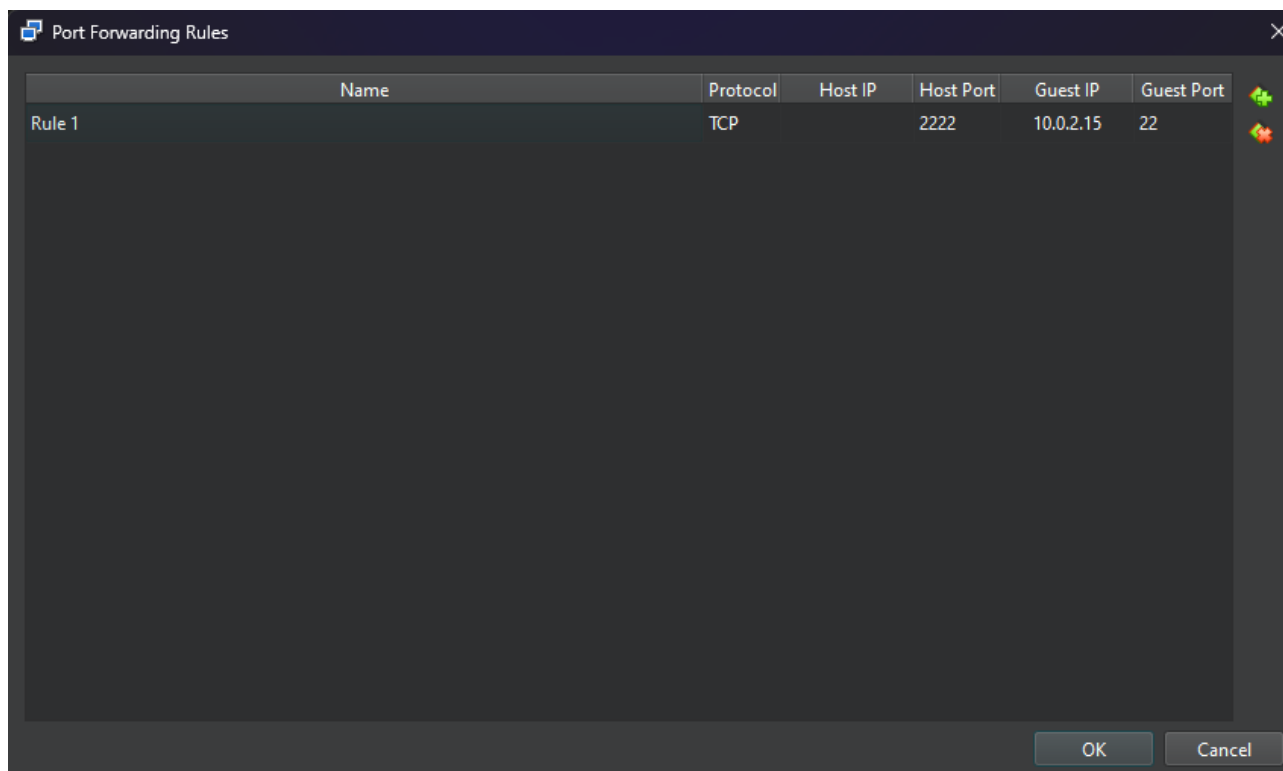


Кейс 1

```
usr@Ubuntu:~$ sudo systemctl start ssh
usr@Ubuntu:~$ sudo systemctl status ssh
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/usr/lib/systemd/system/ssh.service; disabled; preset: enabled)
   Active: active (running) since Fri 2024-12-20 15:16:52 UTC; 24s ago
 TriggeredBy: ● ssh.socket
   Docs: man:sshd(8)
        man:sshd_config(5)
  Process: 5897 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
 Main PID: 5899 (sshd)
    Tasks: 1 (limit: 8071)
  Memory: 1.2M (peak: 1.6M)
     CPU: 22ms
   CGroup: /system.slice/ssh.service
           └─5899 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Dec 20 15:16:52 Ubuntu systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
Dec 20 15:16:52 Ubuntu sshd[5899]: Server listening on :: port 22.
Dec 20 15:16:52 Ubuntu systemd[1]: Started ssh.service - OpenBSD Secure Shell server.
usr@Ubuntu:~$
```



Кейс 2

```
C:\Users\qqqq>ssh usr@localhost -p 2222
The authenticity of host '[localhost]:2222 ([127.0.0.1]:2222)' can't be established.
ED25519 key fingerprint is SHA256:Ao5j7aRqcciYK0+qmGjW6SjogfhSNos+NLxSDAmtvV0.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '[localhost]:2222' (ED25519) to the list of known hosts.
usr@localhost's password:
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-51-generic x86_64)

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

Expanded Security Maintenance for Applications is not enabled.

122 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

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.

usr@Ubuntu:~$
```

