

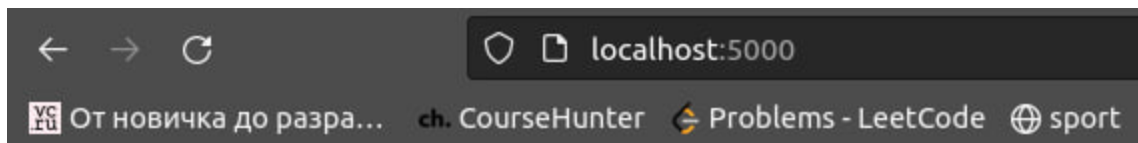
Lab 2

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Task 1: Dockerize Your Application

Build and tun

```
khays@khays:~/DevOps/course-labs/app_python$ sudo docker build -t khays/khays-python-app:latest .
[+] Building 0.7s (10/10) FINISHED
=> [internal] load build definition from Dockerfile
=> == transferring dockerfile: 263B
=> [internal] load .dockerignore
=> == transferring context: 2B
=> [internal] load metadata for docker.io/library/python:3.8-slim-buster
=> [1/5] FROM docker.io/library/python:3.8-slim-buster@sha256:8799b0564f03a9f36cfb8a6e1c5d2e1a9aef2e3bb214e2adc23982b36a84511
=> [internal] load build context
=> == transferring context: 131B
=> CACHED [2/5] WORKDIR /app
=> CACHED [3/5] COPY . /app
=> CACHED [4/5] RUN pip install --trusted-host pypi.python.org --upgrade pip
=> CACHED [5/5] RUN pip install --trusted-host pypi.python.org -r requirements.txt
=> exporting to image
=> exporting layers
=> == writing image sha256:67658abfd6011cd071ed000fa28d18400db000ade194f00857627073744f49
=> == naming to docker.io/khays/khays-python-app:latest
khays@khays:~/DevOps/course-labs/app_python$ sudo docker run -p 5000:5000 khays/khays-python-app:latest
* Serving Flask app "app" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://172.17.0.2:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 535-584-341
```



Current time in Moscow: 01:48:23

Push Image

```
khays@khays: ~/DevOps/core-course-labs/app_python$
khays@khays:~/DevOps/core-course-labs/app_python$ sudo docker push khays/khays-python-app:latest
The push refers to repository [docker.io/khays/khays-python-app]
607add192081: Pushed
0d911c5426dd: Pushed
b57d96cd271d: Pushed
b92af08200bc: Pushed
e6c5004ee77f: Mounted from library/python
997b8e79e84f: Mounted from library/python
3054512b6f71: Mounted from library/python
ae2d55769c5e: Mounted from library/python
e2ef8a51359d: Mounted from library/python
latest: digest: sha256:5e62be73eb0435f7f42b85a1c37f3845ae3ecb82a765aae3f361cfc38ecd0a91 size: 2206
khays@khays:~/DevOps/core-course-labs/app_python$
```

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khays

khays
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khays-python-app
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Add a short description for this repository

The short description is used to index your content on Docker Hub and in search engines. It's visible to users in search results.

[Update](#)

khays / khays-python-app

Description

This repository does not have a description [✎](#)

Last pushed: 3 minutes ago

Docker commands

To push a new tag to this repository:

```
docker push khays/khays-python-app:tagname
```

[Public View](#)

Tags

This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
latest		Image	---	3 minutes ago

[See all](#) [Go to Advanced Image Management](#)

Automated Builds

Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions. [Read more about automated builds](#)

[Upgrade](#)

Pull and run image

```
Terminal Shell Edit View Window Help
vardidzerostomtarielovich — vardidzerostomtarielovich@MacBook-Pro-Vardidze — zsh — 135x37

Last login: Wed Sep 13 01:53:43 on console
[~] docker pull khays/khays-python-app
Using default tag: latest
latest: Pulling from khays/khays-python-app
8b91b88d5577: Pull complete
824416e23423: Pull complete
8f777578c172: Pull complete
cbfea27109a8: Pull complete
276dfcf5deff: Pull complete
231378a5c3ab: Pull complete
6d6b25bf67e3: Pull complete
0a9a63aa98f4: Pull complete
4bee45f57118: Pull complete
Digest: sha256:5e62be73eb0435f7f42b85a1c37f3845ae3ecb82a765aae3f361cfc38ecd0a91
Status: Downloaded newer image for khays/khays-python-app:latest
docker.io/khays/khays-python-app:latest

What's Next?
View summary of image vulnerabilities and recommendations → docker scout quickview khays/khays-python-app
[~] took 22s at 02:22:33 AM
```

```
Terminal Shell Edit View Window Help
vardidzerostomtarielovich — vardidzerostomtarielovich@MacBook-Pro-Vardidze — zsh — 135x37

[~] docker images
REPOSITORY                                TAG      IMAGE ID      CREATED
SIZE
khays/khays-python-app                    latest   67668abfd661  About an hour
ago 141MB
norilsk-tours-frontend-backend            latest   0560e6093cce  2 days ago
749MB
norilsk_tourism_frontend                  latest   e04eceba2e12  3 days ago
148MB
norilsk-tours-frontend-frontend            latest   06a0130e9445  3 days ago
148MB
registry.gitlab.com/webinnovations-client-projects/norilsk/norilk-tourism/norilsk-tours  test     6067583d6198  7 days ago
758MB
registry.gitlab.com/webinnovations-client-projects/norilsk/norilk-tourism/norilsk-tours-minio test     337b2e3364dd  11 months ago
218MB
registry.gitlab.com/webinnovations-client-projects/ec-80020-xml/80020-xml-db            test     83efe9bd2da6  13 months ago
216MB

[~] docker run --rm -p 3000:5000 --name=khays-app khays/khays-python-app
WARNING: The requested image's platform (linux/amd64) does not match the detected host platform (linux/arm64/v8) and no specific platform was requested
* Serving Flask app 'app' (lazy loading)
* Environment: production
WARNING: This is a development server. Do not use it in a production deployment.
Use a production WSGI server instead.
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://172.17.0.2:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 105-559-623
```

