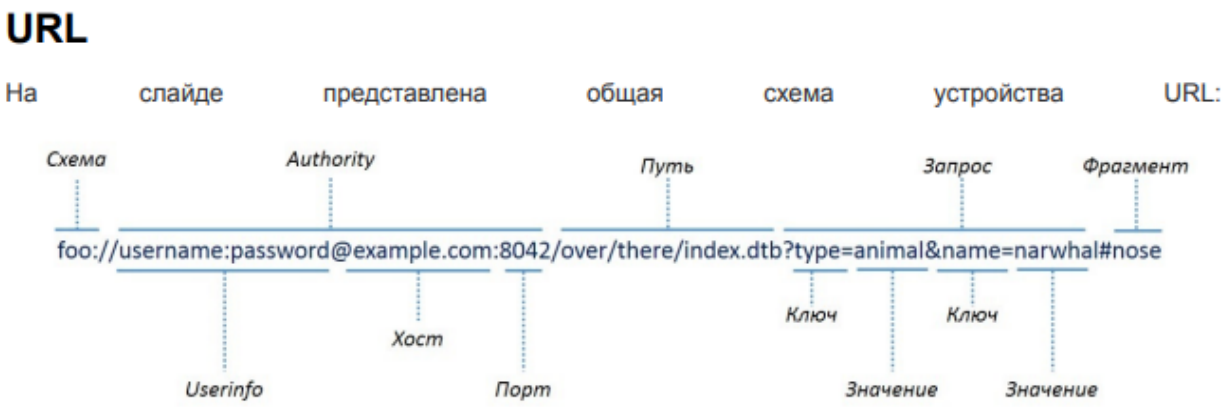
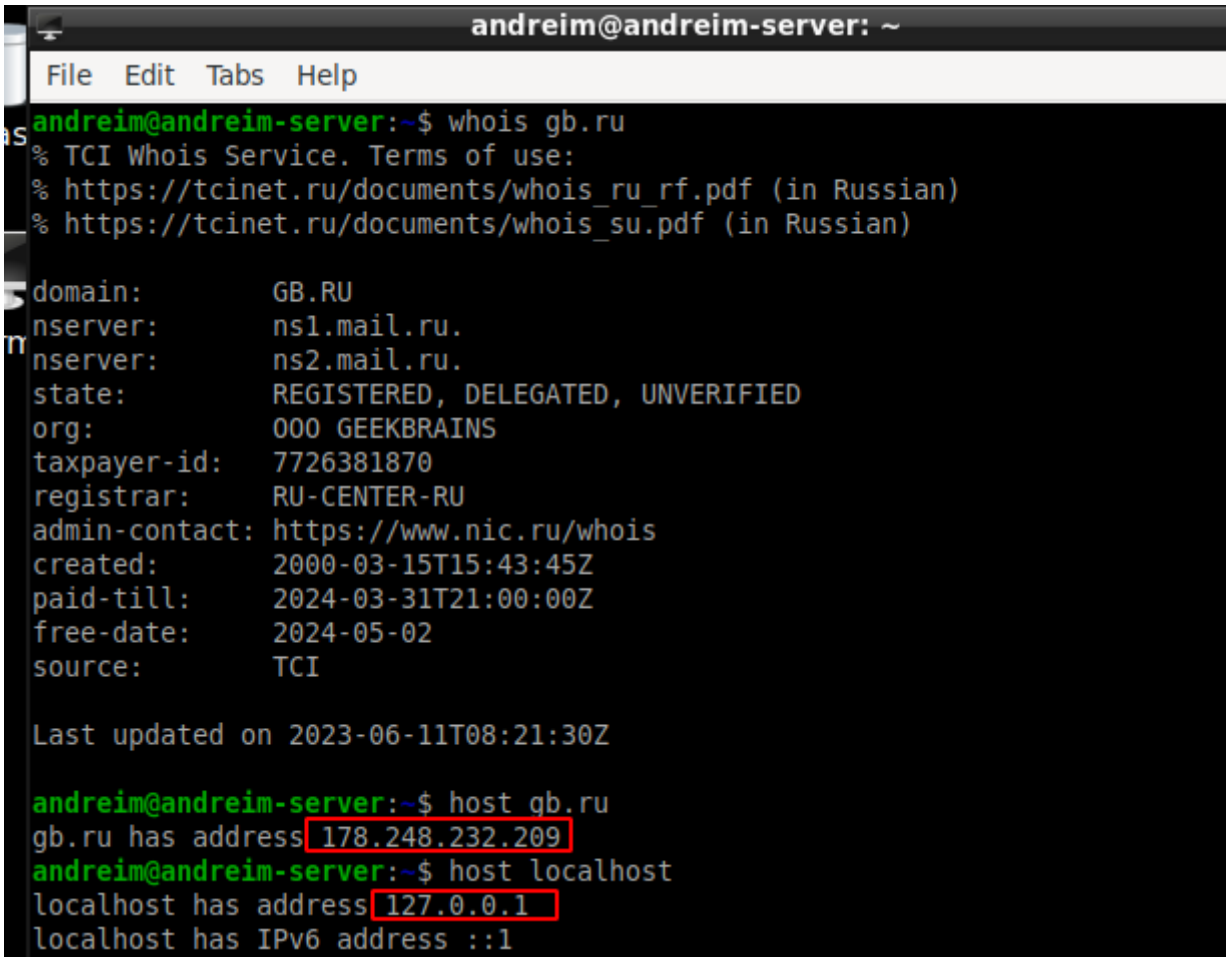
Урок 2. Url

```
sudo dpkg -i obsidian_1.3.5_amd64.deb
sudo apt install flameshot
        P.S. СПС! Отличные программы.
sudo apt install whois
sudo apt install host
```



