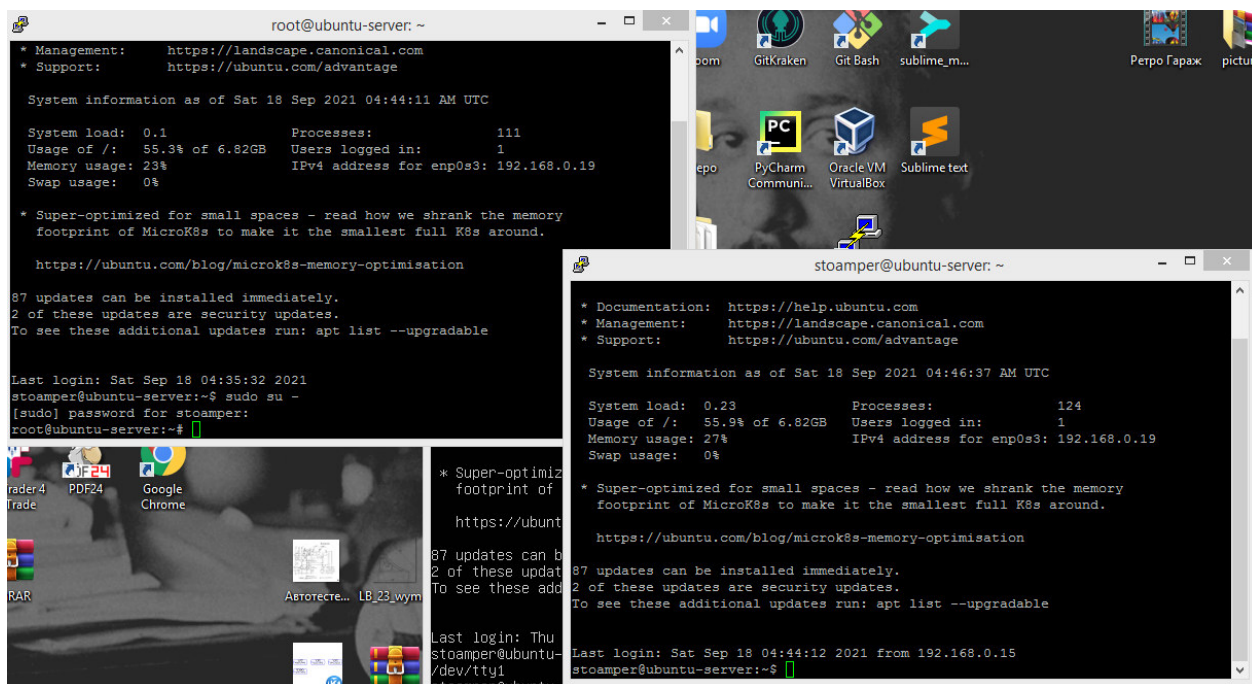


Дополнительное практическое задание по уроку №2 «Настройка интерфейса командной строки и знакомство с ним»

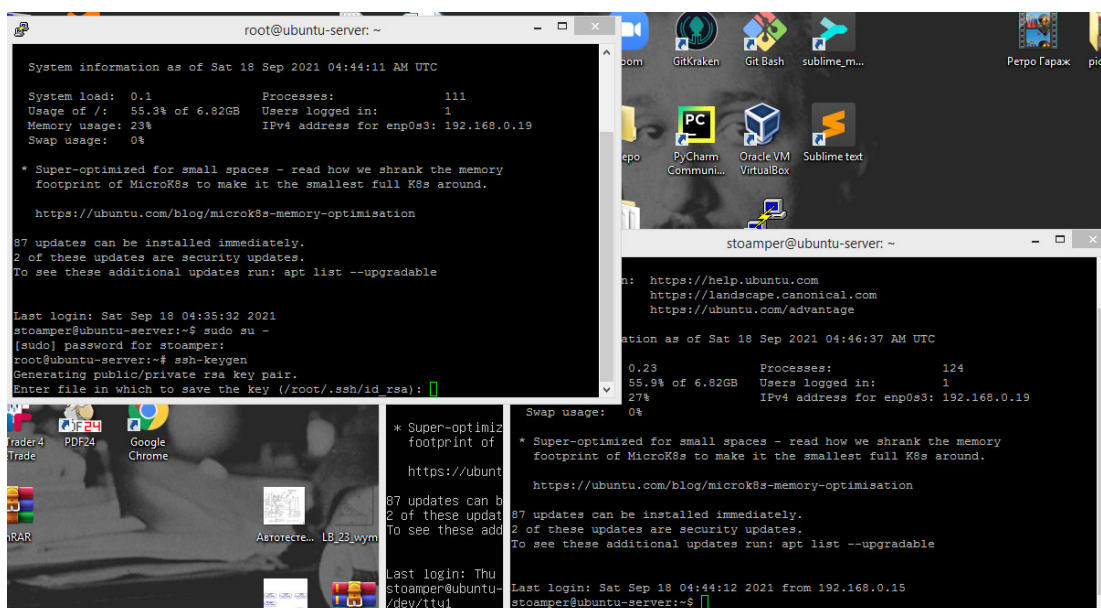
1. Используя дополнительный материал настроить авторизацию по SSH с использованием ключей

