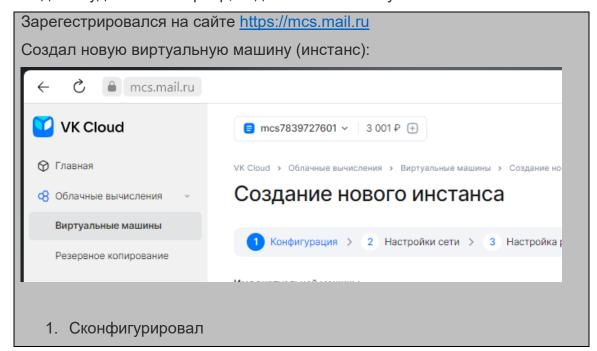
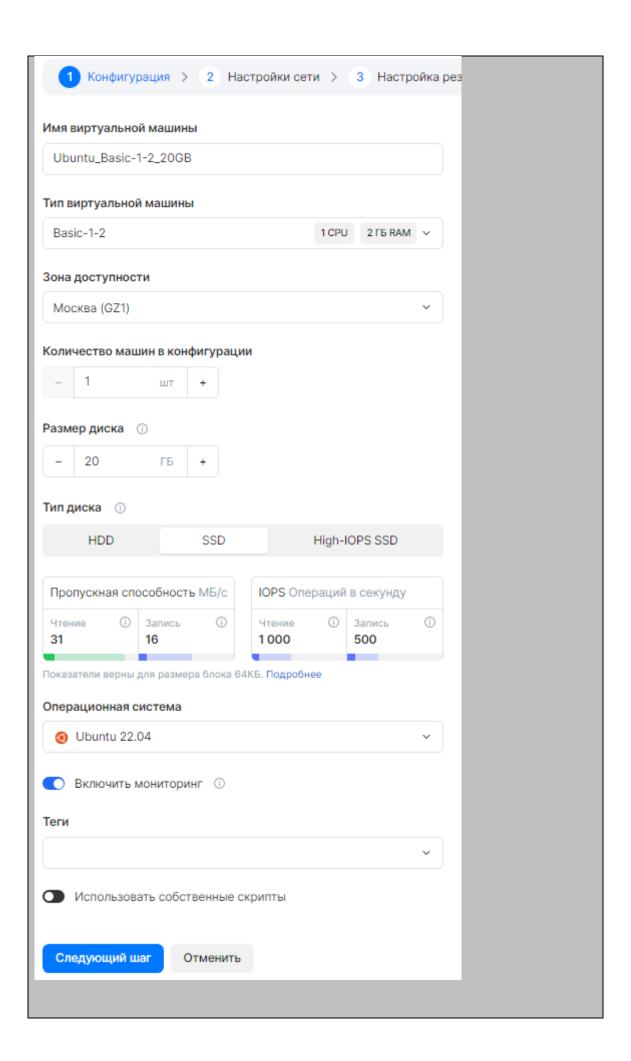
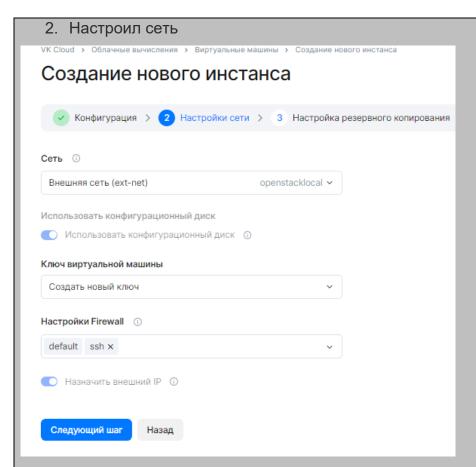
## Задание выполнил студент группы 2345 Романенко Кирилл Денисович

1. Создайте удаленный сервер, подключитесь к нему по ssh.







## 2.1. Сгенерировал ssh-ключ

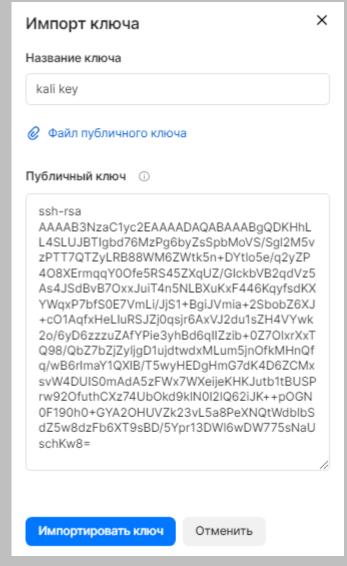
Скопировал ssh-ключ без комментария

```
-(kirill⊛kali)-[~]
└$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/kirill/.ssh/id_rsa): /tmp/id_rsa
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /tmp/id_rsa
Your public key has been saved in /tmp/id_rsa.pub
The key fingerprint is:
SHA256:kPY1JwF4KL+9wlU0/Z9n22S9E6Y18u3VuMLO3OkCrVs kirill@kali
The key's randomart image is:
+---[RSA 3072]----+
        0....
     . 0.. 0..
      0+. .+...
      ..0 ..+ .
       oS. . .o|
      . o . .. BO
      . . . +E B+a|
      0 . .++0 B+|
        . .0++=.0|
    -[SHA256]----+
  —(kirill⊛kali)-[~]
 -$ cat id_rsa.pub
```