1. Открыть терминал. Установить программы host и whois (если уже не установлены). Выяснить IP адрес сайта https://geekbrains.ru. Выяснить IP адрес http://localhost.

```
andreim@andreim-server:~$ host geekbrains.ru
geekbrains.ru has address 178.248.232.209
geekbrains.ru mail is handled by 10 emx.mail.ru.
```



whois 178.248.232.209 (gb.ru)

```
andreim@andreim-server:~$ whois 178.248.232.209
% This is the RIPE Database query service.
% The objects are in RPSL format.
%
% The RIPE Database is subject to Terms and Conditions.
% See http://www.ripe.net/db/support/db-terms-conditions.pdf

% Note: this output has been filtered.
%       To receive output for a database update, use the "-B" flag.

% Information related to '178.248.232.209 - 178.248.232.209'

% Abuse contact for '178.248.232.209 - 178.248.232.209' is 'abuse@qrator.net'

inetnum:        178.248.232.209 - 178.248.232.209
netname:        QRATOR-10602
descr:          OOO "GikBreins"
descr:          125167, g.Moskva, Leningradskij pr-kt, d.39, str.79
country:        RU
admin-c:        QL-RIPE
tech-c:         QL-RIPE
status:         ASSIGNED PA
mnt-by:         MNT-QRATOR
mnt-by:         MNT-QROBOT
created:        2020-11-27T16:07:51Z
last-modified:  2020-11-27T16:07:51Z
source:         RIPE
```