Решение

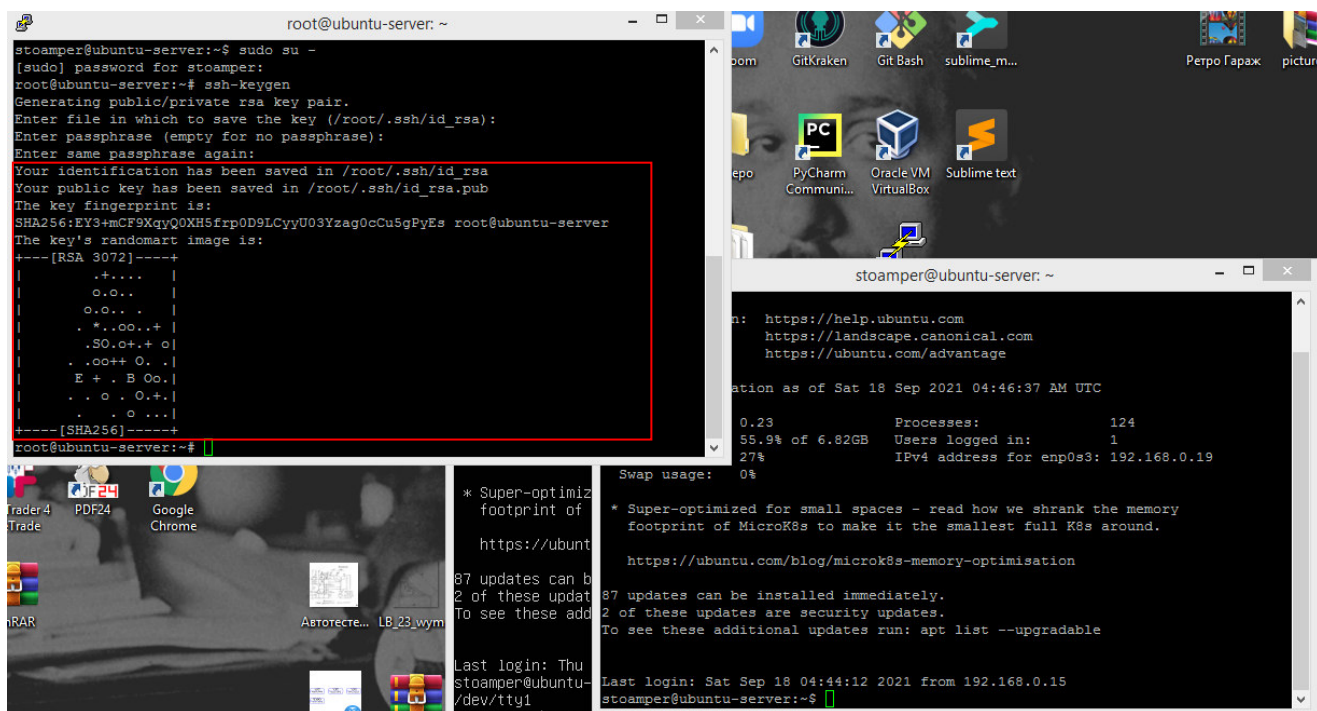
- Подключились к одному (root) и второму (stoamper) серверам



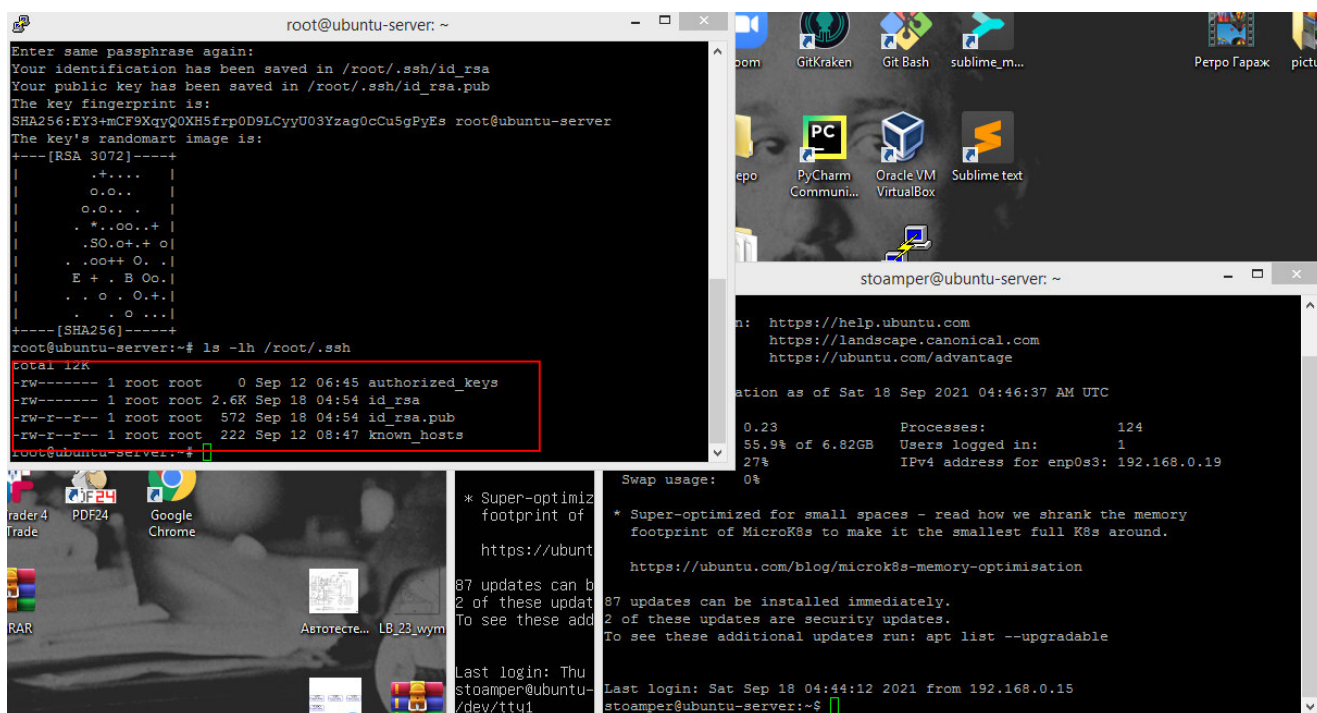
- Хотим попасть на второй сервер под пользователем stoamper. Первоначально создаем ключ командой ssh-keygen



Создался приватный ключ (identification) и публичный ключ (public key)



- Отражаем созданные в директории `.ssh` ключи



`Id_rsa` – приватный ключ (никому не передаем)

Id rsa.pub – публичный ключ (его передаем)

