

# ДЗ 3

установка гитлаба

1. Взята в аренду вдска, подключение происходит под учеткой рут, создаем пользователя gitlab

```
root@v2681068:~# adduser gitlab
info: Adding user 'gitlab' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group 'gitlab' (1000) ...
info: Adding new user 'gitlab' (1000) with group 'gitlab (1000)' ...
info: Creating home directory '/home/gitlab' ...
info: Copying files from '/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for gitlab
Enter the new value, or press ENTER for the default
  Full Name []: Gitlab User
    Room Number []:
    Work Phone []:
    Home Phone []:
      Other []:
Is the information correct? [Y/n] y
info: Adding new user 'gitlab' to supplemental / extra groups 'users' ...
info: Adding user 'gitlab' to group 'users' ...
root@v2681068:~#
```

2. Некоторые настройки сервера для обеспечения минимальной безопасности:
  - а. отключение возможности подключения по ssh на рутовой учетке

```
# Authentication:

#LoginGraceTime 2m
PermitRootLogin no
#StrictModes yes
#MaxAuthTries 6
#MaxSessions 10

#PubkeyAuthentication yes
```

- б. Добавил ssh ключ своего ПК для юзера gitlab и отключил возможность подключения по паролю

```

sosiskabavarskaya@sosiskabavarska:~$ ssh-copy-id -i ~/.ssh/id_rsa.pub gitlab@89.110.98.133
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/sosiskabavarskaya/.ssh/id_rsa.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys
gitlab@89.110.98.133's password:

Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'gitlab@89.110.98.133'"
and check to make sure that only the key(s) you wanted were added.

```

```

# To disable tunneled clear text passwords, change to no here!
PasswordAuthentication no
#PermitEmptyPasswords no

```

### с. Ставлю докер

```

sudo install -m 0755 -d /etc/apt/keyrings
sudo curl -fsSL https://download.docker.com/linux/ubuntu
sudo chmod a+r /etc/apt/keyrings/docker.asc

echo \
    "deb [arch=$(dpkg --print-architecture) signed-by=/etc/
    $(. /etc/os-release && echo "$VERSION_CODENAME") stab
    sudo tee /etc/apt/sources.list.d/docker.list > /dev/n
sudo apt-get update

sudo apt-get install docker-ce docker-ce-cli containerd

```

### д. настраиваю брандмауэр для открытия портов 22, 80, 443

```

sudo ufw allow OpenSSH
sudo ufw enable
sudo ufw allow 80,443/tcp
sudo ufw allow 22/tcp
sudo ufw reload

```

### 3. Пишу компост ямль для сервиса гитлаб (с учетом домена и с автоматической выдачей сертификатов letsencrypt)

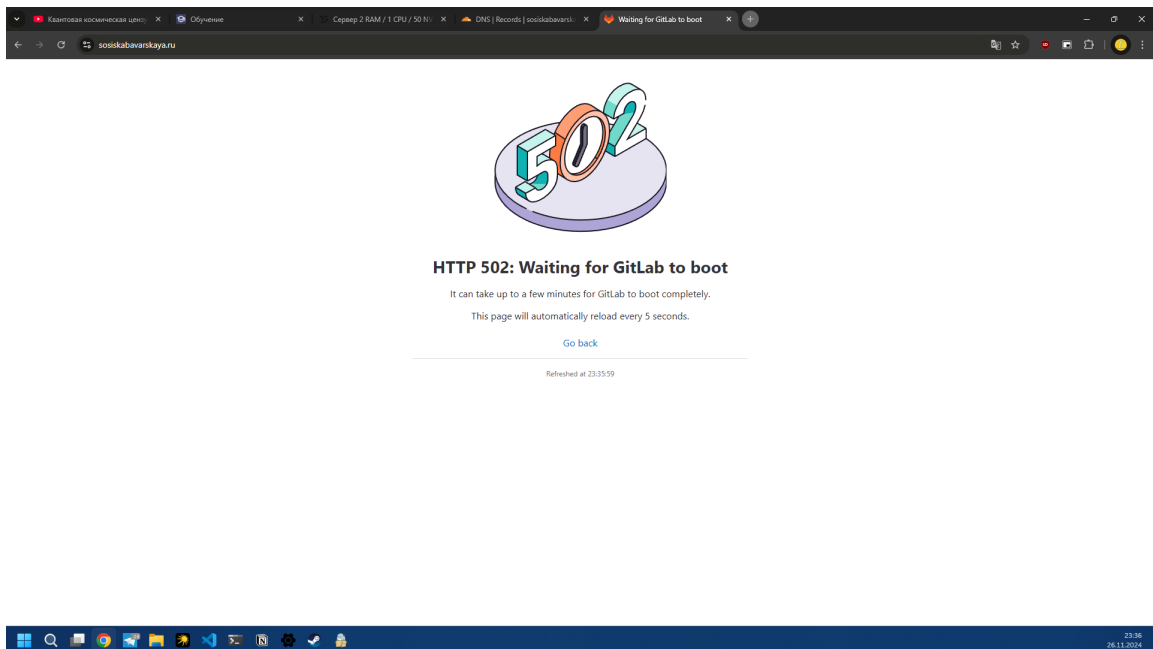
```

services:
  web:

```

```
image: gitlab/gitlab-ce:latest
restart: always
hostname: sosiskabavarskaya.ru
environment:
  GITLAB_OMNIBUS_CONFIG: |
    external_url 'https://sosiskabavarskaya.ru'
    letsencrypt['enable'] = true
    letsencrypt['contact_emails'] = ['secret']
ports:
  - "80:80"
  - "443:443"
volumes:
  - ./config:/etc/gitlab
  - ./logs:/var/log/gitlab
  - ./data:/var/opt/gitlab
```

4. Запускаю командой `sudo docker compose up -d` и ожидаю загрузки

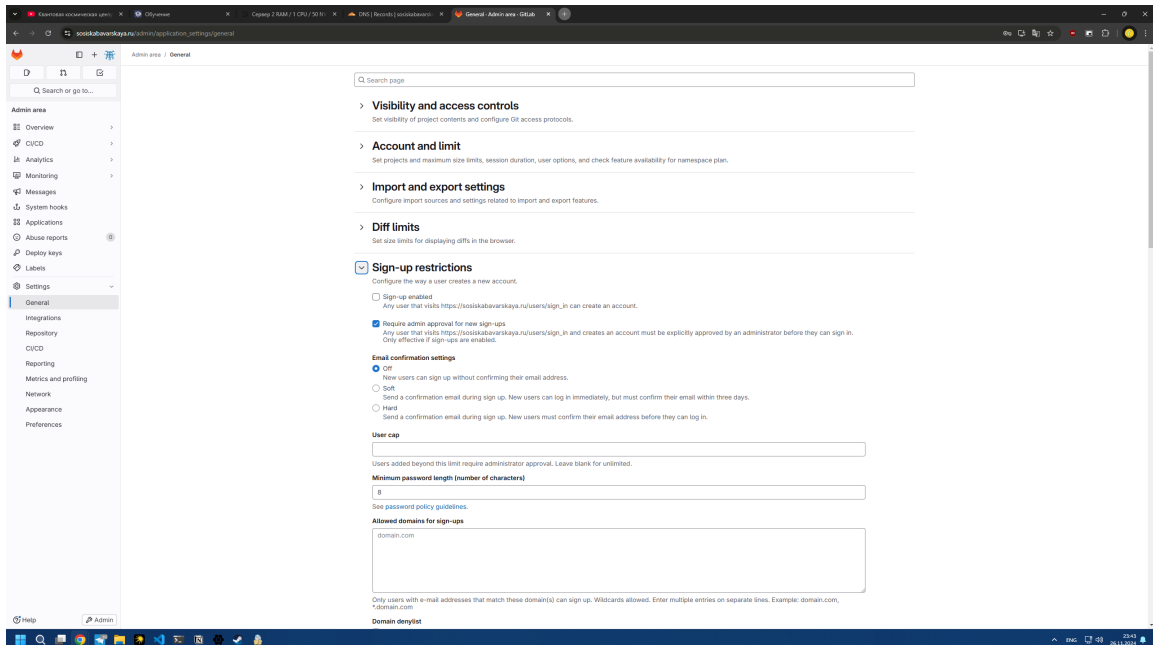


5. Ищу пароль от админки внутри контейнера докера

```
sudo docker ps -a
sudo docker exec -it HASH /bin/sh
```

```
# cat /etc/gitlab/initial_root_password  
> super_secret_password
```

## 6. Захожу и отключаю возможность регистрироваться всем подряд

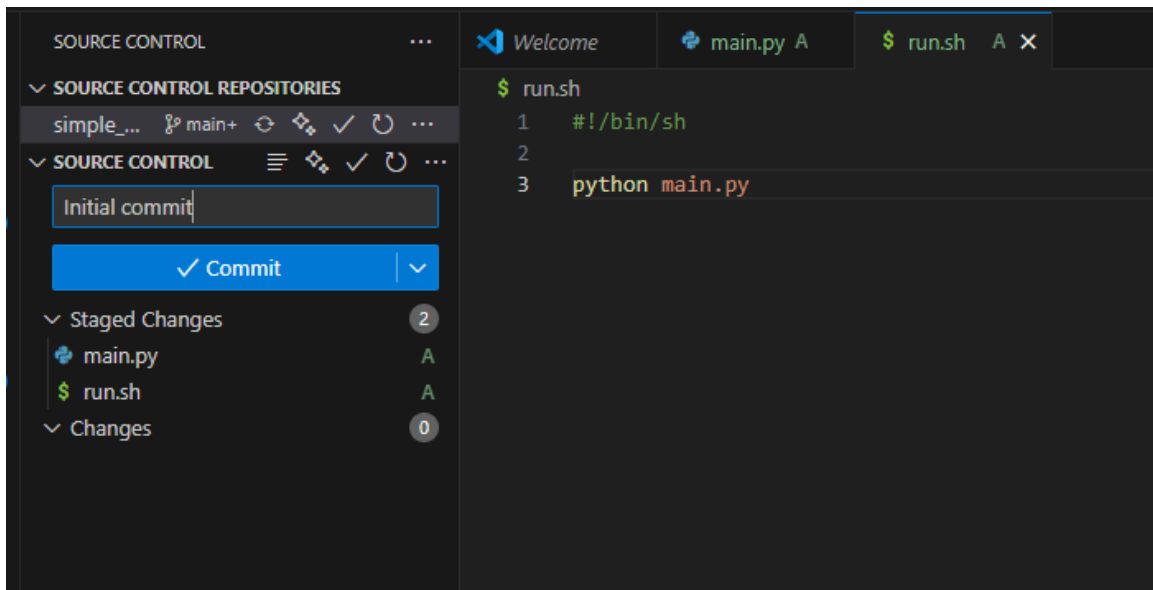


## 7. Создаем проект в гитлабе

## 8. Стягиваем на свою машину

```
sosiskabavarskaya@sosiskabavarska: ~/repos/devsecops_course$ git clone https://sosiskabavarskaya.ru/sosiskabavarskaya/simple_python_project  
Cloning into 'simple_python_project'...  
Username for 'https://sosiskabavarskaya.ru': sosiskabavarskaya  
Password for 'https://sosiskabavarskaya@sosiskabavarskaya.ru':  
warning: redirecting to https://sosiskabavarskaya.ru/sosiskabavarskaya/simple_python_project.git/  
remote: Enumerating objects: 3, done.  
remote: Counting objects: 100% (3/3), done.  
remote: Compressing objects: 100% (2/2), done.  
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)  
Receiving objects: 100% (3/3), done.  
sosiskabavarskaya@sosiskabavarska: ~/repos/devsecops_course$
```

## 9. Пишем скрипт, далее git add .



## 10. Пушимся и проверяем в гитлабе