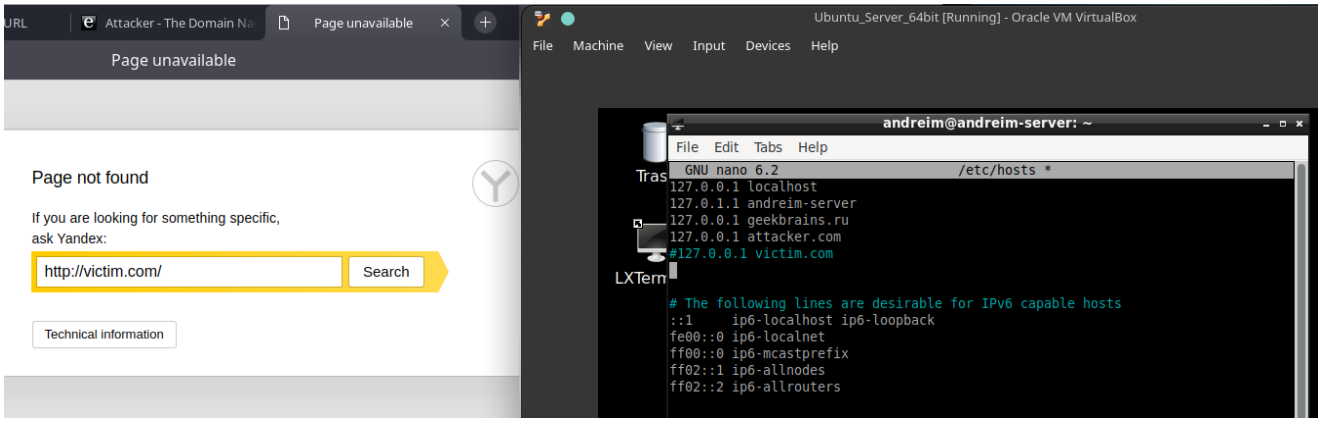
```
role:           HLL
address:        1-y Magistralnyy tupik 5A, Suite D/304
address:        Moscow 123290
address:        Russian Federation
org:            ORG-LA267-RIPE
admin-c:        LA27-RIPE
tech-c:         DS22641-RIPE
tech-c:         AZ2391-RIPE
nic-hdl:        QL-RIPE
mnt-by:         MNT-QRATOR-LIR
created:        2015-11-07T19:21:50Z
last-modified:  2023-05-29T13:32:18Z
source:         RIPE # Filtered
```

