Домашнее задание Урок 8

1. Переустановить операционную систему, подключить репозиторий Docker.

sudo apt-get install apt-transport-https ca-certificates curl gnupg-agent software-properties-common-y curl -fsSL https://download.docker.com/linux/ubuntu/gpg | apt-key add - add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu \$(Isb_release -cs) stable" sudo apt update sudo apt install docker-c

2. Запустить контейнер с Ubuntu.

docker pull ubuntu

docker run -- detach -- rm -- name sleep ubuntu sleep 300

3. * Используя Dockerfile, собрать связку nginx + PHP-FPM в одном контейнере.

Я пошел таким путем: вот по этой статье https://losst.ru/ustanovka-nginx-i-php-fpm-v-ubuntu-20-04, я настроил nginx и php в своем сервере попутно записывая конфиги, которые правил.

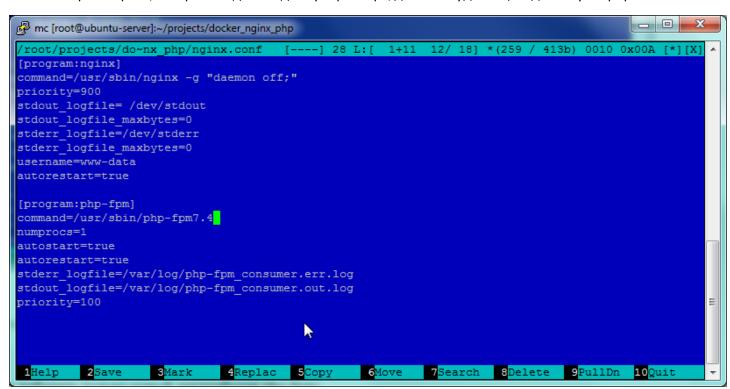
Это файл настройки сайта по умолчанию default, который копируется в /etc/nginx/sites-available/default, в нем задается адрес куда nginx шлет запросы:

```
mc [root@ubuntu-server]:~/projects/docker_nginx_php
root/projects/do~nginx_php/default
              -># as directory, then fall back to displaying a 404.
               >try files $uri $uri/ =404;
       pass PHP scripts to FastCGI server
       >location ~ \.php$ {
             -->include snippets/fastcgi-php.conf;
              -># With php-fpm (or other unix sockets):
              ->fastcgi pass unix:/var/run/php/php7.4-fpm.sock;
              -># With php-cgi (or other tcp sockets):
            --->fastcgi_pass 127.0.0.1:9000;
             -->fastcgi_param SCRIPT_FILENAME /scripts$fastcgi_script_name;
            --->include /etc/nginx/fastcgi params;
        # deny access to .htaccess files, if Apache's document root
         concurs with nginx's one
       >#location ~ /\.ht {
              ->deny all;
                             4Replac 5Copy
                                                 6Move
                                                          7Search 8Delete 9PullDn 10Quit
```

Файл настройки php <u>www.conf</u>, который копируется в /etc/php/7.4/fpm/pool.d/www.conf, в нем указывается адрес и порт сервиса:

