

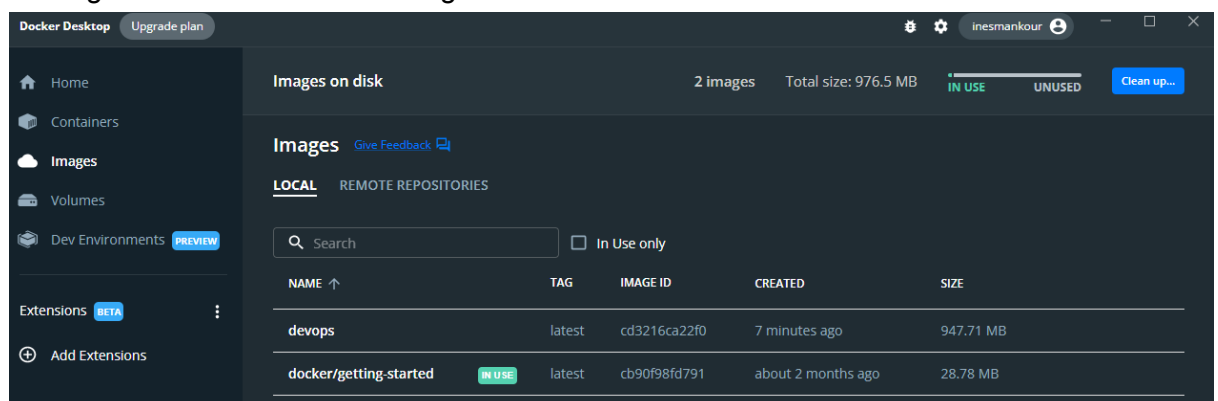
## DEVOPS - DOMINGUES Vincent

### TP3 DOCKER

- Créer un wrapper qui retourne la météo d'un lieu donné avec sa latitude et sa longitude (passées en variable d'environnement) en utilisant openweather API dans le langage de programmation de votre choix (bash, python, go, nodejs, etc)

```
tp3docker.py > ...
1 import requests
2 import os
3 from pprint import pprint
4
5
6 def weather(lat,lon,apiKey):
7     url = 'https://api.openweathermap.org/data/2.5/weather?lat={}&lon={}&appid={}'.format(lat,lon,apiKey)
8     res=requests.get(url)
9     data=res.json()
10    return data
11    #print(res)
12
13    lat = os.environ['LAT']
14    lon = os.environ['LONG']
15    apiKey = os.environ['API_KEY']
16
17    print(weather(lat,lon,apiKey))
```

- Packager son code dans une image Docker



```
PS C:\Users\user\Documents\coursS7\devops> docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
devops              latest         cd3216ca22f0    6 minutes ago  948MB
docker/getting-started latest         cb90f98fd791    7 weeks ago    28.8MB
PS C:\Users\user\Documents\coursS7\devops> docker tag cd3216ca22f0 devops
```

- Mettre à disposition son image sur Docker

```
> Executing task: docker push inesmankour/devops:latest <

The push refers to repository [docker.io/inesmankour/devops]
494d3b72503f: Preparing
290eb0ae0d80: Preparing
f1d79ed57e32: Preparing
23cc41b0ecf4: Preparing
494d3b72503f: Pushed
3e29000d1dc0: Pushed
9fda40ddc568: Pushed
428e1f341db7: Pushed
9ea8d200cd5d: Pushed
13b045a1dfd2: Pushed
2fbabeba902e: Pushed
ee509ed6e976: Pushed
9177197c67d0: Pushed
7dbadf2b9bd8: Pushed
e7597c345c2e: Pushed
latest: digest: sha256:f0797cf5ce45091712e7cb342453ec7b1b701fafd61ec973c1385776cb821479 size: 3470

Terminal will be reused by tasks, press any key to close it.
```

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NAME ↑	TAG	IMAGE ID	CREATED	SIZE
devops	latest	cd3216ca22f0	19 minutes ago	947.71 MB
docker/getting-started	IN USE latest	cb90f98fd791	about 2 months ago	28.78 MB
inesmankour/devops	latest	cd3216ca22f0	19 minutes ago	947.71 MB

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inesmankour / **docker101tutorial**  
Last pushed: 4 hours ago

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- Mettre à disposition son code dans un repository Github

**InesMankour / devops-tpdocker** Public

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Docker_File	Add files via upload	now
requirements.txt	Add files via upload	now
tp3docker.py	Add files via upload	now