МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ РФ

ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ БЮДЖЕТНОЕ ОБРАЗОВАТЕЛЬНОЕ УЧРЕЖДЕНИЕ ВЫСШЕГО ОБРАЗОВАНИЯ «ЛИПЕЦКИЙ ГОСУДАРСТВЕННЫЙ ТЕХНИЧЕСКИЙ УНИВЕРСИТЕТ»

Факультет автоматизации и информатики
Кафедра автоматизированных систем управления

Лабораторная работа № 6

по дисциплине “Linux”

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(подпись, дата)

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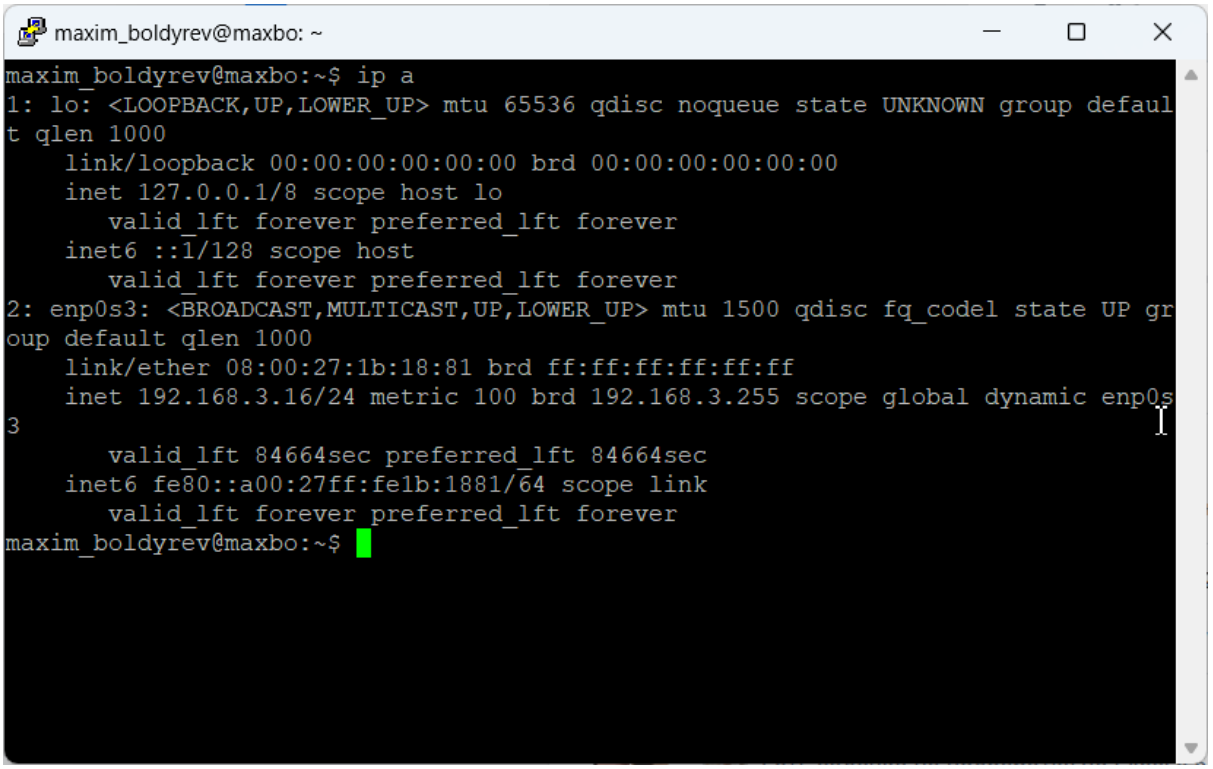
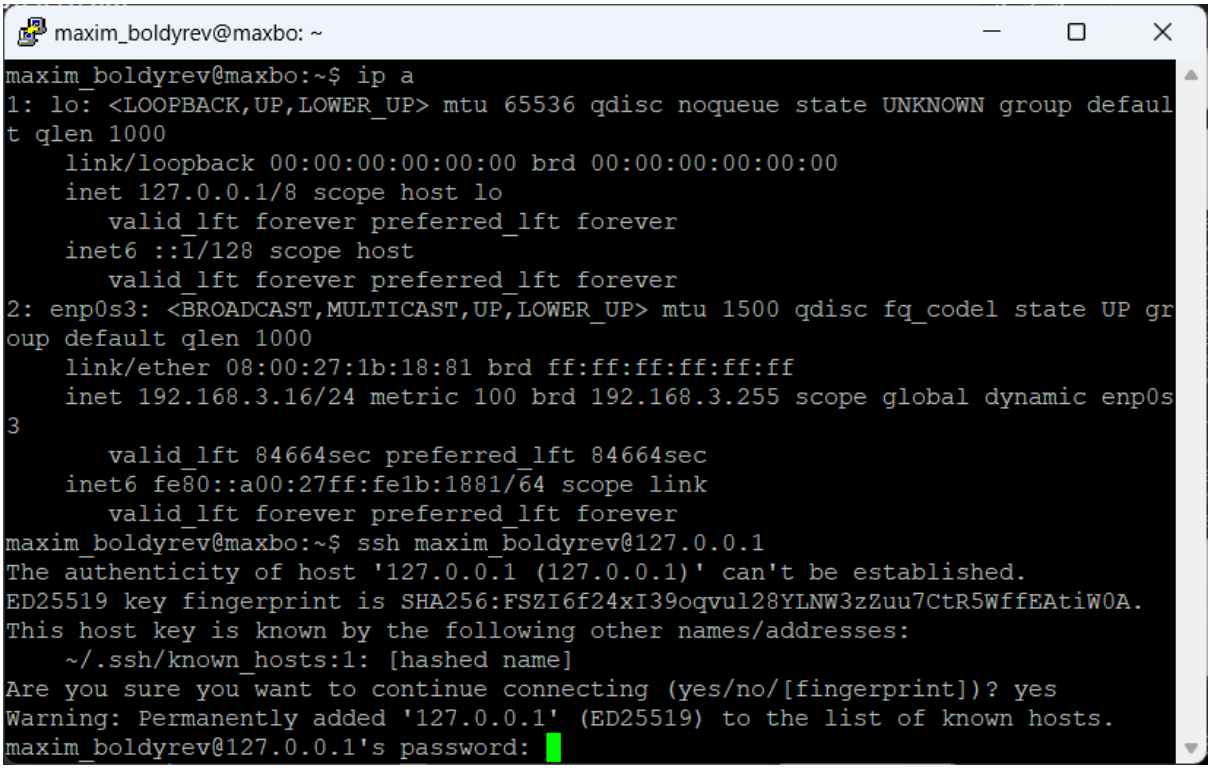
(подпись, дата)

