

Задание 1:

Установите и настройте Nginx. Создайте html-страничку, где будет указана ваша фамилия и тема урока. Настройте конфигурацию nginx для отображения страницы по ссылке <http://tms.by>

```
anex13@anextmshsrv:~/Мисько/hw15$ 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: active (running) since Tue 2024-05-28 04:52:32 UTC; 1 week 6 days ago
     Docs: man:nginx(8)
   Main PID: 883 (nginx)
    Tasks: 5 (limit: 9388)
   Memory: 10.6M
      CPU: 51ms
   CGroup: /system.slice/nginx.service
           └─883 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
           └─884 "nginx: worker process"
           └─885 "nginx: worker process"
```

Скопируем и поправим дефолт конфиг

```
sudo cp /etc/nginx/sites-available/default /etc/nginx/sites-available/tms
```

```
server {
    listen tms.by;

    root /var/www/tms;

    # Add index.php to the list if you are using PHP
    index index.html;

    server_name tms;
```

Создадим /var/www/tms/index.html

```
GNU nano 6.2 /var/www/tms/index.html *
Мисько Роман Web серверы
```

Добавим ссылку на конфиг в сайты-авэйлибл

```
sudo ln -s /etc/nginx/sites-available/tms /etc/nginx/sites-enabled/tms
```

```
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
anex13@anextmshsrv:/etc/nginx$ sudo nginx -s reload
anex13@anextmshsrv:/etc/nginx$ curl tms.by
Мисько Роман Web серверы
anex13@anextmshsrv:/etc/nginx$
```

Задание 2 (опционально)

Настройте связку Nginx + Apache. Nginx выступает в качестве reverse proxy.

Установим апач и настроим его на порт 8080

```

GNU nano 6.2 /etc/apache2/ports.conf *
# If you just change the port or add more ports here, you will likely also
# have to change the VirtualHost statement in
# /etc/apache2/sites-enabled/000-default.conf

Listen 8080

<IfModule ssl_module>
    Listen 80443
</IfModule>

<IfModule mod_gnutls.c>
    Listen 80443
</IfModule>

# vim: syntax=apache ts=4 sw=4 sts=4 sr noet

```

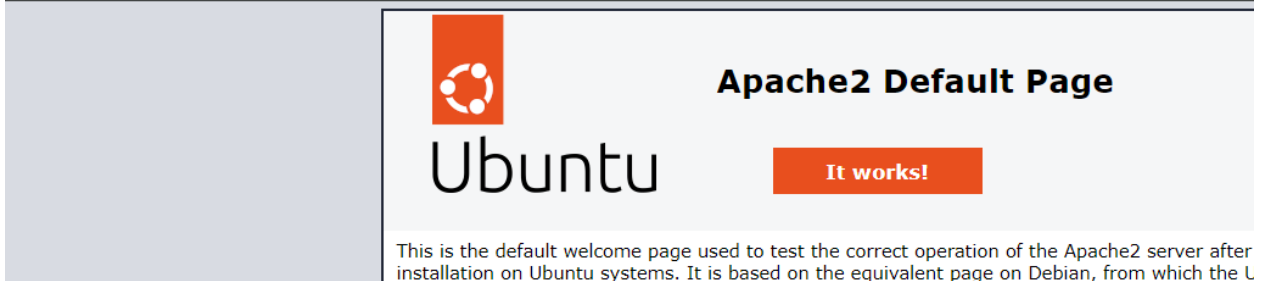
Перезапустим сервер и проверим работу

```

anex13@anextmshwsrv:/etc/nginx$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Mon 2024-06-10 06:48:11 UTC; 57s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 46327 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
    Main PID: 46331 (apache2)
      Tasks: 55 (limit: 9388)
     Memory: 5.1M
        CPU: 51ms
    CGroup: /system.slice/apache2.service
            └─46331 /usr/sbin/apache2 -k start
              └─46332 /usr/sbin/apache2 -k start
                └─46333 /usr/sbin/apache2 -k start

```

10.50.20.60:8080



Создадим новый индекс и отредактируем дефолтный конфиг

```

GNU nano 6.2 /etc/apache2/sites-enabled/000-default.conf
VirtualHost *:8080>
# The ServerName directive sets the request scheme, hostname and port that
# the server uses to identify itself. This is used when creating
# redirection URLs. In the context of virtual hosts, the ServerName
# specifies what hostname must appear in the request's Host: header to
# match this virtual host. For the default virtual host (this file) this
# value is not decisive as it is used as a last resort host regardless.
# However, you must set it for any further virtual host explicitly.
#ServerName www.example.com

ServerAdmin webmaster@localhost
DocumentRoot /var/www/tms2

# Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
# error, crit, alert, emerg.
# It is also possible to configure the loglevel for particular
# modules, e.g.
#LogLevel info ssl:warn

ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined

# For most configuration files from conf-available/, which are
# enabled or disabled at a global level, it is possible to
# include a line for only one particular virtual host. For example the
# following line enables the CGI configuration for this host only

```

Перезапустим проверим

```

anex13@anextmshwsrv:/etc/nginx$ curl localhost:8080
Запущено в апаче

```

Добавим в нджинкс новый прокси конфиг

```

GNU nano 6.2 /etc/nginx/sites-available/tms2 *
server {
    listen tms2.by;
    server_name prox_apache;
    location / {
        proxy_pass http://127.0.0.1:8080;
        proxy_set_header Host $host;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header X-Forwarded-For
        $proxy_add_x_forwarded_for;
    }
}

```

```

$ sudo ln -s /etc/nginx/sites-available/tms2 /etc/nginx/sites-enabled/tms2

```

```

anex13@anextmshwsrv:/etc/nginx$ sudo nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
anex13@anextmshwsrv:/etc/nginx$

```

```

anex13@anextmshwsrv:/etc/nginx$ sudo nano /etc/nginx/sites-enabled/tms2
anex13@anextmshwsrv:/etc/nginx$ sudo systemctl restart nginx
anex13@anextmshwsrv:/etc/nginx$ curl tms2.by
Запущено в апаче
anex13@anextmshwsrv:/etc/nginx$

```