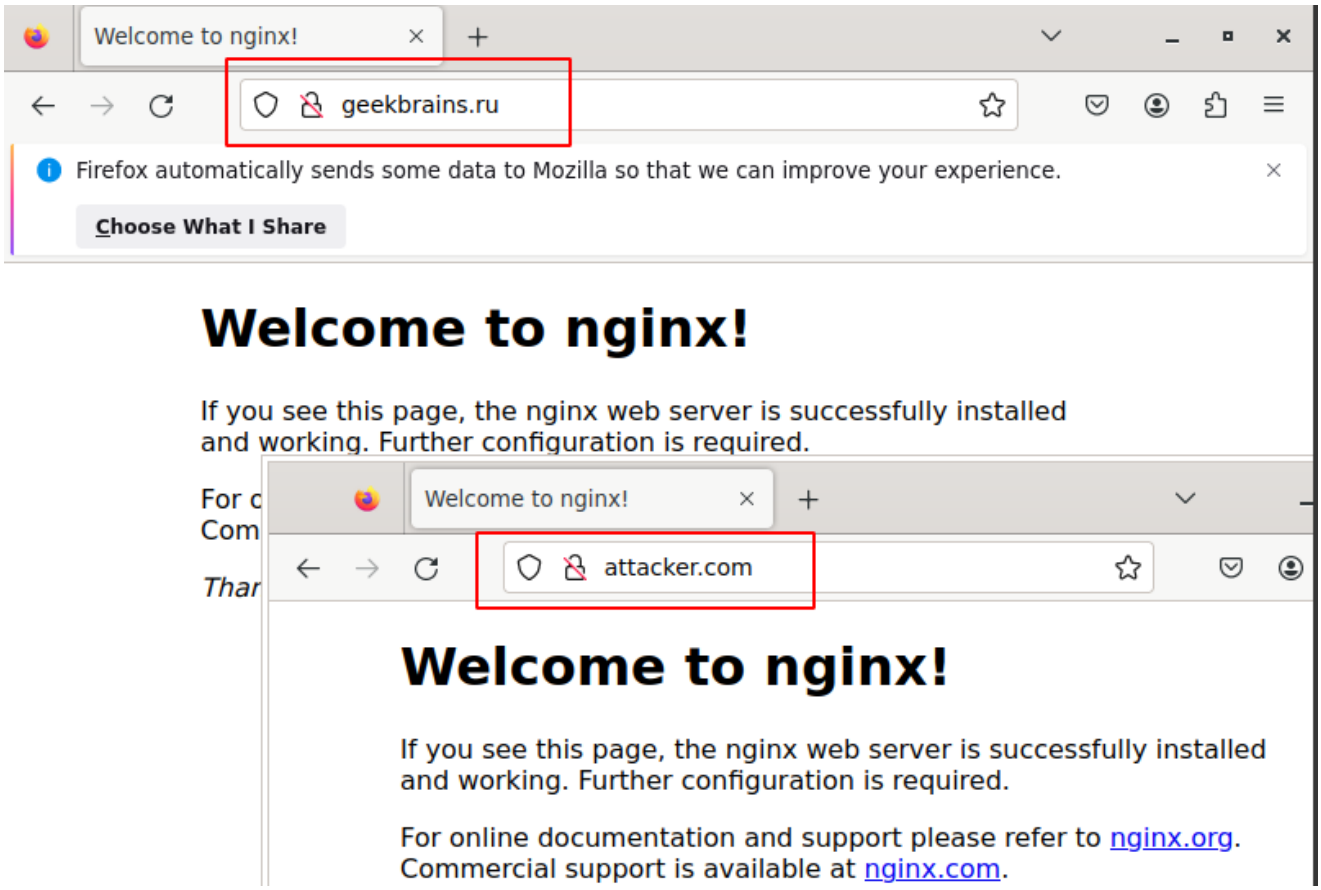
```
% Information related to '178.248.232.0/24AS197068'

route:          178.248.232.0/24
descr:          "HLL" LLC
origin:         AS197068
mnt-by:         MNT-QRATOR
created:        2010-09-07T20:08:15Z
last-modified:  2020-08-18T14:54:02Z
source:         RIPE # Filtered

% Information related to '178.248.232.0/24AS200449'

route:          178.248.232.0/24
descr:          "HLL" LLC
origin:         AS200449
mnt-by:         MNT-QRATOR
created:        2021-04-20T22:35:53Z
last-modified:  2021-04-20T22:35:53Z
source:         RIPE
```

```
source:         RIPE # Filtered

% Information related to '178.248.232.0/24AS200449'

route:          178.248.232.0/24
descr:          "HLL" LLC
origin:         AS200449
mnt-by:         MNT-QRATOR
created:        2021-04-20T22:35:53Z
last-modified:  2021-04-20T22:35:53Z
source:         RIPE

% Information related to '178.248.232.0/24AS51115'

route:          178.248.232.0/24
descr:          HLL
origin:         AS51115
mnt-by:         MNT-QRATOR-LIR
created:        2023-05-29T10:47:07Z
last-modified:  2023-05-29T10:47:07Z
source:         RIPE

% This query was served by the RIPE Database Query Service version 1.106.1 (SHET
LAND)
```

2. Найти файл hosts на своем компьютере (виртуальной машине). Сделать так, чтобы адрес сайта http://attacker.com и http://victim.com соответствовал адрес http://localhost.

```
cat /etc/hosts
(sudo) nano /etc/hosts
```