Липецк 2024

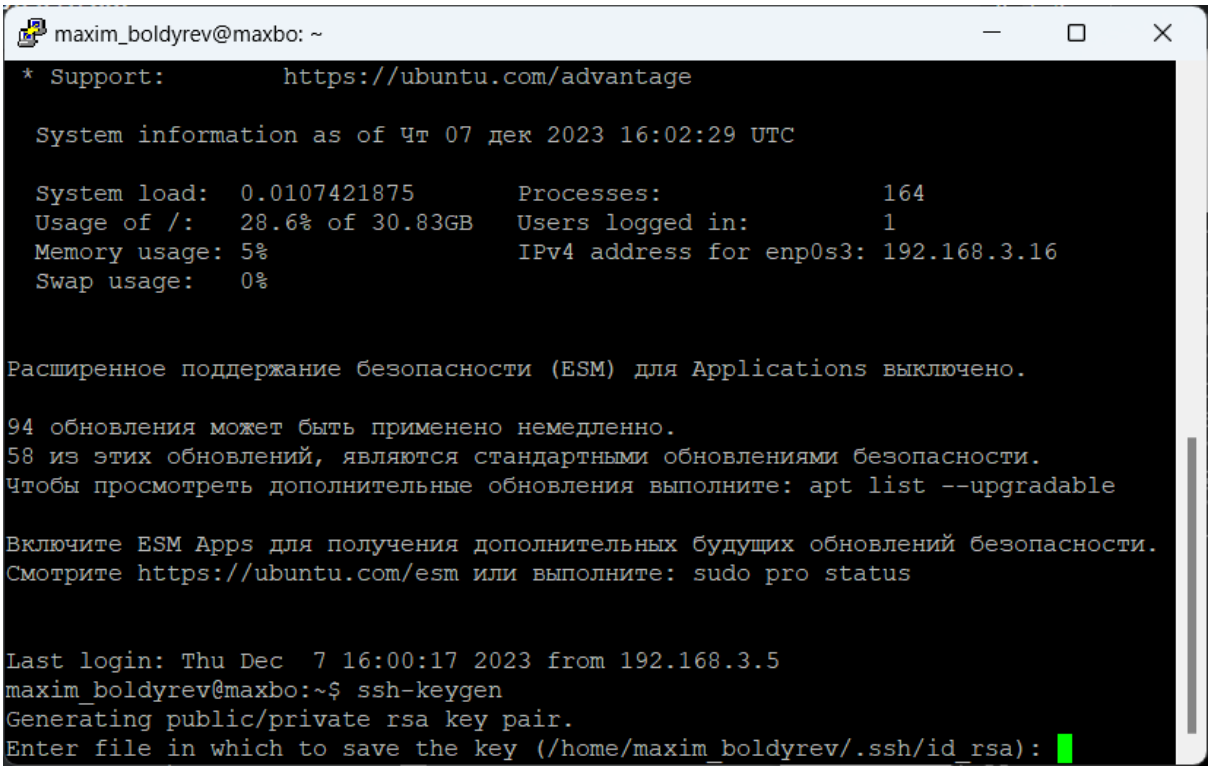
1. Смотрим ip

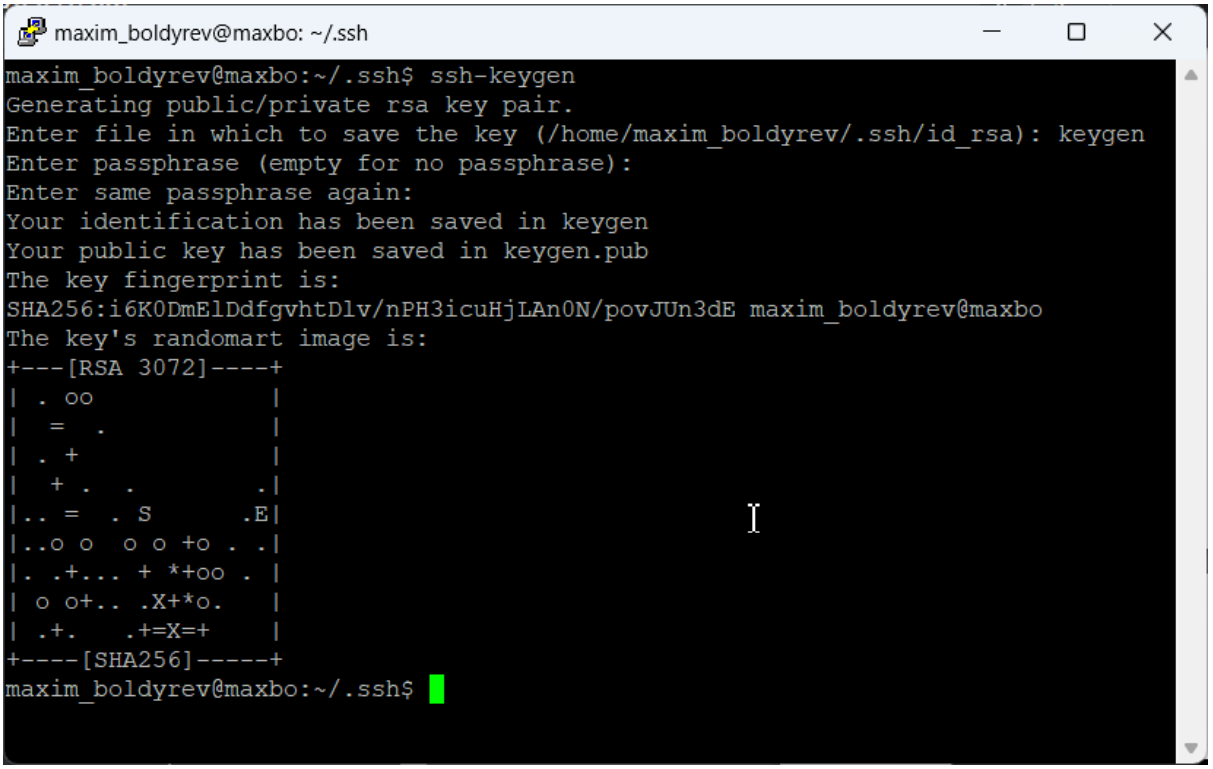


2. Подключаемся по ssh



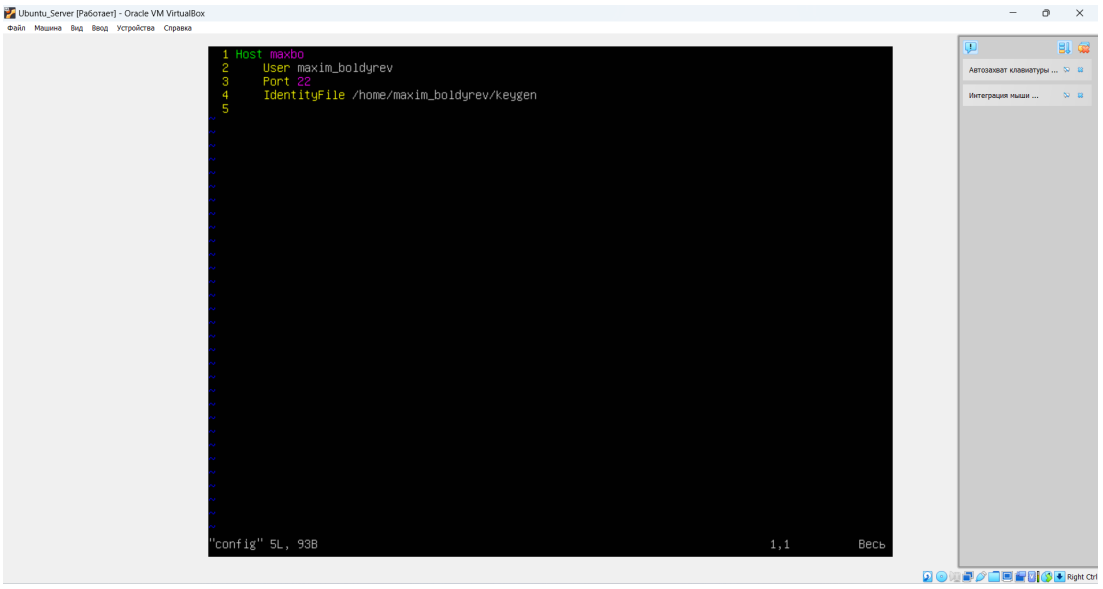
3. Генерируем ключ



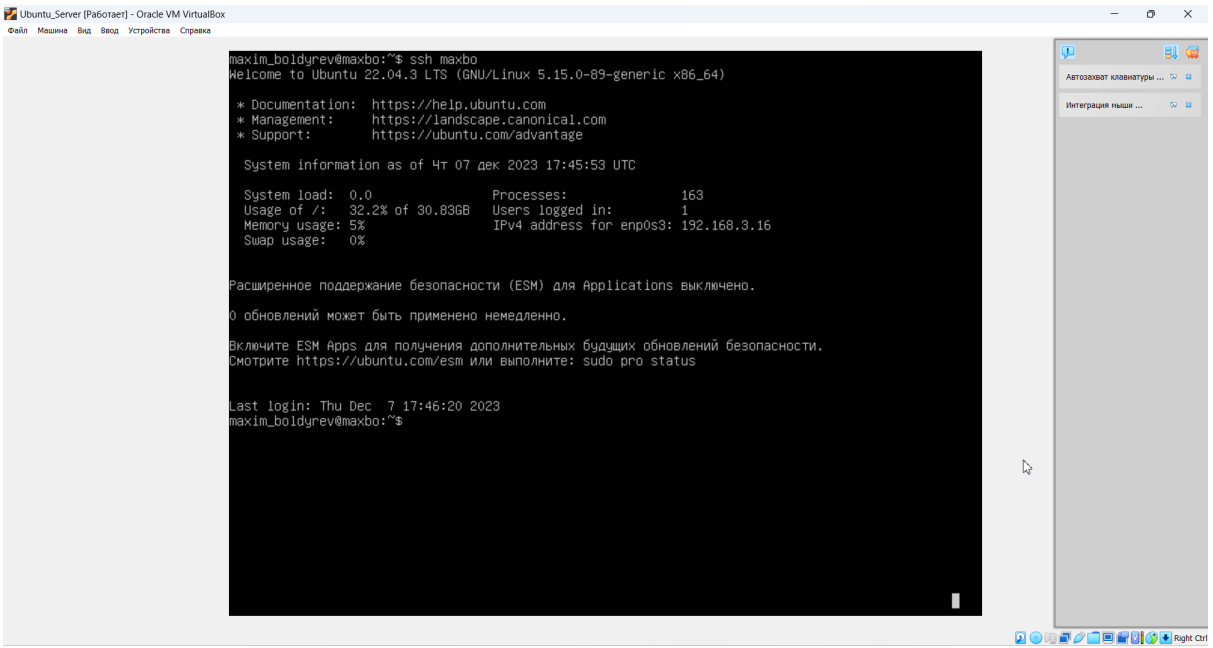


4. Перемещаем файл конфигурации

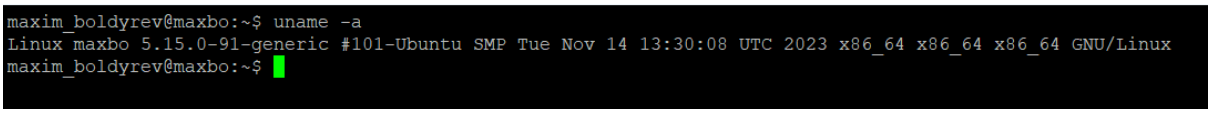
5. Смотрим файл конфигурации



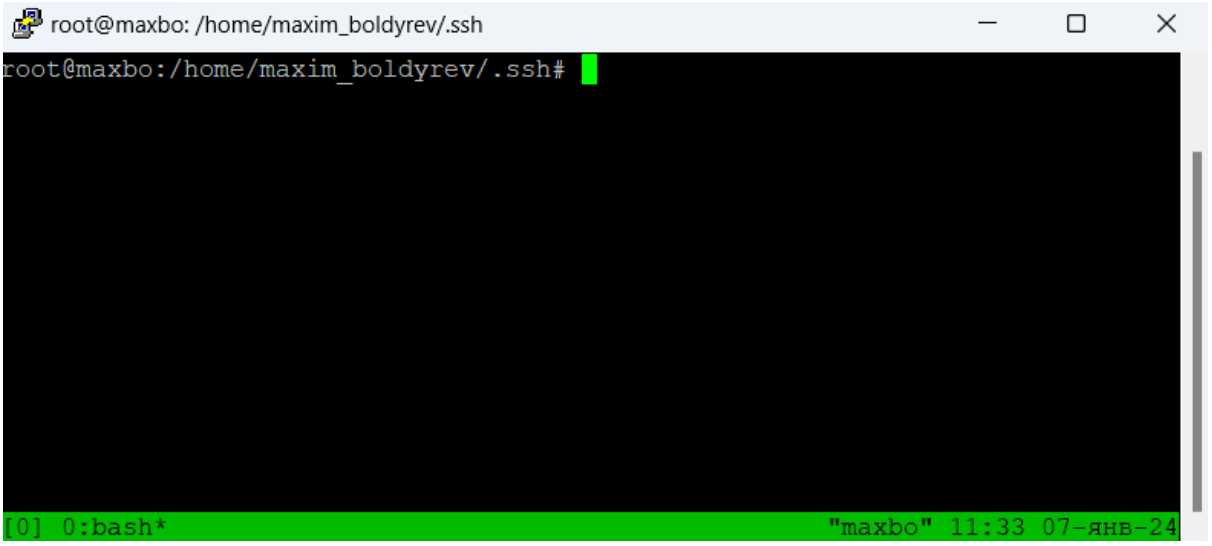
6. Входим без пароля



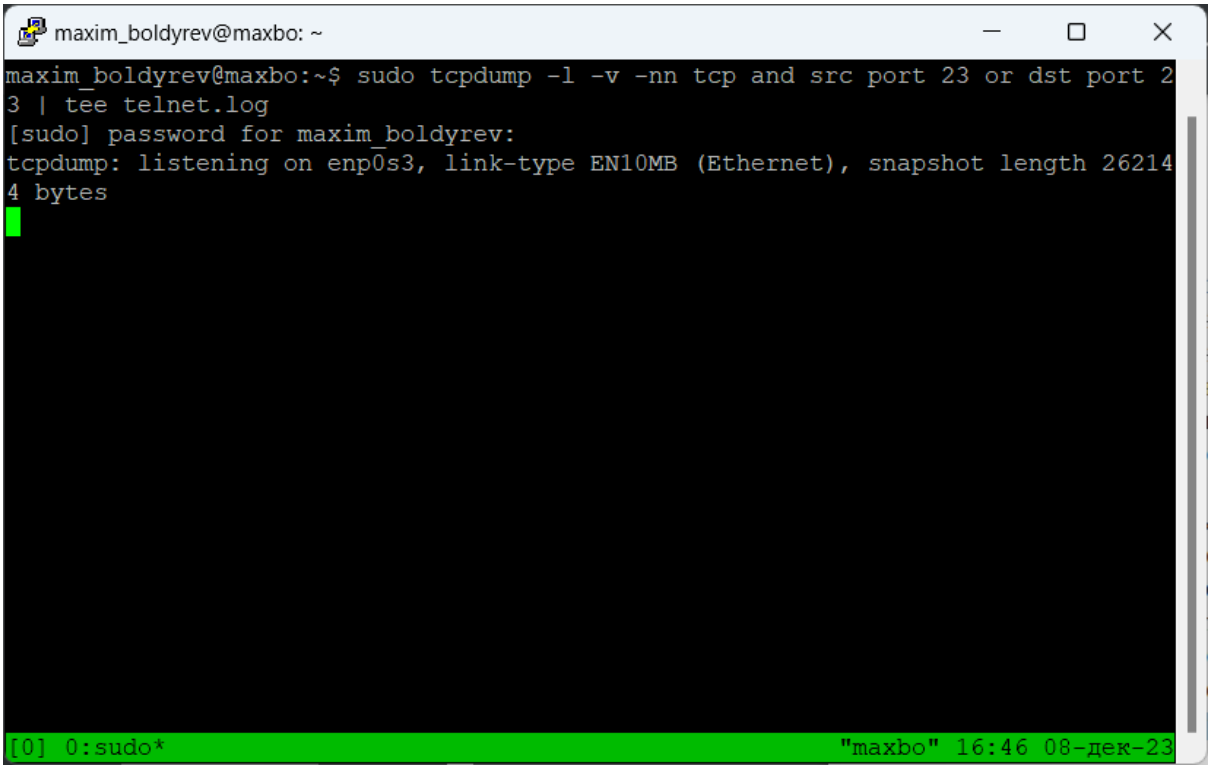
7. Смотрим информацию о системе



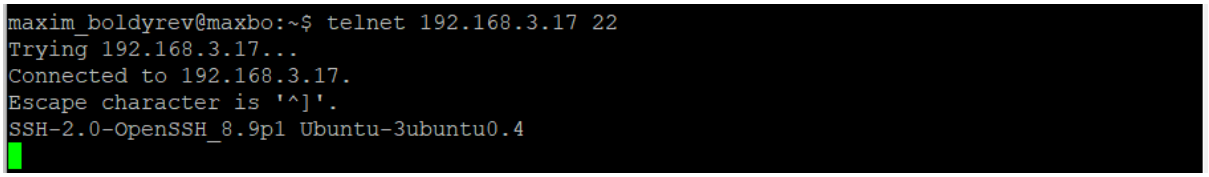
8. Запускаем tmux



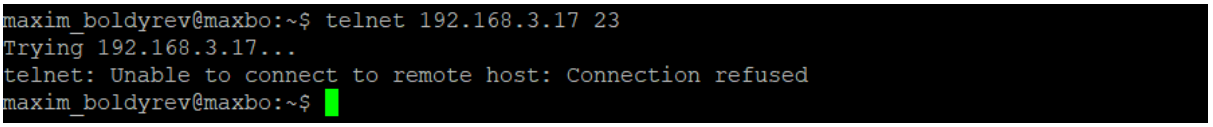
9. Запускаем tcpdump по порту 23



10. Установка соединения с удаленной системой по 22 порту



11. Установка соединения с удаленной системой по 23 порту. Получаем ошибку



12. Содержимое файла telnet.log