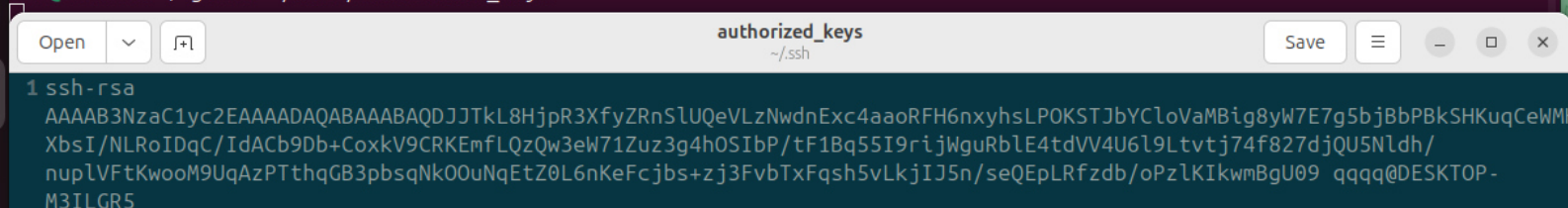
Кейс 3

[illegible]

Кейс 4

```
C:\Users\qqqq>ssh-keygen -t rsa -b 2048
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\qqqq\.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in C:\Users\qqqq\.ssh/id_rsa
Your public key has been saved in C:\Users\qqqq\.ssh/id_rsa.pub
The key fingerprint is:
SHA256:d9tK0VPpEOya/Mdk5T7aAXP3LEeJlpR1xWvmGOsXv6Q qqqq@DESKTOP-M3ILGR5
The key's randomart image is:
+---[RSA 2048]-----+
|
|             o+|
|      .   o o|
|        oo  .|
|     ..oo=o|
|  S  .  +*X=o|
|   o  +.X*=+|
|  +  B+++*|
|   o  =*=+|
|     oEooo|
+-----[SHA256]-----+
```

```
usr@Ubuntu:~$ gedit ~/.ssh/authorized_keys
```



```
1 ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQDJJTkL8HjpR3XfyZRnSlUqeVLzNwdnExc4aaorFH6nxyhsLPOKSTJbYClOvaMBig8yW7E7g5bjBbPBkSHKuqCeWM
XbsI/NLROIDqC/IdACb9Db+CoxkV9CRKEmlQzQw3eW71Zuz3g4h0SIbP/tf1Bq55I9rijWguRbLE4tdVV4U6l9Ltvjt74f827djQU5Nldh/
nuplVFtKwoom9UqAzPTthqGB3pbsqNk00uNqEtZ0L6nKeFcjbs+zj3FvbTxqsh5vLkjIJ5n/seQEPLrfzdb/oPzLKIkwmBgU09 qqqq@DESKTOP-
M3ILGR5
```

Microsoft Windows [Version 10.0.22631.4602]

(c) Корпорация Майкрософт (Microsoft Corporation). Все права защищены.

```
C:\Users\qqqq>ssh usr@localhost -p 2222
```

Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-51-generic x86_64)

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

Expanded Security Maintenance for Applications is not enabled.

122 updates can be applied immediately.

To see these additional updates run: `apt list --upgradable`

Enable ESM Apps to receive additional future security updates.

See <https://ubuntu.com/esm> or run: `sudo pro status`

Last login: Fri Dec 20 14:26:07 2024 from 10.0.2.2

```
usr@Ubuntu:~$ |
```

Кейс 5

Имя	Дата изменения	Тип	Размер
config	20.12.2024 18:10	Файл	1 КБ
id_rsa	20.12.2024 17:31	Файл	2 КБ
id_rsa	20.12.2024 17:31	Документ Micros...	1 КБ
known_hosts	20.12.2024 17:03	Файл	1 КБ
known_hosts.old	20.12.2024 17:03	Файл "OLD"	1 КБ

config

ФайлИзменитьПросмотр

```
Host server1
  HostName localhost
  User usr
  Port 2222
  IdentityFile C:/Users/qqqq/.ssh/id_rsa
```

usr@Ubuntu: ~

```
C:\Users\qqqq>ssh server1
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-51-generic x86_64)

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

Expanded Security Maintenance for Applications is not enabled.

122 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Fri Dec 20 15:00:32 2024 from 10.0.2.2
usr@Ubuntu:~$ |
```