- Отобразим идентификатор созданного публичного ключа с помощью функции cat (просмотр содержимого файла)

```

root@ubuntu-server: ~/.ssh
total 12K
-rw-r----- 1 root root 0 Sep 12 06:45 authorized_keys
-rw-r----- 1 root root 2.6K Sep 18 04:54 id_rsa
-rw-r----- 1 root root 572 Sep 18 04:54 id_rsa.pub
-rw-r----- 1 root root 222 Sep 12 08:47 known_hosts
root@ubuntu-server:~# cd /root/.ssh/
root@ubuntu-server:~/.ssh# cat id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQgQDkqX7/w4KOkP+bDxfGiveSp2A7GXpr92ERDdXfXJsd
Q45HLuQj6CkIKoZBTBAUvAYDSRGUJPr0jdYdx9YcH5KtnoW/4BRp1Oxv8Mb18zIOzuy8KXhXZ3qEFjW
mQPQXtJW1Ka2u643y26uCs5mPzTSLtBfFDLSdvy4iynitPq1HMEkd42HR6RarrZ9SLmY8rE9M0BIemy
691AnWPCpgiF4j72kP9uAP91j1Ajwr3zSG/BfbnvCQgdvfwf5M1K1YQEp21zXE1Se5yXYCbtIqIEJTT1
A2auEUeyeOcdnEnsbaMCMVJhIEBAiDpA1r9CC9ilq19gmP39HiqKyMfanL+RL0TsyH3wH/UkC1PoAQ15
UL/M1qV0h2iuKJPIOWpesFbFb709S7k/nPvdKDPfpVY9A8IhG9pU48+T2F916exmIDXBPRj+wy18KiR
7YIVe5dJ+xEJjy72AdH2mG93PnNtqsgq2r8WiXUFu8+MKEC+PDV+k3mSg9fM9G7AgGJDv5G8= root@ub
untu-server
root@ubuntu-server:~/.ssh#

```

- Подключаемся ко второму серверу ([stoamper@192.168.0.19](https://192.168.0.19)) используя утилиту ssh-сору-ид. Подключение выполняем с помощью команды ssh stoamper@192.168.0.19

```

stoamper@ubuntu-server: ~
root@ubuntu-server:~/.ssh# ssh-copy-id"C
root@ubuntu-server:~/.ssh# ssh stoamper@192.168.0.19
stoamper@192.168.0.19's password:
Welcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-84-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sat 18 Sep 2021 05:09:07 AM UTC

System load:  0.08      Processes:      120
Usage of / :  55.3% of 6.82GB   Users logged in:  1
Memory usage: 24%      IPv4 address for enp0s3: 192.168.0.19
Swap usage:   0%

 * Super-optimized for small spaces - read how we shrank the memory
   footprint of MicroK8s to make it the smallest full K8s around.
   https://ubuntu.com/blog/microk8s-memory-optimisation

86 updates can be installed immediately.
1 of these updates is a security update.
To see these additional updates run: apt list --upgradable

Last login: Sat Sep 18 04:46:39 2021 from 192.168.0.15
stoamper@ubuntu-server:~$

```

Подключились, значит доступ есть

- Выходим обратно в root с помощью команды `logout` и создаем копию (команда `ssh-copy-id stoamper@192.168.0.19`)

```

root@ubuntu-server: ~/ssh
Welcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-84-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sat 18 Sep 2021 05:09:07 AM UTC

System load:  0.08      Processes:    120
Usage of /:   55.3% of 6.82GB   Users logged in: 1
Memory usage: 24%      IPv4 address for enp0s3: 192.168.0.19
Swap usage:   0%

 * Super-optimized for small spaces - read how we shrank the memory
   footprint of MicroK8s to make it the smallest full K8s around.

https://ubuntu.com/blog/microk8s-memory-optimisation

86 updates can be installed immediately.
1 of these updates is a security update.
To see these additional updates run: apt list --upgradable

Last login: Sat Sep 18 04:46:38 2021 from 192.168.0.15
stoamper@ubuntu-server:~$ logout
Connection to 192.168.0.19 closed.
root@ubuntu-server:~/.ssh# ssh-copy-id stoamper@192.168.0.19
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/root/.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 prompt
ed now it is to install the new keys
stoamper@192.168.0.19's password:

```

Вводим пароль доступа на сервер

```

root@ubuntu-server: ~/ssh
System load:  0.08      Processes:    120
Usage of /:   55.3% of 6.82GB   Users logged in: 1
Memory usage: 24%      IPv4 address for enp0s3: 192.168.0.19
Swap usage:   0%

 * Super-optimized for small spaces - read how we shrank the memory
   footprint of MicroK8s to make it the smallest full K8s around.

https://ubuntu.com/blog/microk8s-memory-optimisation

86 updates can be installed immediately.
1 of these updates is a security update.
To see these additional updates run: apt list --upgradable

Last login: Sat Sep 18 04:46:38 2021 from 192.168.0.15
stoamper@ubuntu-server:~$ logout
Connection to 192.168.0.19 closed.
root@ubuntu-server:~/.ssh# ssh-copy-id stoamper@192.168.0.19
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/root/.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 prompt
ed now it is to install the new keys
stoamper@192.168.0.19's password:
Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'stoamper@192.168.0.19'"
and check to make sure that only the key(s) you wanted were added.
root@ubuntu-server:~/.ssh#

```

```

stoamper@ubuntu-server:~$ ls -la .ssh
total 24
drwx----- 2 stoamper stoamper 4096 Sep 16 18:12 .
drwxr-xr-x 5 stoamper stoamper 4096 Sep 16 18:07 ..
-rw----- 1 stoamper stoamper 1148 Sep 18 05:12 authorized_keys
-rw----- 1 stoamper stoamper 2610 Sep 16 18:08 id_rsa
-rw-r--r-- 1 stoamper stoamper 576 Sep 16 18:08 id_rsa.pub
-rw-r--r-- 1 stoamper stoamper 222 Sep 16 18:12 known_hosts

