








Enter to server

 root@151-248-121-83: ~

```
 login as: root
 root@151.248.121.83's password:
 Access denied
 root@151.248.121.83's password:
 Access denied
 root@151.248.121.83's password:
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.4.0-113-generi
* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/advantage
root@151-248-121-83:~#
```

apt update

apt upgrade



root@151-248-121-83: ~

```
Get:57 http://archive.ubuntu.com/ubuntu focal-backports/m
etadata [116 B]
Get:58 http://archive.ubuntu.com/ubuntu focal-backports/u
14.7 kB]
Get:59 http://archive.ubuntu.com/ubuntu focal-backports/u
[27.1 kB]
Get:60 http://archive.ubuntu.com/ubuntu focal-backports/u
[17.1 kB]
Get:61 http://archive.ubuntu.com/ubuntu focal-backports/u
adata [860 B]
Get:62 http://archive.ubuntu.com/ubuntu focal-backports/m
etadata [116 B]
Fetched 42.5 MB in 7s (6,311 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
All packages are up to date.
root@151-248-121-83:~# apt upgrade
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgr
root@151-248-121-83:~#
```

apt install mc

GIT: push, merge in origin

Server: ssh-keygen

Paste deploy key to git

Adduser

Git clone git@github.com:AlexandrPRG/DjangoProjectGeek.git

```
root@151-248-121-83: ~  
login as: root  
root@151.248.121.83's password:  
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.4.0-113-generic)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:       https://ubuntu.com/advantage  
Last login: Thu Jun  2 22:19:11 2022 from 5.19.7.117  
root@151-248-121-83:~# git clone git@github.com:AlexandrP  
t  
Cloning into 'DjangoProjectGeek'...  
The authenticity of host 'github.com (140.82.121.3)' can't be  
ECDSA key fingerprint is SHA256:p2QAMXNIC1TJYWeIOttrVc98/  
Are you sure you want to continue connecting (yes/no/[fingerprint])?  
Warning: Permanently added 'github.com,140.82.121.3' (ECDSA)  
to the list of known hosts.  
remote: Enumerating objects: 1413, done.  
remote: Counting objects: 100% (1413/1413), done.  
remote: Compressing objects: 100% (597/597), done.  
remote: Total 1413 (delta 816), reused 1266 (delta 670),  
Receiving objects: 100% (1413/1413), 761.32 KiB | 2.17 MiB/s,  
Resolving deltas: 100% (816/816), done.  
root@151-248-121-83:~#
```

copy env

(debug=False)

apt install nginx postgresql postgresql-contrib (установка БД и сервера)

systemctl status nginx (проверка установки)

151-248-121-83: ~/DjangoProjectGeek/geekshop/geekshop/templates/geekshop

```
up libnginx-mod-http-image-filter (1.18.0-0ubuntu1.3) ...
up nginx-core (1.18.0-0ubuntu1.3) ...
up nginx (1.18.0-0ubuntu1.3) ...
ng triggers for ufw (0.36-6ubuntu1) ...
ng triggers for systemd (245.4-4ubuntu3.17) ...
ng triggers for man-db (2.9.1-1) ...
ng triggers for libc-bin (2.31-0ubuntu9.9) ...
```

-248-121-83:~/DjangoProjectGeek/geekshop/geekshop/templat

status nginx

service - A high performance web server and a reverse pro

ded: loaded (/lib/systemd/system/nginx.service; enabled;

live: **active (running)** since Sat 2022-06-04 16:16:44 MSK;

ocs: man:nginx(8)

PID: 34957 (nginx)

sks: 2 (limit: 1152)

ory: 4.5M

oup: /system.slice/nginx.service

└─34957 nginx: master process /usr/sbin/nginx -g dae

└─34958 nginx: worker process

6:16:43 151-248-121-83 systemd[1]: Starting A high perfor

6:16:44 151-248-121-83 systemd[1]: Started A high perform

13/13 (END)




