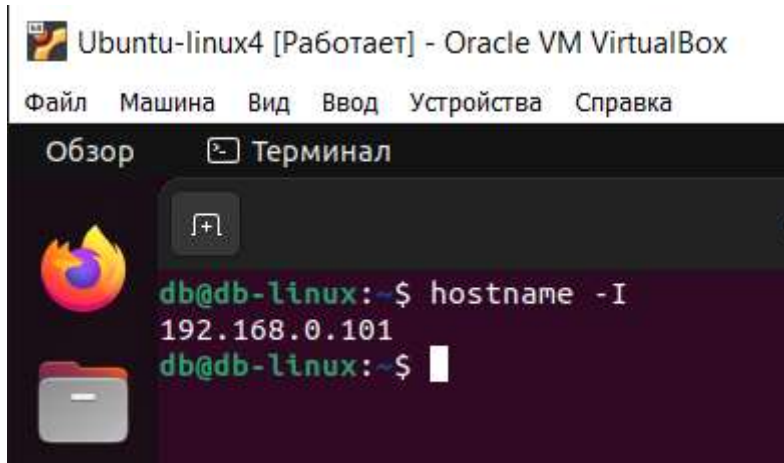
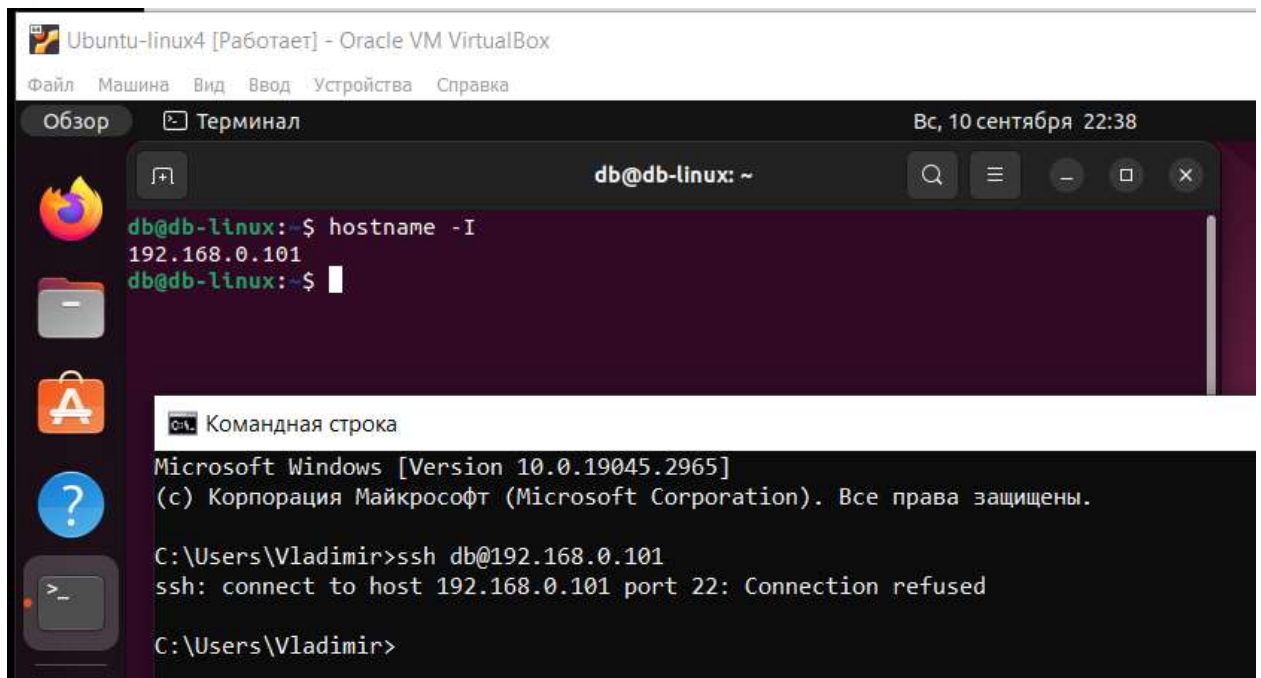


Здравствуйте! Не смог подключиться к удаленной VM



Почему-то командная строка отказала в соединении. У меня wi-fi и замена на Сетевой мост не помогла



