

## Домашняя работа №16

```
zokmi4 — root@i-15879-54500-VM: /etc/nginx/sites-available — ssh • sudo — 124x34
nginx: [emerg] invalid parameter "zokmi4.anex13.com" in /etc/nginx/sites-enabled/default:22
nginx: configuration file /etc/nginx/nginx.conf test failed
root@i-15879-54500-VM:/etc/nginx/sites-available# nginx -t
nginx: [emerg] invalid parameter "zokmi4.anex13.com" in /etc/nginx/sites-enabled/default:22
nginx: configuration file /etc/nginx/nginx.conf test failed
root@i-15879-54500-VM:/etc/nginx/sites-available# nano default
root@i-15879-54500-VM:/etc/nginx/sites-available# nginx -t
nginx: [emerg] invalid parameter "zokmi4.anex13.com" in /etc/nginx/sites-enabled/default:23
nginx: configuration file /etc/nginx/nginx.conf test failed
root@i-15879-54500-VM:/etc/nginx/sites-available# nano default
root@i-15879-54500-VM:/etc/nginx/sites-available# nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
root@i-15879-54500-VM:/etc/nginx/sites-available# nginx -s reload
root@i-15879-54500-VM:/etc/nginx/sites-available# nano default
root@i-15879-54500-VM:/etc/nginx/sites-available# 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 Sat 2024-06-15 10:58:25 MSK; 39min ago
     Docs: man:nginx(8)
  Main PID: 172227 (nginx)
    Tasks: 3 (limit: 2237)
   Memory: 5.2M
      CPU: 58ms
   CGroup: /system.slice/nginx.service
           └─172227 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
             └─173246 "nginx: worker process"
             └─173247 "nginx: worker process"

Jun 15 10:58:25 i-15879-54500-VM systemd[1]: Starting A high performance web server and a reverse proxy server...
Jun 15 10:58:25 i-15879-54500-VM systemd[1]: Started A high performance web server and a reverse proxy server.

[4]+  Stopped
root@i-15879-54500-VM:/etc/nginx/sites-available#
```

Зашли на сервер и установили nginx

## Прописали в дефолтной конфигурации настройки сайта

```
zokmi4 — root@i-15879-54500-VM: /etc/nginx/sites-available — ssh • sudo — 124x34
GNU nano 6.2                                     default
##
# Default server configuration
#
server {
    listen 80;
    listen [::]:80;

    # SSL configuration
    #
    # listen 443 ssl default_server;
    # listen [::]:443 ssl default_server;
    #
    # Note: You should disable gzip for SSL traffic.
    # See: https://bugs.debian.org/773332
    #
    # Read up on ssl_ciphers to ensure a secure configuration.
    # See: https://bugs.debian.org/765782
    #
    # Self signed certs generated by the ssl-cert package
    # Don't use them in a production server!
    #
    # include snippets/snakeoil.conf;

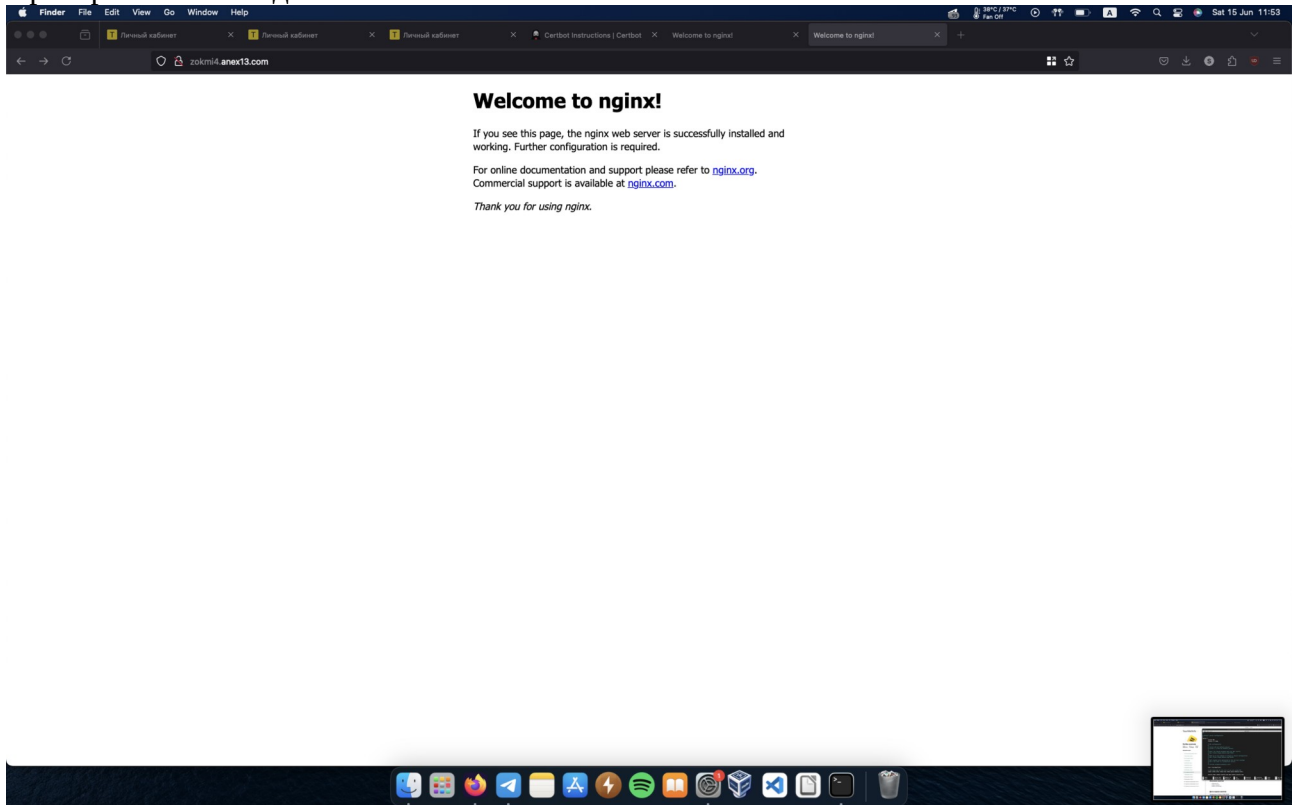
    root /var/www/html;

    # Add index.php to the list if you are using PHP
    index index.html index.htm index.nginx-debian.html;

    server_name zokmi4.anex13.com www.zokmi4.anex13.com;
}

^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location  M-U Undo     M-A Set M...
^X Exit      ^R Read File ^N Replace   ^U Paste     ^J Justify   ^/_ Go To Line M-E Redo     M-6 Copy
```