mc [root@151-248-121-83]:~

```
Active: active (exited) since Sat 2022-06-04 16:16:35; 1min 1s ago
Main PID: 34585 (code=exited, status=0/SUCCESS)
Tasks: 0 (limit: 1152)
Memory: 0B
CGroup: /system.slice/postgresql.service

Jun 04 16:16:35 151-248-121-83 systemd[1]: Starting PostgreSQL RDBMS:
Jun 04 16:16:35 151-248-121-83 systemd[1]: Finished PostgreSQL RDBMS:
lines 1-10/10 (END)
● postgresql.service - PostgreSQL RDBMS
   Loaded: loaded (/lib/systemd/system/postgresql.service; vendor preset: enabled)
   Active: active (exited) since Sat 2022-06-04 16:16:35; 1min 1s ago
 Main PID: 34585 (code=exited, status=0/SUCCESS)
Tasks: 0 (limit: 1152)
Memory: 0B
CGroup: /system.slice/postgresql.service

Jun 04 16:16:35 151-248-121-83 systemd[1]: Starting PostgreSQL RDBMS:
Jun 04 16:16:35 151-248-121-83 systemd[1]: Finished PostgreSQL RDBMS:
~
~
~
~
~
~
~
```

Mcedit /etc/postgresql/13/main/pg_hba.conf (редактирование получения запросов) peer заменить на trust

 root@151-248-121-83: /etc/postgresql

/etc/postgre~/pg_hba.conf [----] 68 L:[77+12 89/104]

configuration parameter, or via the -i or -h command line

DO NOT DISABLE!

If you change this first entry you will need to make sure

database superuser can access the database using some o

Noninteractive access to all databases is required durin

maintenance (custom daily cronjobs, replication, and st

#

Database administrative login by Unix domain socket

local all postgres

TYPE DATABASE USER ADDRESS

"local" is for Unix domain socket connections only

local all all

IPv4 local connections:

host all all 127.0.0.1/32


IPv6 local connections:

host all all ::1/128

Allow replication connections from localhost, by a user

replication privilege.

1Help 2Save 3Mark 4Replac 5Copy 6Move 7Sea

 root@151-248-121-83: /etc/postgresql


```
/etc/postgre~/pg_hba.conf  [-M--] 69 L:[ 77+12  89/104]
# configuration parameter, or via the -i or -h command li

# DO NOT DISABLE!
# If you change this first entry you will need to make su
# database superuser can access the database using some o
# Noninteractive access to all databases is required duri
# maintenance (custom daily cronjobs, replication, and si
#
# Database administrative login by Unix domain socket
local    all                                postgres

# TYPE      DATABASE          USER            ADDRESS

# "local" is for Unix domain socket connections only
local    all                                all
# IPv4 local connections:
host     all                all            127.0.0.1/32
# IPv6 local connections:
host     all                all            ::1/128
# Allow replication connections from localhost, by a user
# replication privilege.
1Help    2Save    3Mark    4Replac    5Copy    6Move    7Sea
```

Systemctl restart postgresql (перезагрузка БД)

 root@151-248-121-83: /etc/postgresql

```
~
~
lines 1-10/10 (END)
root@151-248-121-83:~# mcedit

root@151-248-121-83:~# mcedit /etc/postgresql/13/main/pg_

root@151-248-121-83:~# cd /etc
root@151-248-121-83:/etc# cd postgresql
root@151-248-121-83:/etc/postgresql# cd 13
bash: cd: 13: No such file or directory
root@151-248-121-83:/etc/postgresql# ls
12
root@151-248-121-83:/etc/postgresql# mcedit 12/main/pg_hba

root@151-248-121-83:/etc/postgresql# systemctl restart po
root@151-248-121-83:/etc/postgresql# systemctl status pos
● postgresql.service - PostgreSQL RDBMS
   Loaded: loaded (/lib/systemd/system/postgresql.servi
   Active: active (exited) since Sat 2022-06-04 16:40:2
   Process: 36312 ExecStart=/bin/true (code=exited, stat
   Main PID: 36312 (code=exited, status=0/SUCCESS)

Jun 04 16:40:28 151-248-121-83 systemd[1]: Starting Postg
Jun 04 16:40:28 151-248-121-83 systemd[1]: Finished Postg
lines 1-8/8 (END)
```

Выйти из рута, зайти в юзера в его домашнюю директорию

python3 --version

apt install python3-pip (доустановка python)

apt install virtualenv (установка вирта)

в папке проекта: virtualenv env --python=python3.9 (создание вирта с указанием версии питона)

source env/bin/activate (активация)

pip3 install -r requirements.txt (установка окружения в env)

/etc/systemd/system/gunicorn.service – создать файл для автоматического запуска сервера, в нем параметры запуска:

[Unit] Description=gunicorn daemon After=network.target — запуск после загрузки сети