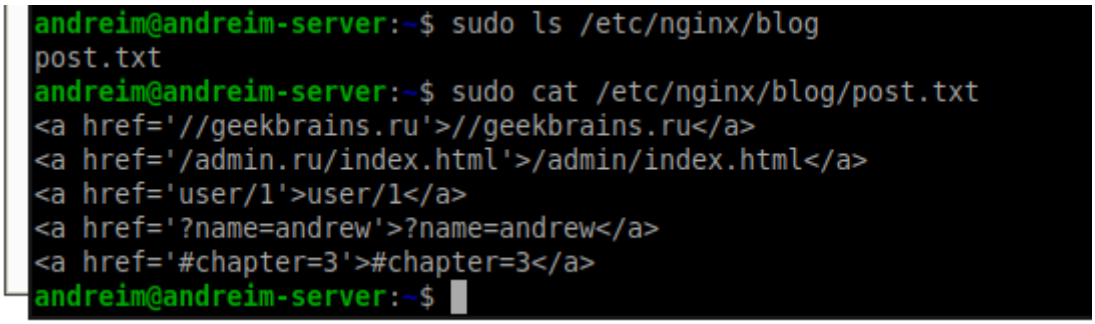


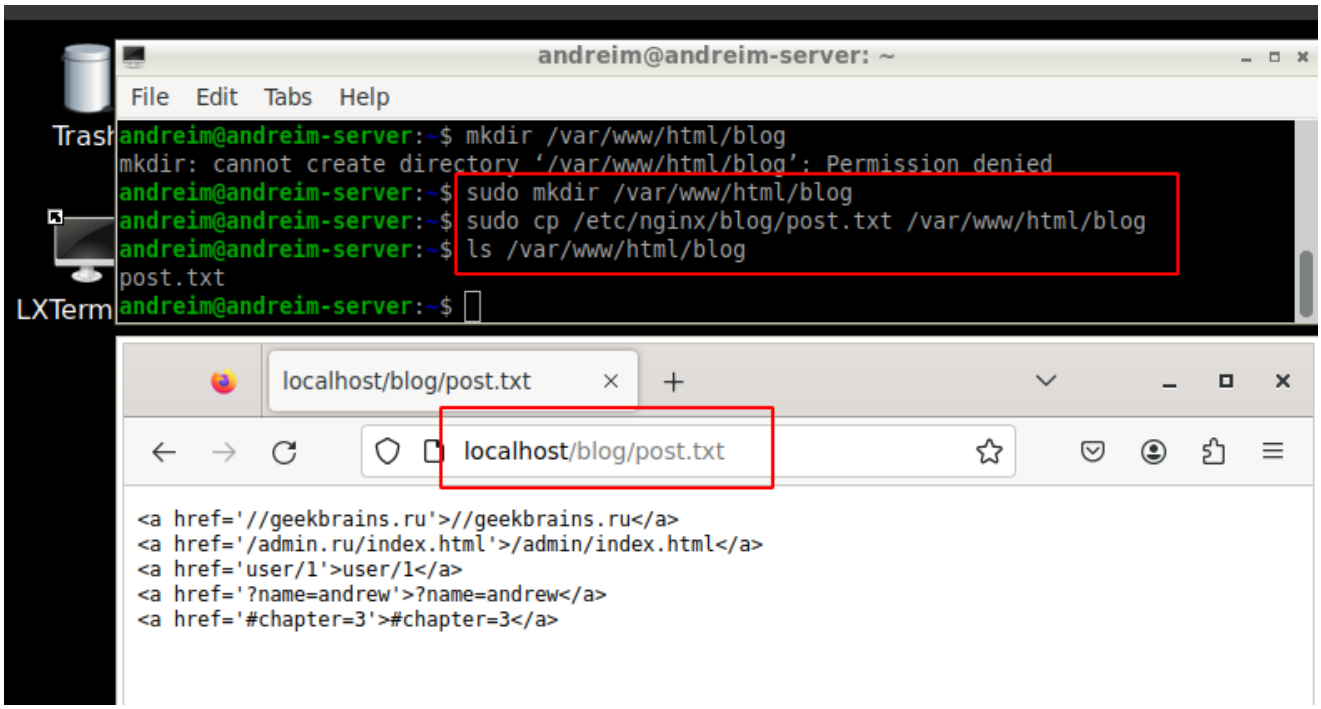


3. Запустите nginx и создайте в корневом каталоге директорию blog, а в директории blog создайте файл post.txt. Составьте полный URL (со схемой http или https) к этому файлу и запросите его через браузер.

```
sudo mkdir /etc/nginx/blog
sudo nano /etc/nginx/blog/post.txt
```

```
mkdir /var/www/html/blog
sudo cp /etc/nginx/blog/post.txt /var/www/html/blog
```