13.Содержимое файла ssh.log

192.168.0.102.49552 > 192.168.0.104.22: Flags [P.], cksum 0x82c9 (incorrect -> 0x2dc1), seq 3526
:3658, ack 3374, win 501, options [nop,nop,TS val 1211683787 ecr 1710156105], length 132
14:56:43.023216 IP (tos 0x8, ttl 64, id 15487, offset 0, flags [DF], proto TCP (6), length 88)
192.168.0.104.22 > 192.168.0.102.49552: Flags [P.], cksum 0xb3f0 (correct), seq 3374:3410, ack 3
658, win 501, options [nop,nop,TS val 1710156107 ecr 1211683787], length 36
14:56:43.023779 IP (tos 0x8, ttl 64, id 21529, offset 0, flags [DF], proto TCP (6), length 88)
192.168.0.102.49552 > 192.168.0.104.22: Flags [P.], cksum 0x8269 (incorrect -> 0x8ab9), seq 3658
:3694, ack 3410, win 501, options [nop,nop,TS val 1211683789 ecr 1710156107], length 36
14:56:43.028360 IP (tos 0x8, ttl 64, id 15488, offset 0, flags [DF], proto TCP (6), length 88)
192.168.0.104.22 > 192.168.0.102.49552: Flags [P.], cksum 0x1184 (correct), seq 3410:3446, ack 3
694, win 501, options [nop,nop,TS val 1710156112 ecr 1211683789], length 36
14:56:43.030064 IP (tos 0x8, ttl 64, id 15489, offset 0, flags [DF], proto TCP (6), length 140)
192.168.0.104.22 > 192.168.0.102.49552: Flags [P.], cksum 0x870f (correct), seq 3446:3534, ack 3
694, win 501, options [nop,nop,TS val 1710156114 ecr 1211683789], length 88
14:56:43.030256 IP (tos 0x8, ttl 64, id 21530, offset 0, flags [DF], proto TCP (6), length 52)
192.168.0.102.49552 > 192.168.0.104.22: Flags [.], cksum 0x8245 (incorrect -> 0x2f7c), ack 3534,
win 501, options [nop,nop,TS val 1211683796 ecr 1710156112], length 0
