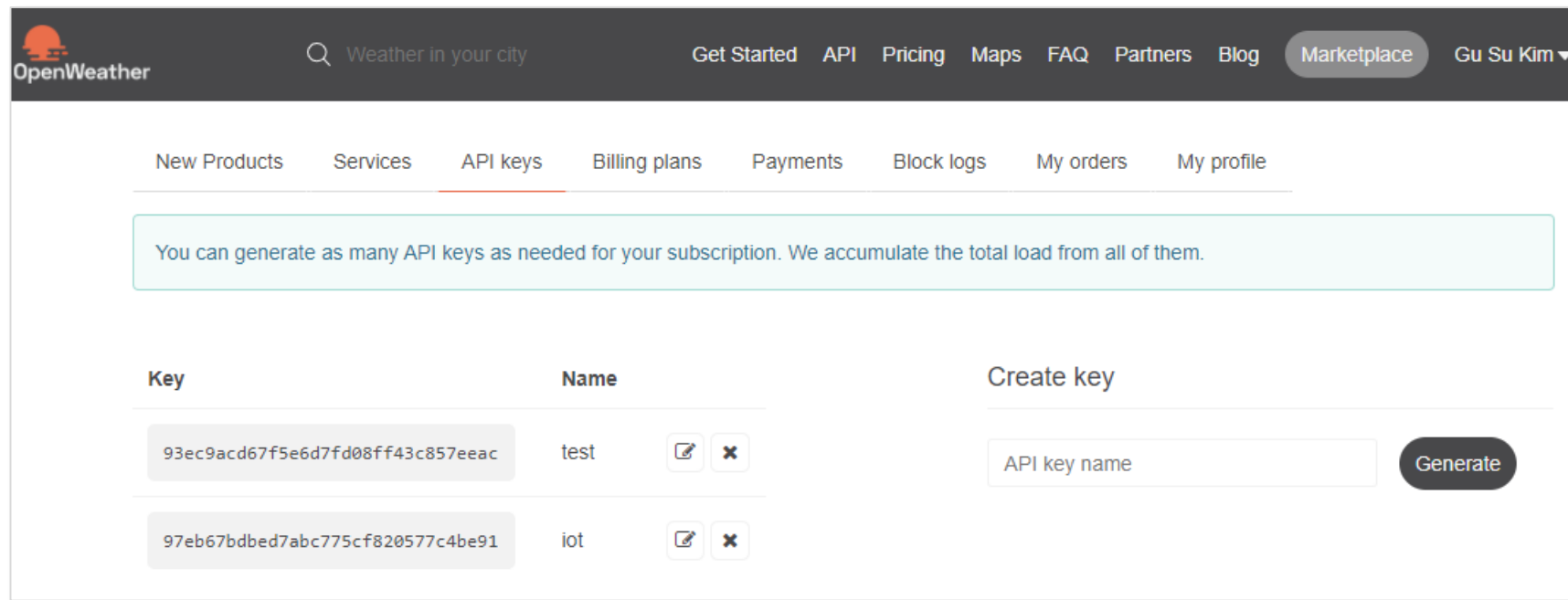
# OpenApi - OpenWeather

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[KB] IT's Your Life

## ✓ openweather

- <https://openweathermap.org/>
- 회원가입 -> 로그인
- API키 발급
  - 회원 가입시 자동 발급



## ✓ api 호출

- `http://api.openweathermap.org/data/2.5/weather?q={city}&APPID={API_KEY}&lang=kr`

`http://api.openweathermap.org/data/2.5/weather?q=seoul&APPID=xxxxxxxxxx&lang=kr`

- 온도는 켈빈 온도값

- 섭씨 변환
  - 켈빈 - 272

- 섭씨 요청하기

`http://api.openweathermap.org/data/2.5/weather?q=seoul&units=metric&APPID=xxxxxxxxxx&lang=kr`

- 위도,경도로 요청하기

`http://api.openweathermap.org/data/2.5/weather?lat=yyy&lon=xxx&units=metric&APPID=xxxxxxxxxx&lang=kr`

## ✓ 결과 json

```
{
  "coord": { "lon": 126.9778, "lat": 37.5683 },
  "weather": [
    { "id": 800, "main": "Clear", "description": "맑음", "icon": "01d" }
  ],
  "base": "stations",
  "main": {
    "temp": 272.82,
    "feels_like": 268.77,
    "temp_min": 272.15,
    "temp_max": 273.15,
    "pressure": 1028,
    "humidity": 34
  },
  "visibility": 10000,
  "wind": { "speed": 1.03, "deg": 120 },
  "clouds": { "all": 0 },
  "dt": 1612420804,
```

## ✓ 결과 json

```
"sys": {  
  "type": 1,  
  "id": 8105,  
  "country": "KR",  
  "sunrise": 1612391603,  
  "sunset": 1612429114  
},  
"timezone": 32400,  
"id": 1835848,  
"name": "Seoul",  
"cod": 200  
}
```

## ✓ 날씨 아이콘 URL

- <http://openweathermap.org/img/w/{icon}.png>

```
{  
  "coord": { "lon": 126.9778, "lat": 37.5683 },  
  "weather": [  
    { "id": 800, "main": "Clear", "description": "맑음", "icon": "01d" }  
  ],  
  "base": "stations",  
  ...  
}
```

- <http://openweathermap.org/img/w/01d.png>

