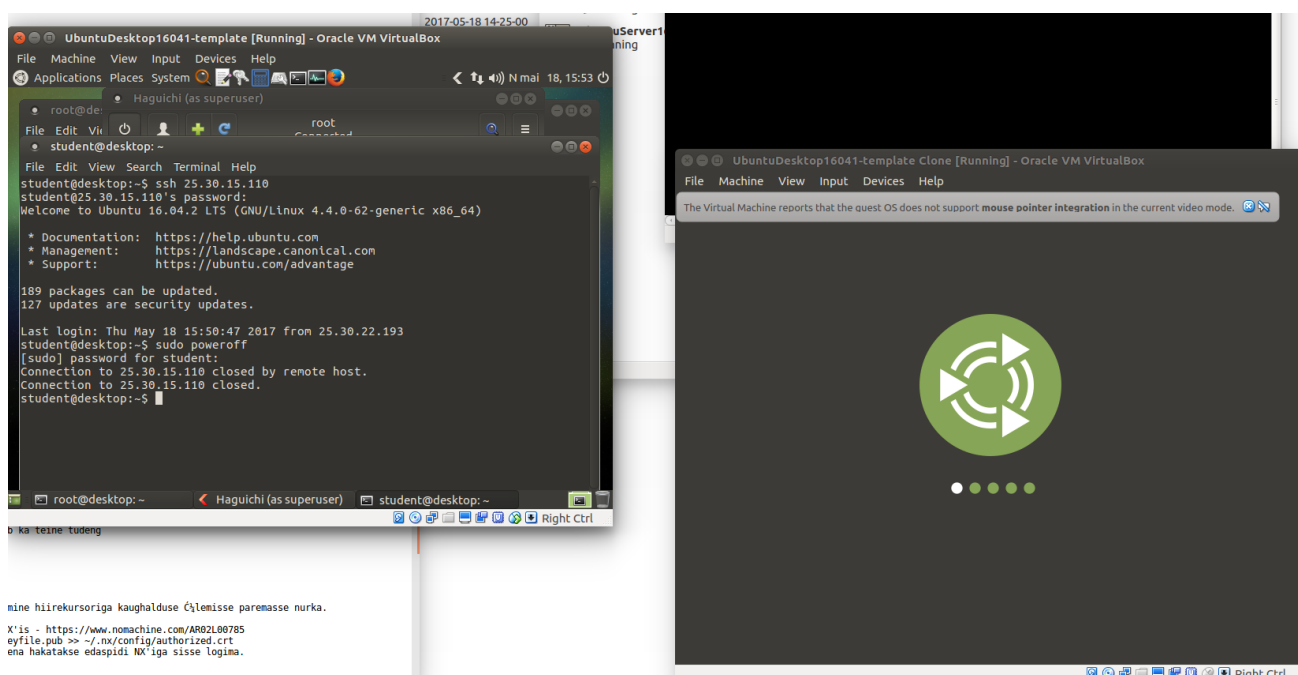


# Praktikum 19 Katkematu kaughaldus (GUI+CLI) piiratud võrgus

## Contents

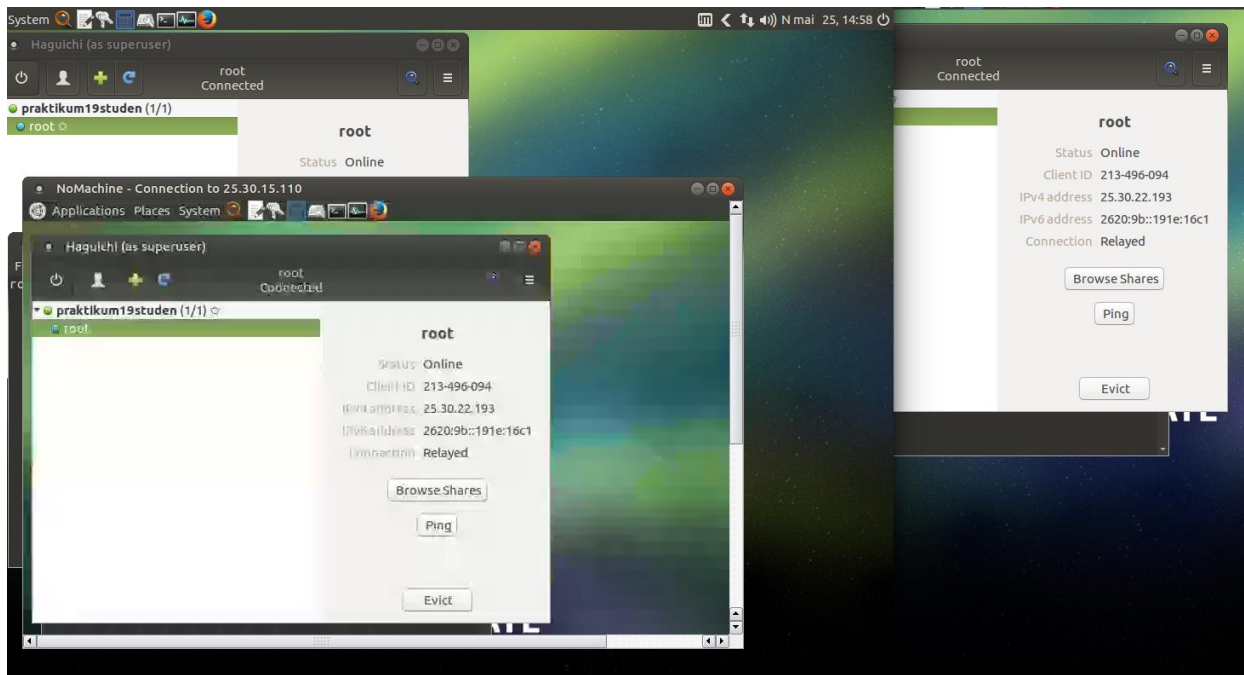
Praktikum 19 Katkematu kaughaldus (GUI+CLI) piiratud võrgus .....	1
Lisa.....	3

Virtuaalmasinas panin jooksma 2 Ubuntu Desktopi ja ühe Ubuntu serveri. Konfigureerisin