[Service] User=<user> — запуск от юзера, созданного в линкс; Group=www-data — демон из группы; WorkingDirectory=/home/<user>/<project> — запуск в директории;
ExecStart=/home/<user>/<project>/env/bin/gunicorn --access-logfile – (лог вести)--workers 3 (сколько процессов джуникорна обрабатывает поток данных) --bind
unix:/home/<user>/<project>/geekshop.sock geekshop.wsgi (биндится файл wsgi и создает sock)
[Install] WantedBy=multi-user.target


Systemctl enable gunicorn — создание демона

Systemctl start gunicorn запуск демона (не заработает без базы)

su postgres — переход в юзера БД

psql — переход в настройки БД

create database geekshop; — создание базы с именем указанным в database[name] settings.py

 root@151-248-121-83: ~

```
postgres=#
login as: root
root@151.248.121.83's password:
Access denied
root@151.248.121.83's password:
Access denied
root@151.248.121.83's password:
Access denied
root@151.248.121.83's password:
login as: root
root@151.248.121.83's password:
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.4.0-113-generic)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage
Last login: Sat Jun  4 21:52:31 2022 from 5.19.7.117
root@151-248-121-83:~# su postgers
su: user postgers does not exist
root@151-248-121-83:~# su postgres
postgres@151-248-121-83:/root$ psql
could not change directory to "/root": Permission denied
psql (12.11 (Ubuntu 12.11-0ubuntu0.20.04.1))
Type "help" for help.

postgres=# create database geekshop
postgres=# ^C
postgres=#
postgres=# create database geekshop
postgres=# create database geekshop;
ERROR:  syntax error at or near "create"
LINE 2: create database geekshop;
          ^
postgres=# create database geekshop;
CREATE DATABASE
postgres=#
```

Выйти из postgres

Войти в env: source env/bin/activate



root@151-248-121-83: ~/DjangoProjectGeek

```
* Support: https://ubuntu.com/advantage
Last login: Sat Jun  4 21:52:31 2022 from 5.19.7.117
root@151-248-121-83:~# su postgers
su: user postgers does not exist
root@151-248-121-83:~# su postgres
postgres@151-248-121-83:/root$ psql
could not change directory to "/root": Permission denied
psql (12.11 (Ubuntu 12.11-0ubuntu0.20.04.1))
Type "help" for help.

postgres=# creage database geekshop
postgres=# ^C
postgres=#
postgres=# create database geekshop
postgres=# create database geekshop;
ERROR:  syntax error at or near "create"
LINE 2: create database geekshop;
          ^
postgres=# create database geekshop;
CREATE DATABASE
postgres=# ^C
postgres=# ^C
postgres=# exit
postgres@151-248-121-83:/root$ cd ~
postgres@151-248-121-83:~$ ls
12
postgres@151-248-121-83:~$ exit
exit
root@151-248-121-83:~# cd ~
root@151-248-121-83:~# ls
DjangoProjectGeek env virt-sysprep-firstboot.log
root@151-248-121-83:~# cd DjangoProjectGeek/
root@151-248-121-83:~/DjangoProjectGeek# ls
env geekshop README.md
root@151-248-121-83:~/DjangoProjectGeek# source env/bin/a
(env) root@151-248-121-83:~/DjangoProjectGeek#
```

python3 manage.py makemigrations

python3 manage.py migrate

python3 manage.py migrate --run-syncdb

создание миграций и проверка связей БД

python3 manage.py collectstatic – перенос статики из нескольких папок в корень проекта (переменная STATIC_ROOT)

python3 manage.py runserver 0.0.0.0:8000 – запуск сервера широковещательным запросом, потому что пока локально

настройка nginx:

sites-available создать конфиг (имя geekshop):

```
server {  
    listen 80;  
  
    server_name 151.248.121.83; (по какому адресу работает)  
  
    location = /favicon.ico { access_log off; log_not_found off; }  
    (пути до статики, медиа и инклюдов)  
  
    location /static/ {  
        root /root/DjangoProjectGeek;  
    }  
  
    location /media/ {  
        root /root/DjangoProjectGeek;  
    }  
    (корень сайта)  
  
    location / {  
        include proxy_params; (включает параметры прокси для роута)  
        proxy_pass http://unix:/root/DjangoProjectGeek/geekshop.sock; (посылать запросы  
на этот файл, а это файл gunicorn)  
    }  
}
```

Сделать ссылку для включения сайта в nginx:

ln -s /etc/nginx/sites-available/geekshop /etc/nginx/sites-enabled/ - (первый параметр — файл, второй — ссылка-ярлык на него)

nginx -t – тест сервера

systemctl restart nginx

-xEgVrcC3\$eX