```

- Была создана папка .ssh и в ней файл authorized keys (доступ только для пользователя!)

```

stoamper@ubuntu-server: ~
ed now it is to install the new keys
stoamper@192.168.0.19's password:
Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'stoamper@192.168.0.19'"
and check to make sure that only the key(s) you wanted were added.

root@ubuntu-server:~/.ssh# ssh stoamper@192.168.0.19
Welcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-84-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sat 18 Sep 2021 05:13:39 AM UTC

System load:  0.1          Processes:      121
Usage of /:   55.3% of 6.82GB    Users logged in: 1
Memory usage: 24%          IPv4 address for enp0s3: 192.168.0.19
Swap usage:   0%

 * Super-optimized for small spaces - read how we shrank the memory
   footprint of MicroK8s to make it the smallest full K8s around.

https://ubuntu.com/blog/microk8s-memory-optimisation

86 updates can be installed immediately.
1 of these updates is a security update.
To see these additional updates run: apt list --upgradable

Last login: Sat Sep 18 05:09:08 2021 from 192.168.0.19
stoamper@ubuntu-server:~$

```

- Проверим, что в файле authorized keys находится публичный ключ

```

stoamper@ubuntu-server: ~
ed now it is to install the new keys
stoamper@192.168.0.19's password:
Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'stoamper@192.168.0.19'"
and check to make sure that only the key(s) you wanted were added.

root@ubuntu-server:~/.ssh# ssh stoamper@192.168.0.19
Welcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-84-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sat 18 Sep 2021 05:13:39 AM UTC

System load:  0.1          Processes:      121
Usage of /:   55.3% of 6.82GB    Users logged in: 1
Memory usage: 24%          IPv4 address for enp0s3: 192.168.0.19
Swap usage:   0%

 * Super-optimized for small spaces - read how we shrank the memory
   footprint of MicroK8s to make it the smallest full K8s around.

https://ubuntu.com/blog/microk8s-memory-optimisation

86 updates can be installed immediately.
1 of these updates is a security update.
To see these additional updates run: apt list --upgradable

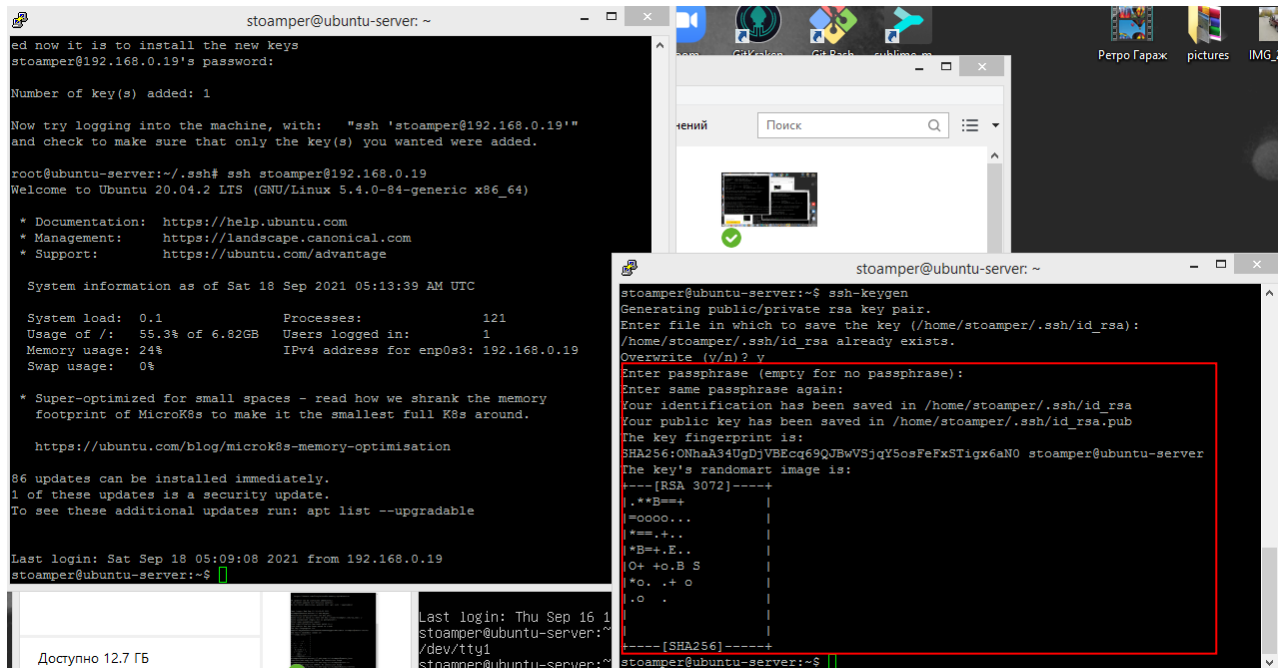
Last login: Sat Sep 18 05:09:08 2021 from 192.168.0.19
stoamper@ubuntu-server:~$

```

Теперь при подключении с сервера root на stoamper пароль запрашиваться не будет

Рассмотрим обратную ситуацию (с сервера stoamper получить доступ на root по ключу)

