

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
 * 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

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 2 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 кэшу ядра (buff/cache), доступная память для новых процессов, которая может выделиться 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 rdtscp lm constant_tsc rep_good nopl nonstop_tsc
                        cpuid extd_apicid tsc_known_freq pni 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 vmcall fsgsbase bmi1 avx2 bmi2 invpcid rdseed adx clflushopt sha_ni 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
  L1tf:                 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
  Tsa:                  Vulnerable: Clear CPU buffers attempted, no microcode
  Tsx async abort:      Not affected
  Vmscape:              Not affected

```

9. Имя процессора:

```

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