

Лабораторная работа № 2



Создание и настройка VDS, подключение к серверу

Купленный домен

reg.ru



Заказ №185601062 оплачен

 василиза-спб-рф.спб.рф	→
 Reg.Host-0 u3173827	→

К услугам

На главную страницу



василиза-спб-рф.спб.рф

Активна

+ Добавить комментарий

+ Добавить в папку

Управление

Операции

Контакты



Продление

Зарегистрирован до 23.06.2026

Продлить



Автопродление

Включите, чтобы продлевать услуги с баланса или с карты автоматически.



DNS-серверы и управление зоной

ns1.hosting.reg.ru

ns2.hosting.reg.ru

Изменить

Серверы

Запущен



vasiliza1

5.101.51.38



Ubuntu 22.04 64bit

SPB 512 МБ 20 ГБ 1 CPU 200 ₽

Подключение домена

Ресурсные записи

+ Добавить запись

A @ → 5.101.51.38



A www → 5.101.51.38



Внесены изменения зоны

Очистить зону

Apt update upgrade

```
Last login: Mon Jan 23 18:11:55 2024 from 92.100.197.92
root@vasilizal:~# apt update
Get:1 http://mirror.selectel.ru/ubuntu jammy InRelease [270 kB]
Get:2 http://mirror.selectel.ru/ubuntu jammy-updates InRelease [128 kB]
Get:3 http://repo.os.selectel.org jammy InRelease [10.6 kB]
Get:4 http://mirror.selectel.ru/ubuntu jammy-backports InRelease [127 kB]
Get:5 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Get:6 http://mirror.selectel.ru/ubuntu jammy/universe Sources [17.8 MB]
Get:7 http://mirror.selectel.ru/ubuntu jammy/restricted Sources [23.7 kB]
Get:8 http://mirror.selectel.ru/ubuntu jammy/main Sources [1340 kB]
Get:9 http://mirror.os.selectel.ru/ubuntu jammy/multiverse Sources [304 kB]
Get:10 http://mirror.selectel.ru/ubuntu jammy/main amd64 Packages [1395 kB]
Get:11 http://mirror.selectel.ru/ubuntu jammy/main amd64 c-n-f Metadata [30.3 kB]
Get:12 http://mirror.selectel.ru/ubuntu jammy/restricted amd64 Packages [129 kB]
Get:13 http://mirror.selectel.ru/ubuntu jammy/restricted amd64 c-n-f Metadata [488 B]
Get:14 http://mirror.selectel.ru/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:15 http://repo.os.selectel.org jammy/main all Packages [1430 B]
Get:16 http://repo.os.selectel.org jammy/main amd64 Packages [1430 B]
Get:17 http://mirror.selectel.ru/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:18 http://mirror.selectel.ru/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:19 http://mirror.selectel.ru/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:20 http://mirror.selectel.ru/ubuntu jammy-updates/restricted Sources [80.0 kB]
Get:21 http://mirror.selectel.ru/ubuntu jammy-updates/multiverse Sources [26.4 kB]
Get:22 http://mirror.selectel.ru/ubuntu jammy-updates/universe Sources [451 kB]
Get:23 http://mirror.selectel.ru/ubuntu jammy-updates/main Sources [550 kB]
Get:24 http://mirror.selectel.ru/ubuntu jammy-updates/main amd64 Packages [2659 kB]
Get:25 http://mirror.selectel.ru/ubuntu jammy-updates/main amd64 c-n-f Metadata [18.5 k
Get:26 http://mirror.selectel.ru/ubuntu jammy-updates/restricted amd64 Packages [3695 k
Get:27 http://mirror.selectel.ru/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [
```

```

root@vasilizal: ~
update-notifier-motd.service is a disabled or a static unit not running, not starting it
Processing triggers for libc-bin (2.35-0ubuntu3.10) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for dbus (1.12.20-2ubuntu4.1) ...
Processing triggers for install-info (6.8-4build1) ...
Processing triggers for mailcap (3.70+nmu1ubuntu1) ...
Processing triggers for ca-certificates (20240203~22.04.1) ...
Updating certificates in /etc/ssl/certs...
0 added, 0 removed; done.
Running hooks in /etc/ca-certificates/update.d...
done.
Processing triggers for initramfs-tools (0.140ubuntu13.5) ...
update-initramfs: Generating /boot/initrd.img-5.15.0-53-generic
Processing triggers for linux-image-5.15.0-142-generic (5.15.0-142.152) ...
/etc/kernel/postinst.d/dkms:
* dkms: running auto installation service for kernel 5.15.0-142-generic
...done.
/etc/kernel/postinst.d/initramfs-tools:
update-initramfs: Generating /boot/initrd.img-5.15.0-142-generic
/etc/kernel/postinst.d/zz-update-grub:
Sourcing file '/etc/default/grub'
Sourcing file '/etc/default/grub.d/init-select.cfg'
Generating grub configuration file ...
Found linux image: /boot/vmlinuz-5.15.0-142-generic
Found initrd image: /boot/initrd.img-5.15.0-142-generic
Found linux image: /boot/vmlinuz-5.15.0-53-generic
Found initrd image: /boot/initrd.img-5.15.0-53-generic
Found linux image: /boot/vmlinuz-5.15.0-25-generic
Warning: os-prober will not be executed to detect other bootable partitions.
Systems on them will not be added to the GRUB boot configuration.
Check GRUB_DISABLE_OS_PROBER documentation entry.
done
root@vasilizal:~# |