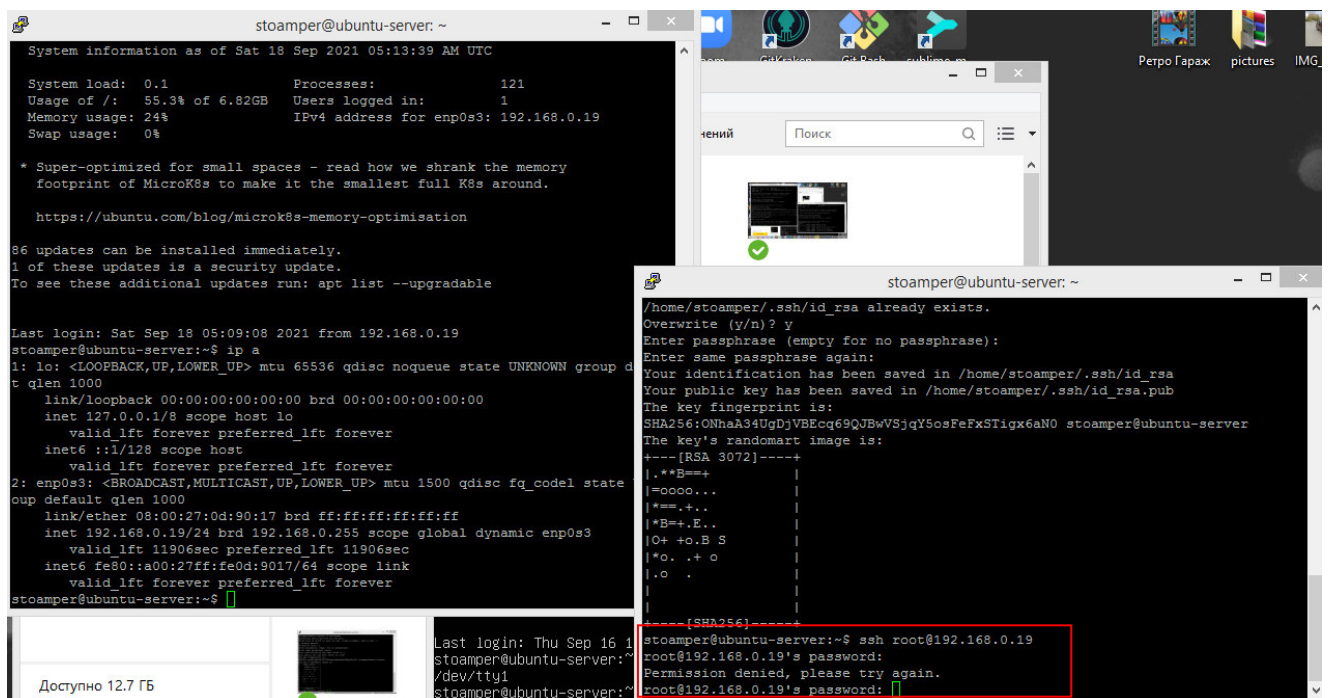
- Генерируем ключ на сервере stoamper



The screenshot shows a terminal window on the stoamper server. The user is prompted to install new keys. After adding a key, the user logs in as root. The terminal output shows system information and a list of updates. A second terminal window shows the generation of an RSA key pair. The user is prompted to enter a passphrase and confirm it. The key fingerprint is displayed as SHA256:ONhaA34UgDjVBecq69QJBwVSjqY5osFeFXStigx6aN0. The key's randomart image is also shown.

```
stoamper@ubuntu-server: ~  
ed now it is to install the new keys  
stoamper@192.168.0.19's password:  
Number of key(s) added: 1  
Now try logging into the machine, with: "ssh 'stoamper@192.168.0.19'"  
and check to make sure that only the key(s) you wanted were added.  
root@ubuntu-server:~/.ssh# ssh stoamper@192.168.0.19  
Welcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-84-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Sat 18 Sep 2021 05:13:39 AM UTC  
  
System load:  0.1          Processes:            121  
Usage of /:   55.3% of 6.82GB Users logged in:      1  
Memory usage: 24%         IPv4 address for enp0s3: 192.168.0.19  
Swap usage:   0%  
  
* Super-optimized for small spaces - read how we shrank the memory  
  footprint of MicroK8s to make it the smallest full K8s around.  
  
https://ubuntu.com/blog/microk8s-memory-optimisation  
  
86 updates can be installed immediately.  
1 of these updates is a security update.  
To see these additional updates run: apt list --upgradable  
  
Last login: Sat Sep 18 05:09:08 2021 from 192.168.0.19  
stoamper@ubuntu-server:~$  
  
stoamper@ubuntu-server:~$ ssh-keygen  
Generating public/private rsa key pair.  
Enter file in which to save the key (/home/stoamper/.ssh/id_rsa):  
/home/stoamper/.ssh/id_rsa already exists.  
Overwrite (y/n)? y  
Enter passphrase (empty for no passphrase):  
Enter same passphrase again:  
Your identification has been saved in /home/stoamper/.ssh/id_rsa  
Your public key has been saved in /home/stoamper/.ssh/id_rsa.pub  
The key fingerprint is:  
SHA256:ONhaA34UgDjVBecq69QJBwVSjqY5osFeFXStigx6aN0 stoamper@ubuntu-server  
The key's randomart image is:  
----[RSA 3072]-----  
|. . *B==+  
|=oooo...  
|*==+. .  
|*B=+.E..  
|O+ .o.B S  
|*O. .+ o  
|.O .  
-----[SHA256]-----  
stoamper@ubuntu-server:~$
```

- Пытаемся зайти на сервер stoamper под пользователем root, но зайти туда не можем

