

Лабораторная работа 6

Билдим наше приложение с помощью докеркомпози, который использует докер файлы из папок с приложениями Go

```
PS C:\Users\Ольга\Documents\3 курс\ПИТ\ЛР_6> docker compose build
[+] Building 0.0s (0/0)  docker:default
[+] Building 0.0s (0/0)  docker:default reading preface from client //./pipe/docker_engine: file has already been closed
[+] Building 0.0s (0/0)  docker:default reading preface from client //./pipe/docker_engine: file has already been closed
[+] Building 0.0s (0/0)  docker:default reading preface from client //./pipe/docker_engine: file has already been closed
[+] Building 61.2s (19/24)
=> [go-ping-pong-instance=1 builder 4/6] RUN go mod download
```

Пушим на Docker Hub

```
PS C:\Users\Ольга\Documents\3 курс\ПИТ\ЛР_6> docker compose push
[+] Pushing 0/6
- Pushing vasiliza2002/go-ping-pong-service:instance1: 41273b4dfaa2 Pushing  [>
[+] Pushing 0/6liza2002/go-ping-pong-service:instance2: 427c5fe278d2 Preparing
- Pushing vasiliza2002/go-ping-pong-service:instance1: 41273b4dfaa2 Pushing  [>
[+] Pushing 0/6liza2002/go-ping-pong-service:instance1: f60f6b9e8f30 Preparing
- Pushing vasiliza2002/go-ping-pong-service:instance1: 41273b4dfaa2 Pushing  [>
[+] Pushing 0/6liza2002/go-ping-pong-service:instance1: f60f6b9e8f30 Preparing
- Pushing vasiliza2002/go-ping-pong-service:instance1: 41273b4dfaa2 Pushing  [>
[+] Pushing 0/6liza2002/go-ping-pong-service:instance1: f60f6b9e8f30 Preparing
- Pushing vasiliza2002/go-ping-pong-service:instance1: 41273b4dfaa2 Pushing  [=>
[+] Pushing 0/6liza2002/go-ping-pong-service:instance1: f60f6b9e8f30 Preparing
- Pushing vasiliza2002/go-ping-pong-service:instance1: 41273b4dfaa2 Pushing  [=====>
[+] Pushing 0/6liza2002/go-ping-pong-service:instance1: f60f6b9e8f30 Preparing
- Pushing vasiliza2002/go-ping-pong-service:instance1: 41273b4dfaa2 Pushing  [=====>
[+] Pushing 0/6liza2002/go-ping-pong-service:instance1: f60f6b9e8f30 Preparing
```

docker compose на сервере

GNU nano 6.2

services:

go-ping-pong-instance-1:

image: vasiliza2002/go-ping-pong-service:instance1

container_name: go-ping-pong-1

environment:

- APP_PORT=8080

- PONG_MESSAGE=Greetings from Go App Instance 1!

ports:

- "8091:8091"

restart: always

go-ping-pong-instance-2:

image: vasiliza2002/go-ping-pong-service:instance2

container_name: go-ping-pong-2

environment:

- APP_PORT=8080

- PONG_MESSAGE=Hello from Go App Instance 2!

ports:

- "8092:8092"

restart: always

```
[root@art-labs:~/vasilizalr2_lab6# docker compose pull
```

```
[+] Pulling 6/6
```

```
✓ go-ping-pong-instance-1 Pulled
```

```
✓ 86e686ace089 Pull complete
```

```
✓ go-ping-pong-instance-2 Pulled
```

```
✓ fe07684b16b8 Already exists
```

```
✓ 59b536c823c2 Already exists
```

```
✓ 540626a0b607 Pull complete
```

```
root@art-labs:~/vasilizalr2_lab6#
```

поднимаем контейнеры

```
root@art-labs:~/vasilizalr2_lab6# docker compose up -d
```

```
[+] Running 2/2
```

```
✓ Container go-ping-pong-2 Started
```

```
✓ Container go-ping-pong-1 Started
```

```
root@art-labs:~/vasilizalr2_lab6# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
66d0bcb9bb0	vasiliza2002/go-ping-pong-service:instance1	"/app"	4 seconds ago	Up 4 seconds	0.0.0.0:8091->8091/tcp, [::]:8091->8091/tcp	go-ping-pong-1
14b8c5e1b44c	vasiliza2002/go-ping-pong-service:instance2	"/app"	4 seconds ago	Up 4 seconds	0.0.0.0:8092->8092/tcp, [::]:8092->8092/tcp	go-ping-pong-2
f632bcb7f93f	vasiliza2002/vasilizalr2	"/app"	13 minutes ago	Up 13 minutes	0.0.0.0:8089->8089/tcp, [::]:8089->8089/tcp	go-echo

```
root@art-labs:~/vasilizalr2_lab6#
```

настройка nginx

```

location /vasilizalr2-service2/ {
    proxy_pass          http://127.0.0.1:8091/;
    proxy_http_version 1.1;
    proxy_set_header    Upgrade          $http_upgrade;
    proxy_set_header    Connection       keep-alive;
    proxy_set_header    Host             $host;
    proxy_set_header    X-Real-IP        $remote_addr;
    proxy_set_header    X-Forwarded-For  $proxy_add_x_forwarded_for;
    proxy_set_header    X-Forwarded-Proto $scheme;
    proxy_redirect      off;
}

# 5) Go-сервис instance2 (порт 8092) по пути /service2/
location /vasilizalr2-service1/ {
    proxy_pass          http://127.0.0.1:8092/;
    proxy_http_version 1.1;
    proxy_set_header    Upgrade          $http_upgrade;
    proxy_set_header    Connection       keep-alive;
    proxy_set_header    Host             $host;
    proxy_set_header    X-Real-IP        $remote_addr;
    proxy_set_header    X-Forwarded-For  $proxy_add_x_forwarded_for;
    proxy_set_header    X-Forwarded-Proto $scheme;
    proxy_redirect      off;
}

```

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Привет от порта 8092

← → ↻ 🏠 🌐 postavtezachet.ru/vasilizalr2-service2/

Привет от порта 8091