```

Установка разрешений

```

root@vasilizal:~# sudo apt install ufw -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  ufw
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 162 kB of archives.
After this operation, 850 kB of additional disk space will be used.
Get:1 http://mirror.selectel.ru/ubuntu jammy-updates/main amd64 ufw all 0.36.1-4ubuntu0.1 [162 kB]
Fetched 162 kB in 0s (3419 kB/s)
Preconfiguring packages ...
Selecting previously unselected package ufw.
(Reading database ... 53495 files and directories currently installed.)
Preparing to unpack .../ufw_0.36.1-4ubuntu0.1_all.deb ...
Unpacking ufw (0.36.1-4ubuntu0.1) ...
Setting up ufw (0.36.1-4ubuntu0.1) ...

Creating config file /etc/ufw/before.rules with new version

Creating config file /etc/ufw/before6.rules with new version

Creating config file /etc/ufw/after.rules with new version

Creating config file /etc/ufw/after6.rules with new version
Created symlink /etc/systemd/system/multi-user.target.wants/ufw.service → /lib/systemd/system/ufw.service.
Processing triggers for rsyslog (8.2112.0-2ubuntu2.2) ...
Processing triggers for man-db (2.10.2-1) ...
root@vasilizal:~# sudo ufw allow 80/tcp
Rules updated
Rules updated (v6)
root@vasilizal:~# sudo ufw allow 443/tcp
Rules updated
Rules updated (v6)
root@vasilizal:~# |

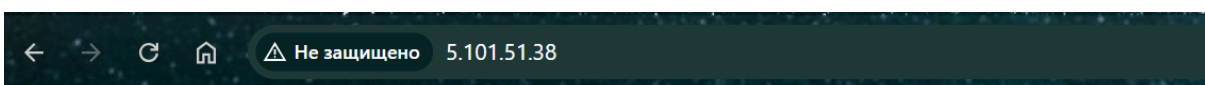
```