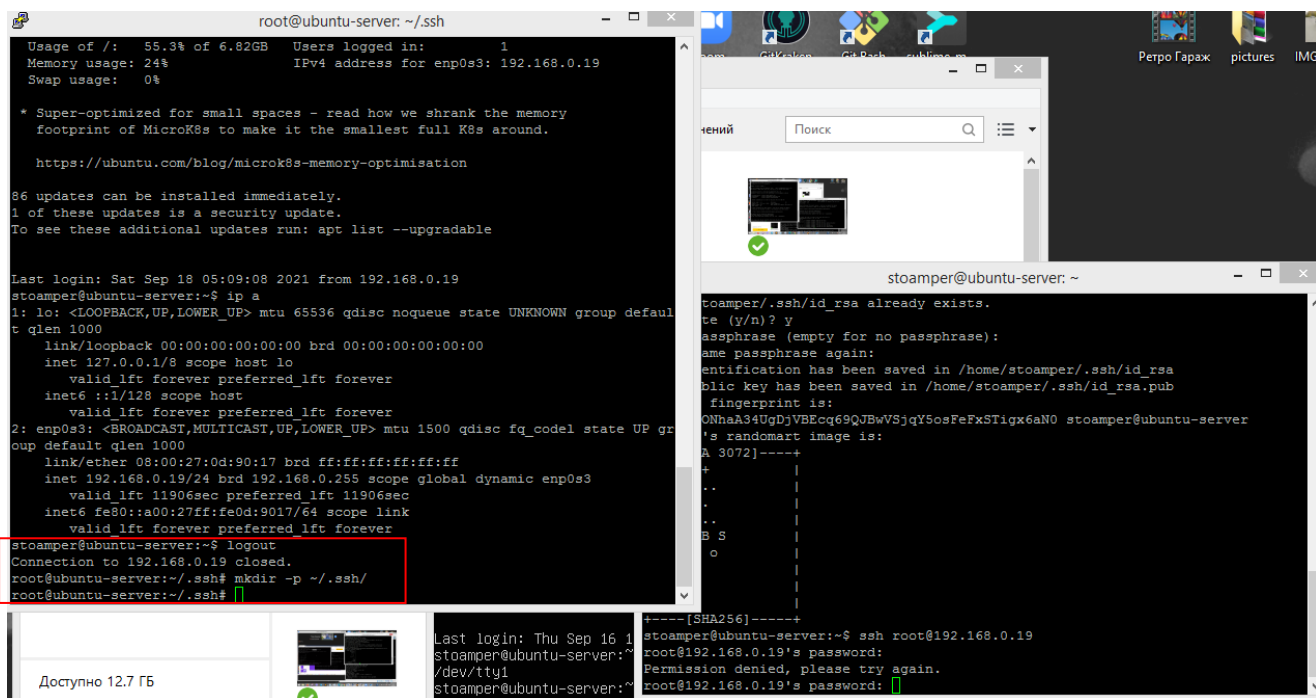


The screenshot shows a terminal window on the stoamper server. The user is prompted to enter a passphrase and confirm it. The key fingerprint is displayed as SHA256:ONhaA34UgDjVBecq69QJBwVSjqY5osFeFXStigx6aN0. The key's randomart image is also shown. The user then attempts to SSH as root, but the connection is denied.

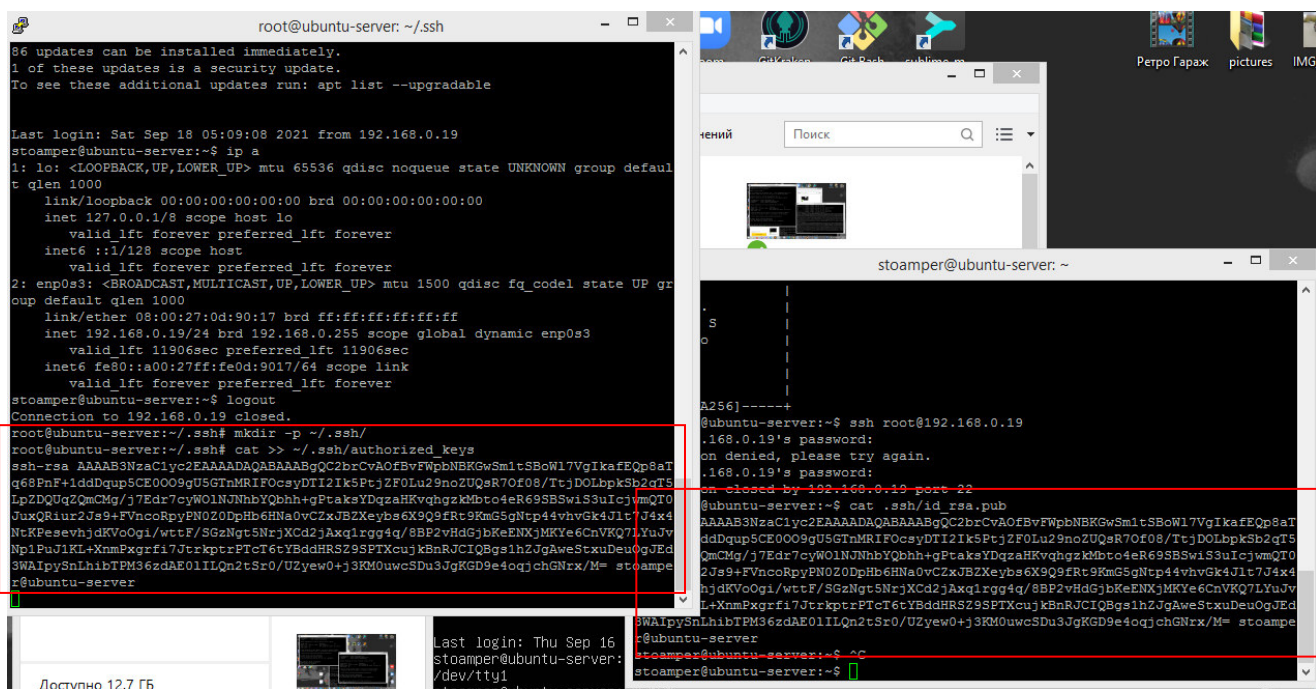
```
stoamper@ubuntu-server: ~  
System information as of Sat 18 Sep 2021 05:13:39 AM UTC  
  
System load:  0.1          Processes:            121  
Usage of /:   55.3% of 6.82GB Users logged in:      1  
Memory usage: 24%         IPv4 address for enp0s3: 192.168.0.19  
Swap usage:   0%  
  
* Super-optimized for small spaces - read how we shrank the memory  
  footprint of MicroK8s to make it the smallest full K8s around.  
  
https://ubuntu.com/blog/microk8s-memory-optimisation  
  
86 updates can be installed immediately.  
1 of these updates is a security update.  
To see these additional updates run: apt list --upgradable  
  
Last login: Sat Sep 18 05:09:08 2021 from 192.168.0.19  
stoamper@ubuntu-server:~$ ip a  
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group d  
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00  
    inet 127.0.0.1/8 scope host lo  
        valid_lft forever preferred_lft forever  
    inet6 ::1/128 scope host  
        valid_lft forever preferred_lft forever  
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state  
    link/ether 08:00:27:0d:90:17 brd ff:ff:ff:ff:ff:ff  
    inet 192.168.0.19/24 brd 192.168.0.255 scope global dynamic enp0s3  
        valid_lft 11906sec preferred_lft 11906sec  
    inet6 fe80::a00:27ff:fe0d:9017/64 scope link  
        valid_lft forever preferred_lft forever  
stoamper@ubuntu-server:~$  
  
stoamper@ubuntu-server:~$ ssh-keygen  
Generating public/private rsa key pair.  
Enter file in which to save the key (/home/stoamper/.ssh/id_rsa):  
/home/stoamper/.ssh/id_rsa already exists.  
Overwrite (y/n)? y  
Enter passphrase (empty for no passphrase):  
Enter same passphrase again:  
Your identification has been saved in /home/stoamper/.ssh/id_rsa  
Your public key has been saved in /home/stoamper/.ssh/id_rsa.pub  
The key fingerprint is:  
SHA256:ONhaA34UgDjVBecq69QJBwVSjqY5osFeFXStigx6aN0 stoamper@ubuntu-server  
The key's randomart image is:  
----[RSA 3072]-----  
|. . *B==+  
|=oooo...  
|*==+. .  
|*B=+.E..  
|O+ .o.B S  
|*O. .+ o  
|.O .  
-----[SHA256]-----  
stoamper@ubuntu-server:~$ ssh root@192.168.0.19  
root@192.168.0.19's password:  
Permission denied, please try again.  
root@192.168.0.19's password:
```