## Проверили – все поднялось



## Согласно инструкции с сайта устанавливаем certbot и получаем сертификаты

```
(Y)es/(N)o: Y
Account registered.

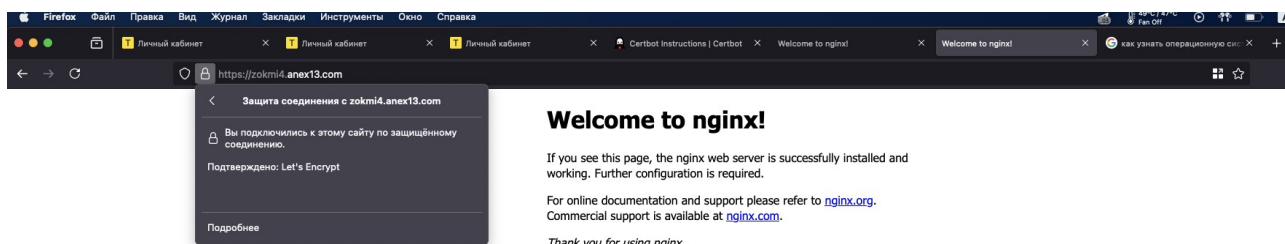
Which names would you like to activate HTTPS for?
We recommend selecting either all domains, or all domains in a VirtualHost/server block.
-----
1: zokmi4.anex13.com
2: www.zokmi4.anex13.com
-----
Select the appropriate numbers separated by commas and/or spaces, or leave input
blank to select all options shown (Enter 'c' to cancel): 1
Requesting a certificate for zokmi4.anex13.com

Successfully received certificate.
Certificate is saved at: /etc/letsencrypt/live/zokmi4.anex13.com/fullchain.pem
Key is saved at: /etc/letsencrypt/live/zokmi4.anex13.com/privkey.pem
This certificate expires on 2024-09-13.
These files will be updated when the certificate renews.
Certbot has set up a scheduled task to automatically renew this certificate in the background.

Deploying certificate
Successfully deployed certificate for zokmi4.anex13.com to /etc/nginx/sites-enabled/default
Congratulations! You have successfully enabled HTTPS on https://zokmi4.anex13.com

-----
If you like Certbot, please consider supporting our work by:
* Donating to ISRG / Let's Encrypt: https://letsencrypt.org/donate
* Donating to EFF: https://eff.org/donate-le
-----
root@i-15879-54500-VM:~#
```

Проверяем наличие сертификатов – все отлично!



Далее согласно инструкции делаем автопродление сертификатов

```
root@i-15879-54500-VM:~# certbot renew --dry-run
Saving debug log to /var/log/letsencrypt/letsencrypt.log

-----
Processing /etc/letsencrypt/renewal/zokmi4.anex13.com.conf
-----
Account registered.
Simulating renewal of an existing certificate for zokmi4.anex13.com

-----
Congratulations, all simulated renewals succeeded:
  /etc/letsencrypt/live/zokmi4.anex13.com/fullchain.pem (success)
-----
root@i-15879-54500-VM:~#
```