Rates updated (v0)

```
root@vasilizal:~# sudo apt install nginx -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  fontconfig-config fonts-dejavu-core libdeflate0 libfontconfig1 libgd3 libjpeg-turbo8 libjpeg8 libnginx-mod-http-geoip2
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter libnginx-mod-mail libnginx-mod-stream libnginx-mod-stream-geoip2
  libtiff5 libwebp7 libx11-6 libx11-data libxau6 libxcb1 libxdmcp6 libxpm4 libxslt1.1 nginx-core
Suggested packages:
  libgd-tools nginx-doc
The following NEW packages will be installed:
  fontconfig-config fonts-dejavu-core libdeflate0 libfontconfig1 libgd3 libjpeg-turbo8 libjpeg8 libnginx-mod-http-geoip2
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter libnginx-mod-mail libnginx-mod-stream libnginx-mod-stream-geoip2
  libtiff5 libwebp7 libx11-6 libx11-data libxau6 libxcb1 libxdmcp6 libxpm4 libxslt1.1 nginx nginx-core
0 upgraded, 25 newly installed, 0 to remove and 0 not upgraded.
Need to get 3672 kB of archives.
After this operation, 11.7 MB of additional disk space will be used.
Get:1 http://mirror.selectel.ru/ubuntu jammy/main amd64 libxau6 amd64 1:1.0.9-1build5 [7634 B]
Get:2 http://mirror.selectel.ru/ubuntu jammy/main amd64 libxdmcp6 amd64 1:1.1.3-0ubuntu5 [10.9 kB]
Get:3 http://mirror.selectel.ru/ubuntu jammy/main amd64 libxcb1 amd64 1.14-3ubuntu3 [49.0 kB]
Get:4 http://mirror.selectel.ru/ubuntu jammy-updates/main amd64 libx11-data all 2:1.7.5-1ubuntu0.3 [120 kB]
Get:5 http://mirror.selectel.ru/ubuntu jammy-updates/main amd64 libx11-6 amd64 2:1.7.5-1ubuntu0.3 [667 kB]
Get:6 http://mirror.selectel.ru/ubuntu jammy/main amd64 fonts-dejavu-core all 2.37-2build1 [1041 kB]
Get:7 http://mirror.selectel.ru/ubuntu jammy/main amd64 fontconfig-config all 2.13.1-4.2ubuntu5 [29.1 kB]
Get:8 http://mirror.selectel.ru/ubuntu jammy/main amd64 libdeflate0 amd64 1.10-2 [70.9 kB]
Get:9 http://mirror.selectel.ru/ubuntu jammy/main amd64 libfontconfig1 amd64 2.13.1-4.2ubuntu5 [131 kB]
Get:10 http://mirror.selectel.ru/ubuntu jammy/main amd64 libjpeg-turbo8 amd64 2.1.2-0ubuntu1 [134 kB]
Get:11 http://mirror.selectel.ru/ubuntu jammy/main amd64 libjpeg8 amd64 8c-2ubuntu10 [2264 B]
Get:12 http://mirror.selectel.ru/ubuntu jammy-updates/main amd64 libjpeg-turbo8 amd64 2.1.3-1ubuntu0.22.04.1 [29.2 kB]
Get:13 http://mirror.selectel.ru/ubuntu jammy-updates/main amd64 libwebp7 amd64 1.2.2-2ubuntu0.22.04.2 [206 kB]
Get:14 http://mirror.selectel.ru/ubuntu jammy-updates/main amd64 libtiff5 amd64 4.3.0-6ubuntu0.10 [185 kB]
Get:15 http://mirror.selectel.ru/ubuntu jammy-updates/main amd64 libxpm4 amd64 1:3.5.12-1ubuntu0.22.04.2 [36.7 kB]
Get:16 http://mirror.selectel.ru/ubuntu jammy-updates/main amd64 libgd3 amd64 2.3.0-2ubuntu2.3 [129 kB]
Get:17 http://mirror.selectel.ru/ubuntu jammy-updates/main amd64 libnginx-mod-http-geoip2 amd64 1.18.0-6ubuntu14.6 [12.0 kB]
Get:18 http://mirror.selectel.ru/ubuntu jammy-updates/main amd64 libnginx-mod-http-image-filter amd64 1.18.0-6ubuntu14.6 [15.5 kB]
```

```
root@vasilizal1:~# sudo mkdir -p /var/www/vasilizalr2.ru/html
root@vasilizal1:~# sudo chown -R $USER:$USER /var/www/vasilizalr2.ru/html/html
chown: cannot access '/var/www/vasilizalr2.ru/html/html': No such file or directory
root@vasilizal1:~# sudo mkdir -p /var/www/vasilizalr2.ru/html
root@vasilizal1:~# sudo chown -R $USER:$USER /var/www/vasilizalr2.ru/html/html
chown: cannot access '/var/www/vasilizalr2.ru/html/html': No such file or directory
root@vasilizal1:~# sudo mkdir -p /var/www/vas.ru/html
root@vasilizal1:~# sudo chown -R $USER:$USER /var/www/vasilizalr2.ru/html
root@vasilizal1:~# sudo chmod -R 755 /var/www/vasilizalr2.ru/html
root@vasilizal1:~#
```

```
root@vasilizal:~# sudo nano /etc/nginx/sites-available//vasilizalr2.ru
root@vasilizal:~# sudo nano /var/www/vasilizalr2.ru/html/index.html
root@vasilizal:~# sudo nano /etc/nginx/sites-available/vasilizalr2.ru
root@vasilizal:~# sudo ln -s /etc/nginx/sites-available/vasilizalr2.ru /etc/nginx/sites-enabled/
root@vasilizal:~# sudo rm /etc/nginx/sites-enabled/default
root@vasilizal:~# sudo nginx -t
sudo systemctl reload nginx
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
root@vasilizal:~# curl localhost
<!DOCTYPE html>
<html>
  <head><meta charset="utf-8"><title>vasilizalr2.ru</title></head>
  <body>
    <h1>Успех! Nginx работает с vasilizalr2.ru</h1>
  </body>
</html>
```



Успех! Nginx работает с vasilizalr2.ru

```
PS C:\Users\Ольга> ping 5.101.51.38

Pinging 5.101.51.38 with 32 bytes of data:
Reply from 5.101.51.38: bytes=32 time=20ms TTL=58
Reply from 5.101.51.38: bytes=32 time=68ms TTL=58
Reply from 5.101.51.38: bytes=32 time=7ms TTL=58
Reply from 5.101.51.38: bytes=32 time=4ms TTL=58

Ping statistics for 5.101.51.38:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 68ms, Average = 24ms
PS C:\Users\Ольга>
```

Minimum = 6ms, Maximum = 26ms, Average = 12ms
PS C:\Users\Ольга> ping vasilizalr2.ru

```
Pinging xn-----6kcagc0bha3a2codg3c.xn--90a1af.xn--plai [5.101.51.38] with 32 bytes of data:
Reply from 5.101.51.38: bytes=32 time=12ms TTL=58
Reply from 5.101.51.38: bytes=32 time=7ms TTL=58
Reply from 5.101.51.38: bytes=32 time=26ms TTL=58
Reply from 5.101.51.38: bytes=32 time=6ms TTL=58

Ping statistics for 5.101.51.38:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 6ms, Maximum = 26ms, Average = 12ms
PS C:\Users\Ольга>
```