14:56:43.030424 IP (tos 0x8, ttl 64, id 21531, offset 0, flags [DF], proto TCP (6), length 88)
192.168.0.102.49552 > 192.168.0.104.22: Flags [P.], cksum 0x8269 (incorrect -> 0x6385), seq 3694
:3730, ack 3534, win 501, options [nop,nop,TS val 1211683796 ecr 1710156112], length 36
14:56:43.030562 IP (tos 0x8, ttl 64, id 21532, offset 0, flags [DF], proto TCP (6), length 112)
192.168.0.102.49552 > 192.168.0.104.22: Flags [P.], cksum 0x8281 (incorrect -> 0xce05), seq 3730
:3790, ack 3534, win 501, options [nop,nop,TS val 1211683796 ecr 1710156112], length 60
14:56:43.030694 IP (tos 0x8, ttl 64, id 21533, offset 0, flags [DF], proto TCP (6), length 52)
192.168.0.102.49552 > 192.168.0.104.22: Flags [F.], cksum 0x8245 (incorrect -> 0x2f1b), seq 3790
, ack 3534, win 501, options [nop,nop,TS val 1211683796 ecr 1710156112], length 0
14:56:43.032495 IP (tos 0x8, ttl 64, id 15490, offset 0, flags [DF], proto TCP (6), length 52)
192.168.0.104.22 > 192.168.0.102.49552: Flags [.], cksum 0x2f17 (correct), ack 3791, win 501, op
tions [nop,nop,TS val 1710156116 ecr 1211683796], length 0
14:56:43.044979 IP (tos 0x8, ttl 64, id 15491, offset 0, flags [DF], proto TCP (6), length 52)
192.168.0.104.22 > 192.168.0.102.49552: Flags [F.], cksum 0x2f09 (correct), seq 3534, ack 3791,
win 501, options [nop,nop,TS val 1710156129 ecr 1211683796], length 0
14:56:43.045029 IP (tos 0x8, ttl 64, id 0, offset 0, flags [DF], proto TCP (6), length 52)
192.168.0.102.49552 > 192.168.0.104.22: Flags [.], cksum 0x2efb (correct), ack 3535, win 501, op
tions [nop,nop,TS val 1211683810 ecr 1710156129], length 0