Причина: у пользователя root нет пароля

- Нужно подключиться другой консолью. Для этого создаем папку

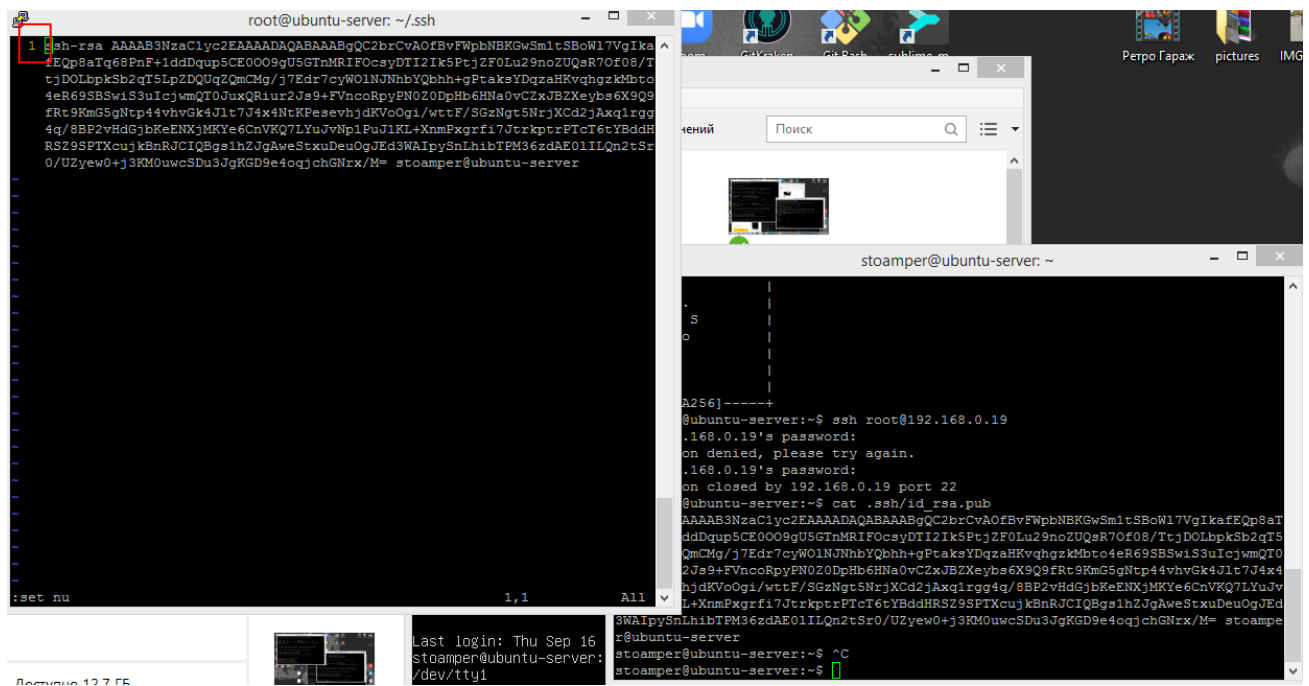


- Создаем файл и туда копируем наш публичный ключ. После копируем публичный ключ на сервер stoamper



>> - добавление в конец файла (т.к. если несколько публичных ключей, то чтобы их не затирать)

-



- Устанавливаем права на директорию и на файл

```

root@ubuntu-server: ~/.ssh
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group def
t qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP
oup default qlen 1000
    link/ether 08:00:27:0d:90:17 brd ff:ff:ff:ff:ff:ff
    inet 192.168.0.19/24 brd 192.168.0.255 scope global dynamic enp0s3
        valid_lft 11906sec preferred_lft 11906sec
    inet6 fe80::a00:27ff:fe0d:9017/64 scope link
        valid_lft forever preferred_lft forever
stoamper@ubuntu-server:~$ logout
Connection to 192.168.0.19 closed.
root@ubuntu-server:~/.ssh# mkdir -p ~/.ssh/
root@ubuntu-server:~/.ssh# cat >> ~/.ssh/authorized_keys
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGC2brCvAOfBvFWpbNBKGWsmItSBOW17VgIkafEQp
q68PnF+iddDqUp5CE0009gU5GtNmRIF0csyDTI2Ik5Ptj2F0Lu29noZUQsR7Of08/TtjDOLbpkSb2
LpZDQUq2QmCMg/j7Edr7cyW0LNhYQbhh+gPtaksYDqzaHKVqhgzkMto4eR69SBSw1S3uIcJwmQ
JuxQRiur2J9+fvNcoRpyFN020DpHb6HNa0vCZxJBZKeybs6X9Q9fRt9KmG5gNtp44vhvGk4Jlt7J
NtKPeSevhjdKVoOgi/wttF/SGzNgt5NrjXCD2jAxq1rgg4q/8BP2vHdGjbKeENXjMKYe6CnVKQ7LY
Np1PuJ1KL+XnmPxrfr17JtrkptrPTcT6tYBddHRSZ9SFTXcujkBnRJCIQBgslhZJgAweStxuDeuOg
3WAlpySnLh1bTPM36zdAE01ILQn2tSr0/UZyew0+j3RM0uwcSDu3JgKGD9e4oqjchGNrx/M= sto
r@ubuntu-server
root@ubuntu-server:~/.ssh# vim
root@ubuntu-server:~/.ssh# vim ^C
root@ubuntu-server:~/.ssh# ^C
root@ubuntu-server:~/.ssh# vim ~/.ssh/authorized_keys
root@ubuntu-server:~/.ssh# chmod 700 ~/.ssh/
root@ubuntu-server:~/.ssh# chmod 600 ~/.ssh/authorized_keys
root@ubuntu-server:~/.ssh#