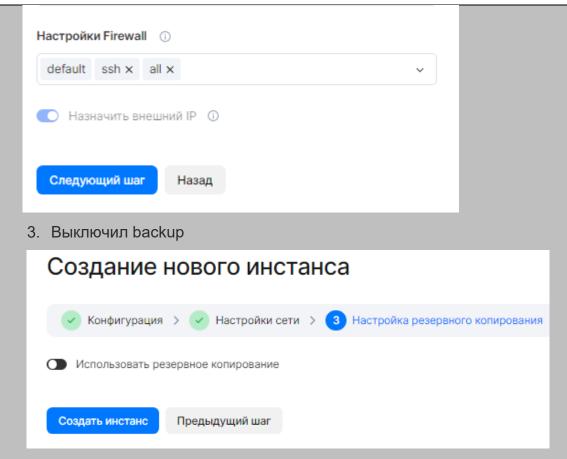
# \_\_\_(kirill⊕kali)-[/tmp] \_\$\_cat\_id\_rsa.pub

ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABgQDKHhLL4SLUJBTIgbd76MzPg6byZsSpbMo
VS/Sgl2M5vzPTT7QTZyLRB88WM6ZWtk5n+DYtlo5e/q2yZP408XErmqqY00fe5RS45ZXqUZ
/GIckbVB2qdVz5As4JSdBvB70xxJuiT4n5NLBXuKxF446KqyfsdKXYWqxP7bfS0E7VmLi/J
jS1+BgiJVmia+2SbobZ6XJ+c01AqfxHeLIuRSJZj0qsjr6AxVJ2du1sZH4VYwk2o/6yD6zz
zuZAfYPie3yhBd6qIIZzib+0Z70lxrXxTQ98/QbZ7bZjZyljgD1ujdtwdxMLum5jnOfkMHn
Qfq/wB6rImaY1QXIB/T5wyHEDgHmG7dK4D6ZCMxsvW4DUIS0mAdA5zFWx7WXeijeKHKJutb
1tBUSPrw92OfuthCXz74UbOkd9klN0I2lQ62iJK++pOGN0F190h0+GYA2OHUVZk23vL5a8P
eXNQtWdblbSdZ5w8dzFb6XT9sBD/5Ypr13DWl6wDW775sNaUschKw8=
kirill@kali

Вставил его в соответствующее поле в настройках сети виртуальной машины

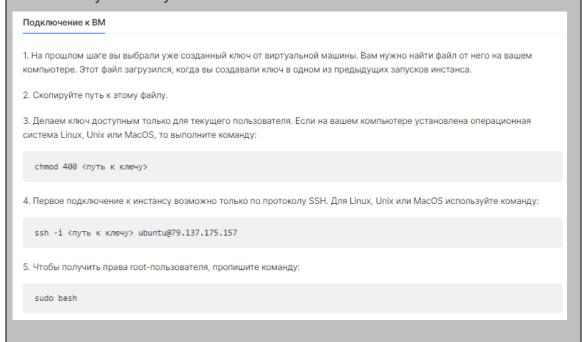


2.2 Настроил firewall



#### 4. Создал инстанс

Высветилось окно с информацией о сервере, а также инструкцией по подключению к нему. В ней все данные подставлены верно. IP соответствует моему.