Поэтому все пришлось делать по методичке

```
root@db-linux: /home/db
db@db-linux:~$ hostname -I
192.168.0.101
db@db-linux:~$ sudo su
[sudo] пароль для db:
root@db-linux:/home/db# ip netns list
root@db-linux:/home/db# ip netns add testns
root@db-linux:/home/db# ip netns list
testns
root@db-linux:/home/db# ip netns exec testns123 bash
Cannot open network namespace "testns123": No such file or directory
root@db-linux:/home/db# ip netns exec testns bash
root@db-linux:/home/db# ifconfig
Команда «ifconfig» не найдена, но может быть установлена с помощью:
apt install net-tools
root@db-linux:/home/db# ip link set dev lo up
root@db-linux:/home/db# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default 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
root@db-linux:/home/db# ip link add veth0 type veth peer name veth1
root@db-linux:/home/db# ip link add veth1 netns testns
Not enough information: "type" argument is required
```

```
root@db-linux:/home/db# ip addr add 10.0.0.1/24 dev veth0
root@db-linux:/home/db# ip link set dev veth0 up
root@db-linux:/home/db# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default 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: veth1@veth0: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 2e:ac:59:f4:0f:63 brd ff:ff:ff:ff:ff:ff
3: veth0@veth1: <NO-CARRIER,BROADCAST,MULTICAST,UP,M-DOWN> mtu 1500 qdisc noqueue state LOWERLAYERDOWN group default qlen 1000
    link/ether 52:81:3b:6d:47:16 brd ff:ff:ff:ff:ff:ff
    inet 10.0.0.1/24 scope global veth0
        valid_lft forever preferred_lft forever
root@db-linux:/home/db# sudo unshare --net /bin/bash
root@db-linux:/home/db# /home/lvl001# ip a
bash: /home/lvl001#: Нет такого файла или каталога
root@db-linux:/home/db# sudo unshare --pid --net --fork --mount-proc /bin/bash
root@db-linux:/home/db# ps -aux
USER          PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root           1  0.0  0.2  18888  4096 pts/3    S   22:55   0:00 /bin/bash
root           7  0.0  0.1  21620  3584 pts/3    R+  22:56   0:00 ps -aux
root@db-linux:/home/db#
```

db@db-linux:~\$ hostname -I

192.168.0.101

db@db-linux:~\$ sudo su

[sudo] пароль для db:

### **Создание сетевого пространства имен**

```
root@db-linux:/home/db# ip netns list
```

```
root@db-linux:/home/db# ip netns add testns
```

```
root@db-linux:/home/db# ip netns list
```

```
testns
```

```
root@db-linux:/home/db# ip netns exec testns123 bash
```

Cannot open network namespace "testns123": No such file or directory

```
root@db-linux:/home/db# ip netns exec testns bash
```

```
root@db-linux:/home/db# ifconfig
```

Команда «ifconfig» не найдена, но может быть установлена с помощью:

```
apt install net-tools
```

```
root@db-linux:/home/db# ip link set dev lo up
```

```
root@db-linux:/home/db# ip a
```

```
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default 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
```

```
root@db-linux:/home/db# ip link add veth0 type veth peer name veth1
```

```
root@db-linux:/home/db# ip link add veth1 netns testns
```

Not enough information: "type" argument is required

```
root@db-linux:/home/db# ip a
```

```
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default 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: veth1@veth0: <BROADCAST,MULTICAST,M-DOWN> mtu 1500 qdisc noop state DOWN group default qlen 1000
```

```
    link/ether 2e:ac:59:f4:0f:63 brd ff:ff:ff:ff:ff:ff
```

```
3: veth0@veth1: <BROADCAST,MULTICAST,M-DOWN> mtu 1500 qdisc noop state DOWN group default qlen 1000
```

```
link/ether 52:81:3b:6d:47:16 brd ff:ff:ff:ff:ff:ff
```

```
root@db-linux:/home/db# ip addr add 10.0.0.1/24 dev veth0
```

```
root@db-linux:/home/db# ip link set dev veth0 up
```

```
root@db-linux:/home/db# ip a
```

```
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default 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: veth1@veth0: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
```

```
link/ether 2e:ac:59:f4:0f:63 brd ff:ff:ff:ff:ff:ff
```

```
3: veth0@veth1: <NO-CARRIER,BROADCAST,MULTICAST,UP,M-DOWN> mtu 1500 qdisc noqueue state LOWERLAYERDOWN group default qlen 1000
```

```
link/ether 52:81:3b:6d:47:16 brd ff:ff:ff:ff:ff:ff
```

```
inet 10.0.0.1/24 scope global veth0
```

```
valid_lft forever preferred_lft forever
```

### Создание сетевого пространства имен

```
root@db-linux:/home/db# sudo unshare --net /bin/bash
```

```
root@db-linux:/home/db# /home/lvl001# ip a
```

```
bash: /home/lvl001#: Нет такого файла или каталога //К сожалению не удалось
```

### Изоляция

```
root@db-linux:/home/db# sudo unshare --pid --net --fork --mount-proc /bin/bash
```

```
root@db-linux:/home/db# ps -aux
```

| USER | PID | %CPU | %MEM | VSZ   | RSS  | TTY   | STAT | START | TIME | COMMAND   |
|------|-----|------|------|-------|------|-------|------|-------|------|-----------|
| root | 1   | 0.0  | 0.2  | 18888 | 4096 | pts/3 | S    | 22:55 | 0:00 | /bin/bash |
| root | 7   | 0.0  | 0.1  | 21620 | 3584 | pts/3 | R+   | 22:56 | 0:00 | ps -aux   |

```
root@db-linux:/home/db#
```