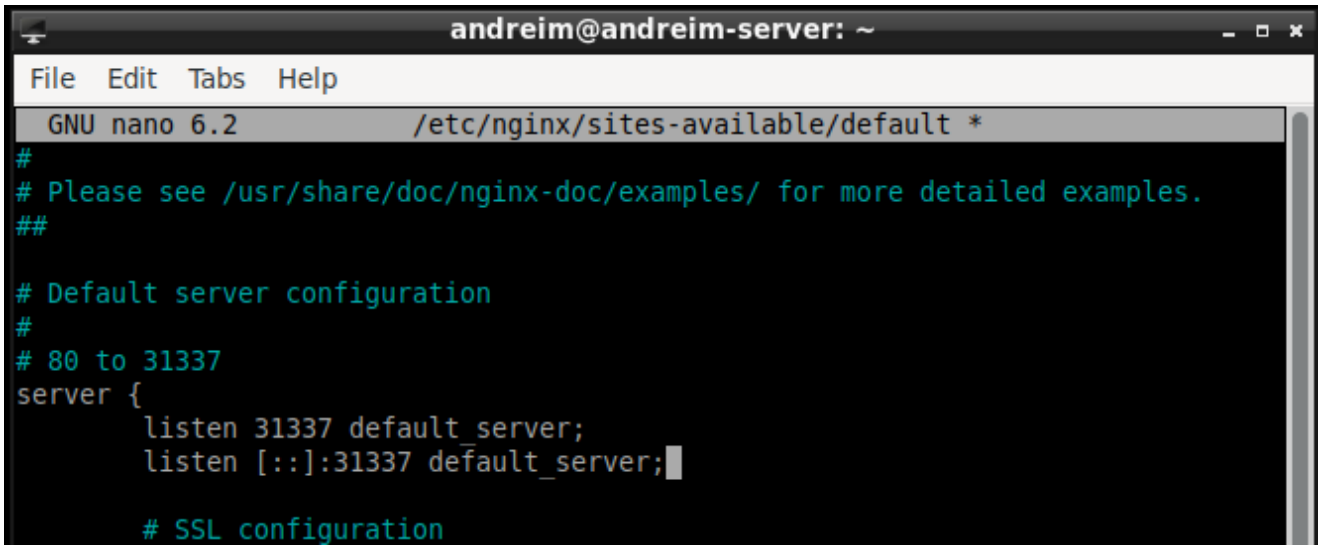


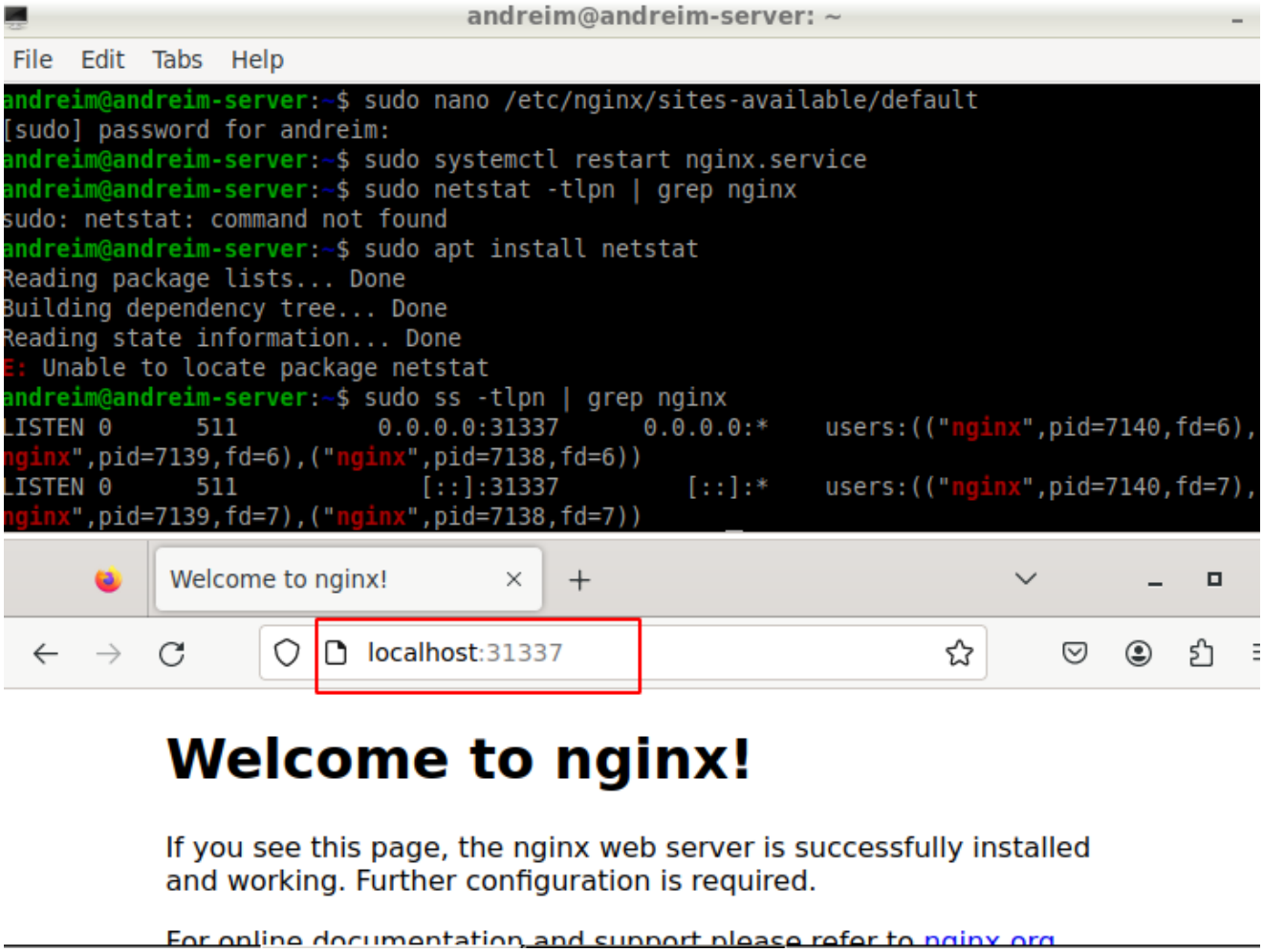


4. (*) Поменяйте порт, который слушает ваш сервер с 80 на 31337. Перезапустите сервер. Выполните задание 3 с учетом того, что сервер слушает на новом порту.

```
localhost:80
sudo nano /etc/nginx/sites-available/default
server {listen 31337 def... 31337... }
sudo systemctl restart nginx.service
sudo netstat -tlpn | grep nginx          (OR   ss -tlpn | grep nginx)
localhost:31337
```

Welcome to nginx!
127.0.0.1:80
Welcome to nginx!
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.
For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.
Thank you for using nginx.


andreim@andreim-server: ~
File Edit Tabs Help
GNU nano 6.2 /etc/nginx/sites-available/default *
#
Please see /usr/share/doc/nginx-doc/examples/ for more detailed examples.
##
Default server configuration
#
# 80 to 31337
server {
listen 31337 default_server;
listen [::]:31337 default_server;
SSL configuration


andreim@andreim-server: ~
File Edit Tabs Help
andreim@andreim-server:~$ sudo nano /etc/nginx/sites-available/default
[sudo] password for andreim:
andreim@andreim-server:~$ sudo systemctl restart nginx.service
andreim@andreim-server:~$ sudo netstat -tlpn | grep nginx
sudo: netstat: command not found
andreim@andreim-server:~$ sudo apt install netstat
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package netstat
andreim@andreim-server:~$ sudo ss -tlpn | grep nginx
LISTEN 0 511 0.0.0.0:31337 0.0.0.0:* users:(("nginx",pid=7140,fd=6),
nginx",pid=7139,fd=6),("nginx",pid=7138,fd=6))
LISTEN 0 511 [::]:31337 [::]:* users:(("nginx",pid=7140,fd=7),
nginx",pid=7139,fd=7),("nginx",pid=7138,fd=7))
Welcome to nginx!
localhost:31337
Welcome to nginx!
If you see this page, the nginx web server is successfully installed
and working. Further configuration is required.
For online documentation and support please refer to nginx.org