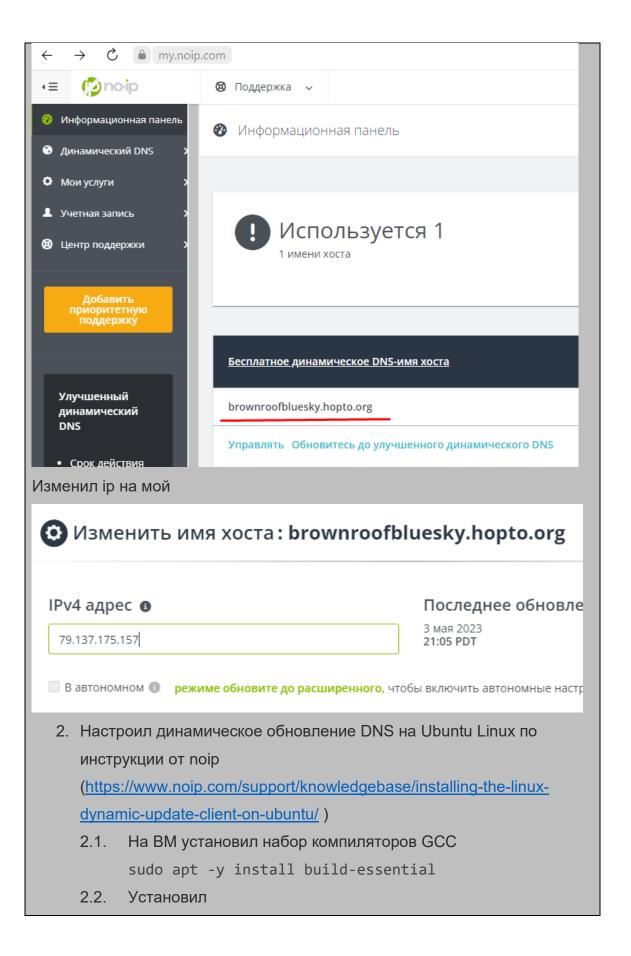
## Подключился по ssh

```
-(kirill®kali)-[/tmp]
 —$ ssh -i /tmp/id_rsa ubuntu@79.137.175.157
The authenticity of host '79.137.175.157 (79.137.175.157)' can't be established.
ED25519 key fingerprint is SHA256:h0ia1odHRcmE5527I/hT2g6U4TCQtb5tcTzxLGGb1Vo.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '79.137.175.157' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-46-generic x86_64)
* Documentation: https://help.ubuntu.com
* Management:
                  https://landscape.canonical.com
* Support:
                  https://ubuntu.com/advantage
 System information as of Wed May 3 12:00:04 UTC 2023
 System load: 0.0
                                  Processes:
                                                         95
 Usage of /: 15.3% of 18.67GB Users logged in:
                                                         0
 Memory usage: 12%
                                  IPv4 address for ens3: 79.137.175.157
 Swap usage:
0 updates can be applied immediately.
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
ubuntu@ubuntu-basic-1-2-20gb:~$
```

#### 2. Зарегистрируйте домен.

1. Открыл сайт noip.com

Создал доменное имя brownroofbluesky.hopto.org



```
root@ubuntu-basic-1-2-20gb: /usr/local/src/noip-2.1.9-1
                sprintf(line, "%s%s%s%s", USTRNG, login, PWDSTRNG, password);
 2538 I
noip2.c:2538:9: note: 'sprintf' output between 16 and 526 bytes into a destinati
on of size 256
                sprintf(line, "%s%s%s%s", USTRNG, login, PWDSTRNG, password);
2538
if [ ! -d /usr/local/bin ]; then mkdir -p /usr/local/bin;fi
if [ ! -d /usr/local/etc ]; then mkdir -p /usr/local/etc;fi
cp noip2 /usr/local/bin/noip2
/usr/local/bin/noip2 -C -c /tmp/no-ip2.conf
Auto configuration for Linux client of no-ip.com.
Please enter the login/email string for no-ip.com kdromanenko@gmail.com
Please enter the password for user 'kdromanenko@gmail.com' ***********
Only one host [brownroofbluesky.hopto.org] is registered to this account.
It will be used.
        2.3.
               Настроил клиент
root@ubuntu-basic-1-2-20gb:/usr/local/src/noip-2.1.9-1# /usr/local/bin/noip2 -S
1 noip2 process active.
Process 10598, started as /usr/local/src/noip-2.1.9-1/noip2, (version 2.1.9)
Using configuration from /usr/local/etc/no-ip2.conf
Last IP Address set 79.137.175.157
Account kdromanenko@gmail.com
configured for:
         host brownroofbluesky.hopto.org
Address check every 1 minute, directly connected via /dev/ens3.
root@ubuntu-basic-1-2-20gb:/usr/local/src/noip-2.1.9-1#
        2.4.
               Для проверки отклика из браузера надо дождаться
               обновления DNS-записей
```

3. Установите nginx, создайте тестовую страницу. Убедитесь, что, обратившись по своему доменному имени из интернета, вы получите тестовую страницу.

```
sudo apt update
sudo apt install nginx
Проверил рабочий ли:
```

```
ubuntu@ubuntu-basic-1-2-20gb:~$ curl localhost
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
   body {
       width: 35em;
       margin: 0 auto;
       font-family: Tahoma, Verdana, Arial, sans-serif;
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
If you see this page, the nginx web server is successfully installe
working. Further configuration is required.
For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.
<em>Thank you for using nginx.</em>
</body>
</html>
```