IP aadressid, panin kaughalduse OpenSSH tööle ja proovisin ühelt Ubuntu virtuaalmasinalt välja lülitada teise Ubuntu virtuaalmasina:



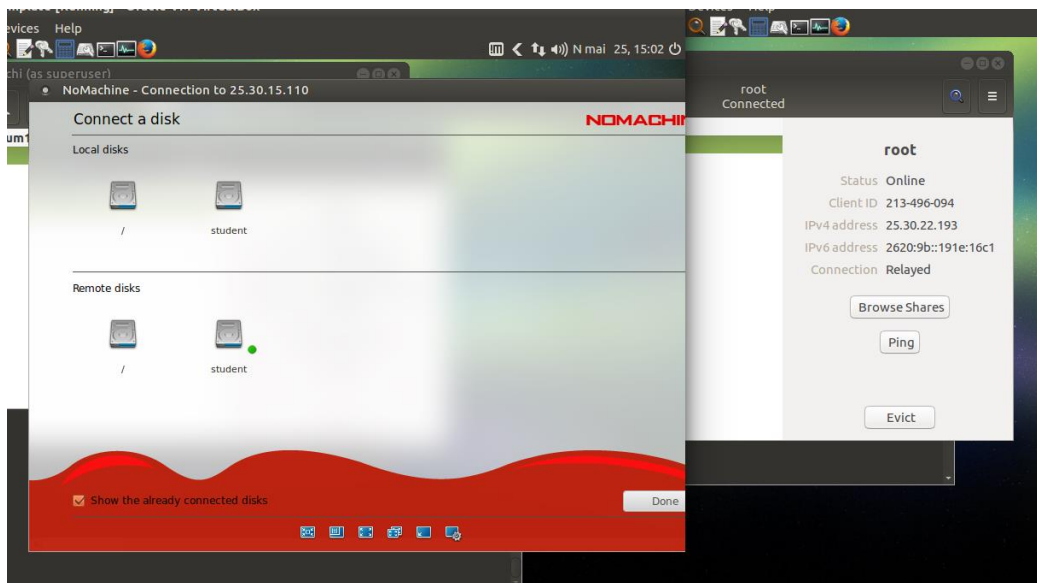
Pilt 1 Ühelt virtuaalmasinalt andsin teisele virtuaalmasinale käsu välja lülitada

VPN'i ühenduse loomiseks kasutasin Hamachit:



