

# Лабораторная работа №7:

## 1. Клонирование репозитория

```
PS C:\Users\sambu\OneDrive\Рабочий стол\Учеба в Герцена\III курс\Программирование Python, 3 курс\IP-7> git clone https://github.com/A1adriel/counter-deploy
Cloning into 'counter-deploy'...
remote: Enumerating objects: 108, done.
remote: Counting objects: 100% (108/108), done.
remote: Compressing objects: 100% (80/80), done.
remote: Total 108 (delta 44), reused 28 (delta 6), pack-reused 0 (from 0)
Receiving objects: 100% (108/108), 32.54 KiB | 1.30 MiB/s, done.
Resolving deltas: 100% (44/44), done.
PS C:\Users\sambu\OneDrive\Рабочий стол\Учеба в Герцена\III курс\Программирование Python, 3 курс\IP-7> █
```

## 2. Установка зависимостей

```
PS C:\Users\sambu\OneDrive\Рабочий стол\Учеба в Герцена\III курс\Программирование Python, 3 курс\IP-7\counter-deploy\backend> pip install -r requirements.txt
collecting Flask==2.2.5 (from -r requirements.txt (line 1))
  Downloading Flask-2.2.5-py3-none-any.whl.metadata (3.9 kB)
collecting gunicorn==20.1.0 (from -r requirements.txt (line 2))
  Downloading gunicorn-20.1.0-py3-none-any.whl.metadata (3.8 kB)
collecting redis==4.6.0 (from -r requirements.txt (line 3))
  Downloading redis-4.6.0-py3-none-any.whl.metadata (8.3 kB)
collecting Flask-Cors==3.0.10 (from -r requirements.txt (line 4))
  Downloading Flask_Cors-3.0.10-py2.py3-none-any.whl.metadata (5.4 kB)
collecting python-dotenv==1.0.0 (from -r requirements.txt (line 5))
  Downloading python_dotenv-1.0.0-py3-none-any.whl.metadata (21 kB)
collecting requests==2.31.0 (from -r requirements.txt (line 6))
  Downloading requests-2.31.0-py3-none-any.whl.metadata (4.6 kB)
collecting Werkzeug==2.2.2 (from Flask==2.2.5->-r requirements.txt (line 1))
  Using cached werkzeug-3.1.4-py3-none-any.whl.metadata (4.0 kB)
```

```
Using cached werkzeug-3.1.4-py3-none-any.whl (224 kB)
Installing collected packages: Werkzeug, requests, redis, python-dotenv, gunicorn, Flask, Flask-Cors
  Attempting uninstall: Werkzeug
    Found existing installation: Werkzeug 2.0.3
    Uninstalling Werkzeug-2.0.3:
      Successfully uninstalled Werkzeug-2.0.3
  Attempting uninstall: requests
    Found existing installation: requests 2.32.3
    Uninstalling requests-2.32.3:
      Successfully uninstalled requests-2.32.3
  Attempting uninstall: Flask
    Found existing installation: Flask 2.0.3
    Uninstalling Flask-2.0.3:
      Successfully uninstalled Flask-2.0.3
Successfully installed Flask-2.2.5 Flask-Cors-3.0.10 Werkzeug-3.1.4 gunicorn-20.1.0 python-dotenv-1.0.0 redis-4.6.0 requests-2.31.0
PS C:\Users\sambu\OneDrive\Рабочий стол\Учеба в Герцена\III курс\Программирование Python, 3 курс\IP-7\counter-deploy\backend> █
```

## 3. Запуск программы

```
PS C:\Users\sambu\OneDrive\Рабочий стол\Учеба в Герцена\III курс\Программирование Python, 3 курс\IP-7\counter-deploy> docker compose up --build
Compose can now delegate builds to bake for better performance.
To do so, set COMPOSE_BAKE=true.
[+] Building 1.8s (22/22) FINISHED
```

```
[+] Running 3/3
✓ app Built
✓ Container counter-deploy-redis-1 Created
✓ Container counter-deploy-app-1 Recreated
Attaching to app-1, redis-1
```

## Счётчик

Значение: 17

- + Сброс

## Запуск приложения на Play with docker

### 1. Клонирование репозитория

labs.play-with-docker.com Docker Playground

01:57:31

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.34 node1

GIVE FEEDBACK

d55qpba9\_d55qpcq91nsg00fgddd0

IP: 192.168.0.34 OPEN PORT

Memory: 1.10% (44.14MiB / 3.906GiB) CPU: 0.18%

SSH: ssh ip172-18-0-26-d55qpba91nsg00fgddcg@direct.labs.plk

DELETE EDITOR

```
#####
# WARNING!!!!                                     #
# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are #
# completely the user's responsibilities.                 #
# The PWD team.                                           #
#####
[node1] (local) root@192.168.0.34 ~
$ git clone https://github.com/Aladriel/counter-deploy
Cloning into 'counter-deploy'...
remote: Enumerating objects: 108, done.
remote: Counting objects: 100% (108/108), done.
remote: Compressing objects: 100% (80/80), done.
remote: Total 108 (delta 44), reused 28 (delta 6), pack-reused 0 (from 0)
Receiving objects: 100% (108/108), 32.54 KiB | 2.50 MiB/s, done.
Resolving deltas: 100% (44/44), done.
[node1] (local) root@192.168.0.34 ~
$
```

### 2. Запуск программы

```
$ cd counter-deploy
[node1] (local) root@192.168.0.34 ~/counter-deploy
$ docker-compose up -d
[+] Running 9/9
✓ redis Pulled 3.8s
✓ f637881d1138 Pull complete 0.8s
✓ 60c57c0072ef Pull complete 0.9s
✓ fc4343b4accd Pull complete 1.2s
✓ 380e8aa8b1fd Pull complete 1.3s
✓ c70aae7b5e0d Pull complete 2.0s
✓ 232f7549c9b0 Pull complete 2.0s
✓ 4f4fb700ef54 Pull complete 2.1s
✓ d75b3becd998 Pull complete 2.1s
[+] Building 63.0s (19/20) docker:default
[+] Building 63.3s (19/20) docker:default
[+] Building 67.2s (22/22) FINISHED docker:default
=> [app internal] load build definition from Dockerfile 0.0s
=> => transferring dockerfile: 858B 0.0s
=> WARN: FromAsCasing: 'as' and
=> [app internal] load metadata for docker.io/library/node:16 1.4s
We'd love to hear about your usage of Play with Docker. Please take a moment to fill out our survey. TAKE SURVEY NOT NOW
```

# Счётчик

Значение: 6

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Сброс