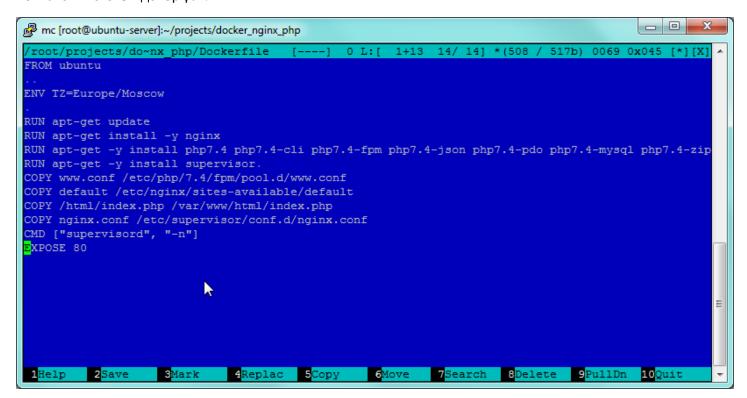
```
- 0
mc [root@ubuntu-server]:~/projects/docker_nginx_php
                                         --] 23 L:[ 30+ 0 30/440] *(905 /19629b) 0114
root/projects/do~inx_php/www.conf
    '[ip:6:addr:ess]:po<mark>r</mark>t' - to listen on a TCP socket to a specific IPv6 address on
                             a specific port;
    'port'
                             to listen on a TCP socket to all addresses
                             (IPv6 and IPv4-mapped) on a specific port;
    '/path/to/unix/socket' - to listen on a unix socket.
 Note: This value is mandatory.
;listen = /run/php/php7.4-fpm.sock
 Set listen(2) backlog.
 Default Value: 511 (-1 on FreeBSD and OpenBSD)
;listen.backlog = 511
; Set permissions for unix socket, if one is used. In Linux, read/write
 permissions must be set in order to allow connections from a web server. Many
 BSD-derived systems allow connections regardless of permissions.
 Default Values: user and group are set as the running user
                 mode is set to 0660
listen.owner = www-data
listen.group = www-data
;listen.mode = 0660
 When POSIX Access Control Lists are supported you can set them using
                                                           7Search 8Delete 9PullDn 10Quit
        2Save
                    3Mark
                             4Replac 5Copy
                                                  6
Move
```

Так же поправил файл, который вы давали для супервизора, добавил туда секцию для запуска php:



В каталоге html файл index.php, там одна строка phpinfo()

Вот такой итоговый докер файл:



Собираем:

docker build -t kto/web-server:v1.

Останавливаем nginx и запускаем докер образ:

dockerrun --name web_server-d-p 80:80 kto/web-server:v1

```
- 0
proot@ubuntu-server: ~
    Process: 18110 ExecStop=/sbin/start-stop-daemon --quiet --stop --retry QUIT/5
   Main PID: 18040 (code=exited, status=0/SUCCESS)
Oct 18 15:23:43 ubuntu-server systemd[1]: Starting A high performance web server and a r
   18 15:23:43 ubuntu-server systemd[1]: Started A high performance web server and a re
    18 15:25:35 ubuntu-server systemd[1]: Stopping A high performance web server and a r
    18 15:25:35 ubuntu-server systemd[1]: nginx.service: Succeeded.
Oct 18 15:25:35 ubuntu-server systemd[1]: Stopped A high performance web server and a re
root@ubuntu-server:~# systemctl status nginx
 nginx.service - A high performance web server and a reverse proxy server
    Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
     Active: inactive (dead) since Mon 2021-10-18 15:25:35 UTC; 31min ago
       Docs: man:nginx(8)
    Process: 18037 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master process on;
    Process: 18039 ExecStart=/usr/sbin/nginx -g daemon on; master process on; (code=exi
    Process: 18110 ExecStop=/sbin/start-stop-daemon --quiet --stop --retry QUIT/5 --pid>
   Main PID: 18040 (code=exited, status=0/SUCCESS)
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Oct 18 15:25:35 ubuntu-server systemd[1]: nginx.service: Succeeded.
Oct 18 15:25:35 ubuntu-server systemd[1]: Stopped A high performance web server and a r>
lines 1-14/14 (END)
```

```
💤 root@ubuntu-server: ~
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Oct 18 15:25:35 ubuntu-server systemd[1]: nginx.service: Succeeded.
Oct 18 15:25:35 ubuntu-server systemd[1]: Stopped A high performance web server and a r>
You have new mail in /var/mail/root
root@ubuntu-server:~# docker ps -a
CONTAINER ID
               IMAGE
                                   COMMAND
                                                       CREATED
                                                                        STATUS
ORTS
                                   NAMES
                                                                                          E
               kto/web-server:v1
c2d5ac64984b
                                   "supervisord -n"
                                                      12 minutes ago
                                                                        Up 12 minutes
.0.0.0:80->80/tcp, :::80->80/tcp
                                   web server
root@ubuntu-server:~#
```

Переходим по адресу 192.168.25.104/index.php