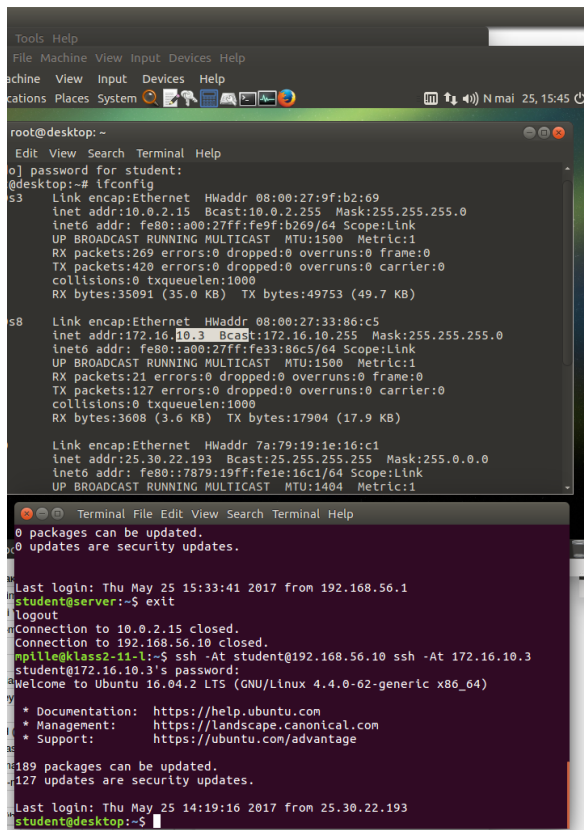
Pilt 2 Hamachi on konfigureeritud ja mõlemad virtuaalmasinad on nähtavad

Kasutades Nomachine, sain ma kaughaldusega virtuaalmasinasse sisse. Haakisin teise virtuaalmasina Ubuntu kõvaketta Nomachine abiga külge:



Pilt 3 Nomachine'ga on haagitud virtuaalmasina kõvaketas teise virtuaalmasinaga

SSH proxy töötab, ühendusin kooliarvutilt virtuaalmasinasse:



```
Tools Help
File Machine View Input Devices Help
Machine View Input Devices Help
Applications Places System
root@desktop: ~
Edit View Search Terminal Help
o] password for student:
@desktop:~# ifconfig
s3 Link encap:Ethernet Hwaddr 08:00:27:9f:b2:69
   inet addr:10.0.2.15 Bcast:10.0.2.255 Mask:255.255.255.0
   inet6 addr: fe80::a00:27ff:fe9f:b269/64 Scope:Link
   UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
   RX packets:269 errors:0 dropped:0 overruns:0 frame:0
   TX packets:420 errors:0 dropped:0 overruns:0 carrier:0
   collisions:0 txqueuelen:1000
   RX bytes:35091 (35.0 KB) TX bytes:49753 (49.7 KB)

s8 Link encap:Ethernet Hwaddr 08:00:27:33:86:c5
   inet addr:172.16.10.3 Bcast:172.16.10.255 Mask:255.255.255.0
   inet6 addr: fe80::a00:27ff:fe33:86c5/64 Scope:Link
   UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
   RX packets:21 errors:0 dropped:0 overruns:0 frame:0
   TX packets:127 errors:0 dropped:0 overruns:0 carrier:0
   collisions:0 txqueuelen:1000
   RX bytes:3608 (3.6 KB) TX bytes:17904 (17.9 KB)

Link encap:Ethernet Hwaddr 7a:79:19:1e:16:c1
   inet addr:25.30.22.193 Bcast:25.255.255.255 Mask:255.0.0.0
   inet6 addr: fe80::7879:19ff:fe1e:16c1/64 Scope:Link
   UP BROADCAST RUNNING MULTICAST MTU:1404 Metric:1

0 packages can be updated.
0 updates are security updates.

Last login: Thu May 25 15:33:41 2017 from 192.168.56.1
student@server:~$ exit
logout
Connection to 10.0.2.15 closed.
Connection to 192.168.56.10 closed.
mpille@klass2-11-1:~$ ssh -At student@192.168.56.10 ssh -At 172.16.10.3
student@172.16.10.3's password:
Welcome to Ubuntu 16.04.2 LTS (GNU/Linux 4.4.0-62-generic x86_64)

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

189 packages can be updated.
127 updates are security updates.

Last login: Thu May 25 14:19:16 2017 from 25.30.22.193
student@desktop:~$
```

Pilt 4 Ühendusin kooliarvutilt virtuaalmasinasse

**Lisa**

Praktikum on tehtud 2 praktikumitunniga.