```

- Пробуем подключиться к серверу stoamper пользователем root. Успешно

```

root@ubuntu-server: ~/.ssh
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group def
t qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP
oup default qlen 1000
    link/ether 08:00:27:0d:90:17 brd ff:ff:ff:ff:ff:ff
    inet 192.168.0.19/24 brd 192.168.0.255 scope global dynamic enp0s3
        valid_lft 11906sec preferred_lft 11906sec
    inet6 fe80::a00:27ff:fe0d:9017/64 scope link
        valid_lft forever preferred_lft forever
stoamper@ubuntu-server:~$ logout
Connection to 192.168.0.19 closed.
root@ubuntu-server:~/.ssh# mkdir -p ~/.ssh/
root@ubuntu-server:~/.ssh# cat >> ~/.ssh/authorized_keys
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGC2brCvAOfBvFWpbNBKGWsmItSBOW17VgIkafEQp
q68PnF+iddDqUp5CE0009gU5GtNmRIF0csyDTI2Ik5Ptj2F0Lu29noZUQsR7Of08/TtjDOLbpkSb2
LpZDQUq2QmCMg/j7Edr7cyW0LNhYQbhh+gPtaksYDqzaHKVqhgzkMto4eR69SBSw1S3uIcJwmQ
JuxQRiur2J9+fvNcoRpyFN020DpHb6HNa0vCZxJBZKeybs6X9Q9fRt9KmG5gNtp44vhvGk4Jlt7J
NtKPeSevhjdKVoOgi/wttF/SGzNgt5NrjXCD2jAxq1rgg4q/8BP2vHdGjbKeENXjMKYe6CnVKQ7LY
Np1PuJ1KL+XnmPxrfr17JtrkptrPTcT6tYBddHRSZ9SFTXcujkBnRJCIQBgslhZJgAweStxuDeuOg
3WAlpySnLh1bTPM36zdAE01ILQn2tSr0/UZyew0+j3RM0uwcSDu3JgKGD9e4oqjchGNrx/M= sto
r@ubuntu-server
root@ubuntu-server:~/.ssh# vim
root@ubuntu-server:~/.ssh# vim ^C
root@ubuntu-server:~/.ssh# ^C
root@ubuntu-server:~/.ssh# vim ~/.ssh/authorized_keys
root@ubuntu-server:~/.ssh# chmod 700 ~/.ssh/
root@ubuntu-server:~/.ssh# chmod 600 ~/.ssh/authorized_keys
root@ubuntu-server:~/.ssh#

```

```

stoamper@ubuntu-server:~$ ^C
stoamper@ubuntu-server:~$ ssh root@192.168.0.19
Welcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-84-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

System information as of Sat 18 Sep 2021 05:26:35 AM UTC

System load:  0.0          Processes:      123
Usage of /:   55.3% of 6.82GB   Users logged in: 1
Memory usage: 24%          IPv4 address for enp0s3: 192.168.0.19
Swap usage:   0%

 * Super-optimized for small spaces - read how we shrank the memory
   footprint of MicroK8s to make it the smallest full K8s around.

   https://ubuntu.com/blog/microk8s-memory-optimisation

86 updates can be installed immediately.
1 of these updates is a security update.
To see these additional updates run: apt list --upgradable

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.

```

```

root@ubuntu-server: ~/ssh
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group def
t qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state
oup default qlen 1000
    link/ether 08:00:27:0d:90:17 brd ff:ff:ff:ff:ff:ff
    inet 192.168.0.19/24 brd 192.168.0.255 scope global dynamic enp0s3
        valid_lft 11906sec preferred_lft 11906sec
    inet6 fe80::a00:27ff:fe0d:9017/64 scope link
        valid_lft forever preferred_lft forever
stoamper@ubuntu-server:~$ logout
Connection to 192.168.0.19 closed.
root@ubuntu-server:~/.ssh# mkdir -p ~/.ssh/
root@ubuntu-server:~/.ssh# cat >> ~/.ssh/authorized_keys
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQgQC2brCvAOEBvFWpbNBKGwSmtSBcWl7VgIkafE
q68PnF+iddDqup5CE0009gUSGtnMRIF0csyDTI2Ik5PtjZf0Lu29noZUQsR7Of08/TtjDOLbpkS
LpZDQUQ2QmCMg/j7Edr7cyWO1NjNhbYQbhh+gPtaksIDqzaHRVqhgZkMbtC4eR69SB5w1S3uIcJ
JuxQRiur2J9s9+FVncorPyFNOZ0DpHb6HNa0vCZxJBZKeybs6X9Q9fRt9KmG5gNtp44vhvGk4Jlt
NtKFesevhj4dKVoOgi/wttF/SGzNgtSNrjXCd2jAxq1rgg4q/BBF2vHdGjbKEnXjMKYe6CnVKQ7
Np1PuJ1KL+XmmExgrfi7JtrkptrPTcT6tYBddHRSZ9SFTXcuJkBNrJCIBgshhZJgAweStxuDeu
3WA1PySnLh1bTPM36zdaE01ILQn2tSr0/UZyew0+j3RM0uwcSDu3JgKGD9e4oqjchGNrx/M= st
r@ubuntu-server
root@ubuntu-server:~/.ssh# vim
root@ubuntu-server:~/.ssh# vim ^C
root@ubuntu-server:~/.ssh# ^C
root@ubuntu-server:~/.ssh# vim ~/.ssh/authorized_keys
root@ubuntu-server:~/.ssh# vim ~/.ssh/authorized_keys
root@ubuntu-server:~/.ssh# chmod 700 ~/.ssh/
root@ubuntu-server:~/.ssh# chmod 600 ~/.ssh/authorized_keys
root@ubuntu-server:~/.ssh#

```

Доступно 12.7 Гб



```

stoamper@ubuntu-server:~$ ssh root@192.168.0.19
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Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

root@ubuntu-server:~# logout
Connection to 192.168.0.19 closed.
stoamper@ubuntu-server:~$

```