

1. Подключение между виртуалками по ssh:

```
admin@ubuntu-tms-3:~$ ssh 'admin@192.168.100.80'
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-37-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.

0 updates can be applied immediately.

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

Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your Internet connection or proxy settings

Last login: Mon Feb  9 09:38:27 2026 from 192.168.100.34
admin@ubuntu-tms-2:~$
```

```
admin@ubuntu-tms-2:~$ ssh 'admin@192.168.100.34'
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-37-generic x86_64)

 * Documentation: https://help.ubuntu.com
 * Management: https://landscape.canonical.com
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Expanded Security Maintenance for Applications is not enabled.

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

Last login: Mon Feb  9 09:37:13 2026 from 192.168.100.80
admin@ubuntu-tms-3:~$
```

2. Информация о релизе убунты подробная:

```
admin@ubuntu-tms-3:~$ cat /etc/os-release
PRETTY_NAME="Ubuntu 24.04.3 LTS"
NAME="Ubuntu"
VERSION_ID="24.04"
VERSION="24.04.3 LTS (Noble Numbat)"
VERSION_CODENAME=noble
ID=ubuntu
ID_LIKE=debian
HOME_URL="https://www.ubuntu.com/"
SUPPORT_URL="https://help.ubuntu.com/"
BUG_REPORT_URL="https://bugs.launchpad.net/ubuntu/"
PRIVACY_POLICY_URL="https://www.ubuntu.com/legal/terms-and-policies/privacy-policy"
UBUNTU_CODENAME=noble
LOGO=ubuntu-logo
```

3. Информация о релизе убунты краткая:

```
admin@ubuntu-tms-3:~$ lsb_release -a
No LSB modules are available.
Distributor ID: Ubuntu
Description:    Ubuntu 24.04.3 LTS
Release:        24.04
Codename:       noble
```

4. Информация о архитектуре процессора:

```
admin@ubuntu-tms-3:~$ uname -m  
x86_64
```

5. Информация содержит имя ядра, имя хоста, версию ядра, сведения о сборке ядра, архитектуру процессора и аппаратной платформы, имя операционной системы:

```
admin@ubuntu-tms-3:~$ uname -a  
Linux ubuntu-tms-3 6.14.0-37-generic #37~24.04.1-Ubuntu SMP PREEMPT_DYNAMIC Thu  
Nov 20 10:25:38 UTC 2023 x86_64 x86_64 x86_64 GNU/Linux
```

6. Информация содержит сведения об ОЗУ и выделенной: всего (total), занято (used), не занятая ничем (free), память, используемая совместно разными процессами (shared), память, относящаяся к буферу и к кешу ядра (buff/cache), доступная память для новых процессов, которая может выделяться без swap (available):

```
admin@ubuntu-tms-3:~$ free -h  
              total        used        free      shared  buff/cache   available  
Mem:       3.8Gi       1.0Gi       1.6Gi      34Mi       1.4Gi       2.8Gi  
Swap:          0B          0B          0B
```

7. Всего ОЗУ:

```
admin@ubuntu-tms-3:~$ cat /proc/meminfo | grep MemTotal  
MemTotal:           4009452 kB
```

8. Подробная информация о процессоре:

```
admin@ubuntu-tms-3:~$ lscpu  
Architecture:          x86_64  
CPU op-mode(s):       32-bit, 64-bit  
Address sizes:        48 bits physical, 48 bits virtual  
Byte Order:           Little Endian  
CPU(s):               5  
On-line CPU(s) list:  0-4  
Vendor ID:            AuthenticAMD  
Model name:           AMD Ryzen 5 5600G with Radeon Graphics  
CPU family:           25  
Model:                80  
Thread(s) per core:   1  
Core(s) per socket:   5  
Socket(s):            1  
Stepping:             0  
BogoMIPS:             7799.81  
Flags:                fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush mmx fxsr  
sse sse2 ht syscall nx mmxext fxsr_opt rdtscl lm constant_tsc rep_good nopl nonstop_tsc  
cpuid extd_apicid tsc_known_freq pn1 pclmulqdq ssse3 fma cx16 sse4_1 sse4_2 movbe popcn  
t aes xsave avx f16c rdrand hypervisor lahf_lm cmp_legacy cr8 legacy abm sse4a misaligns  
se 3dnowprefetch vmmcall fsgsbase bmi1 avx2 bmi2 invpcid rdseed adx clflushopt sha_nt ar  
at debug_swap  
  
Virtualization features:  
Hypervisor vendor:    KVM  
Virtualization type:  full  
Caches (sum of all):  
L1d:                  160 KiB (5 instances)  
L1i:                  160 KiB (5 instances)  
L2:                   2.5 MiB (5 instances)  
L3:                   80 MiB (5 instances)
```

```
NUMA:  
  NUMA node(s):          1  
  NUMA node0 CPU(s):    0-4  
Vulnerabilities:  
  Gather data sampling:  Not affected  
  Ghostwrite:           Not affected  
  Indirect target selection: Not affected  
  Itlb multihit:        Not affected  
  Lift:                 Not affected  
  Mds:                  Not affected  
  Meltdown:             Not affected  
  Mmio stale data:      Not affected  
  Reg file data sampling: Not affected  
  Retbleed:              Not affected  
  Spec rstack overflow: Vulnerable: Safe RET, no microcode  
  Spec store bypass:    Not affected  
  Spectre v1:            Mitigation; usercopy/swapgs barriers and __user pointer sanitization  
  Spectre v2:            Mitigation; Retpolines; STIBP disabled; RSB filling; PBRSB-eIBRS Not affected; BHI Not affected  
  Srbds:                Not affected  
  Tsx:                  Vulnerable: Clear CPU buffers attempted, no microcode  
  Tsx async abort:      Not affected  
  Vnscape:               Not affected
```

9. Имя процессора:

```
admin@ubuntu-tms-3:~$ cat /proc/cpuinfo | grep model name  
model name      : AMD Ryzen 5 5600G with Radeon Graphics  
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model name      : AMD Ryzen 5 5600G with Radeon Graphics  
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```