Remote Network Address

Tomasz Urban

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1 Install SSH service

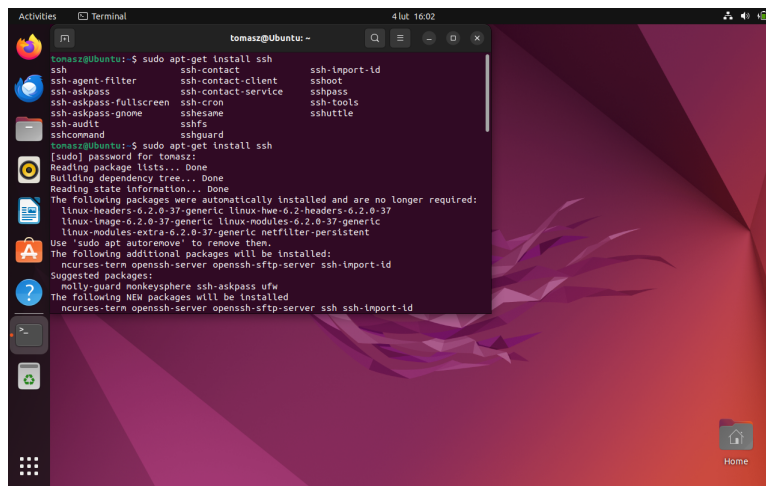On virtual machine SSH server has been installed.

Figure 1: SSH server installation

2 Check whether SSH server is available

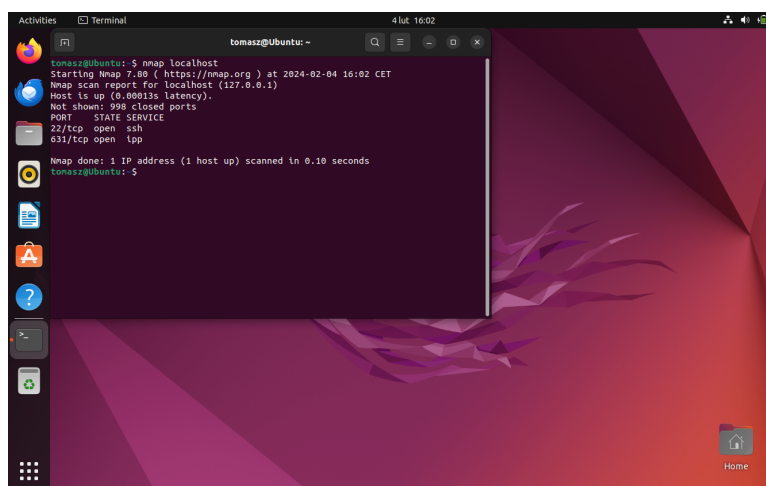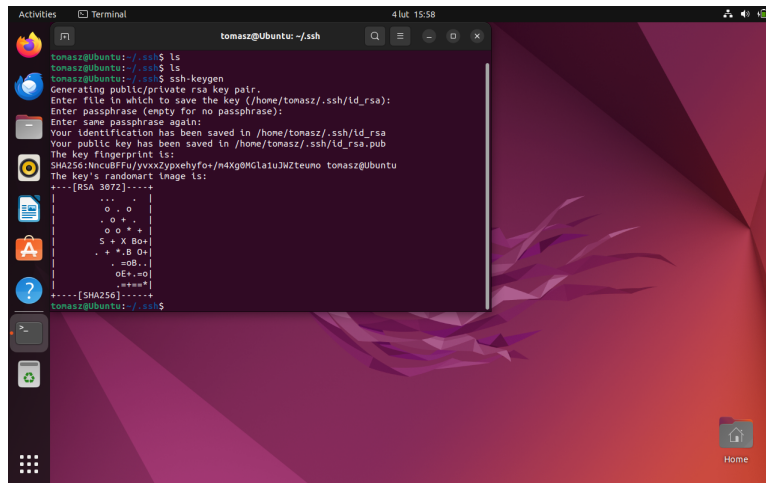With nmap all listening ports on ubuntu virtual machine have been listed.
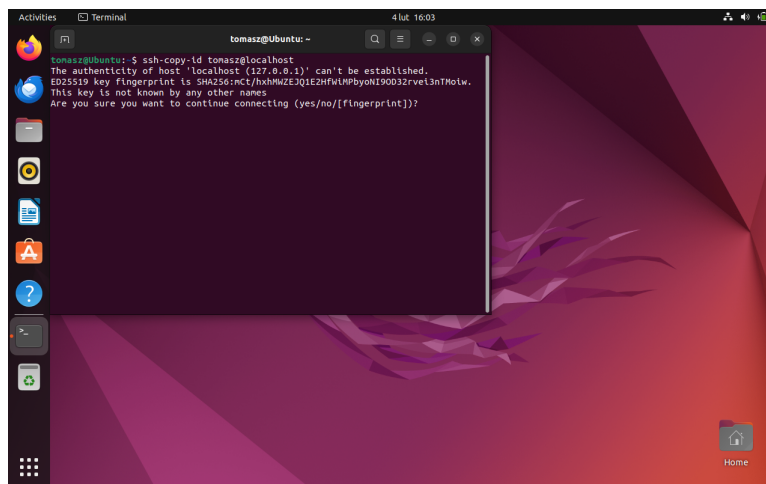

Figure 2: Check open ports on VM

3 Create pair of public/private keys

Figure 3: Create pair of public and private keys

4 Copy public key to SSH server

Figure 4: Copy public key to SSH server

5 Create answer script

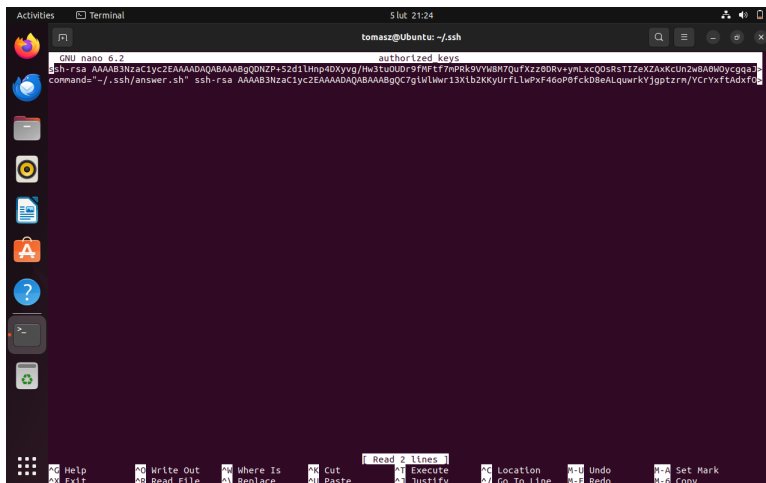To achieve expected results a special script answer.sh has been created. Content has been presented below.

Figure 5: Content of answer.sh

6 Authorized_keys modification

Command option has been added for public key created by localhost.

Figure 6: Content of authorized_keys file
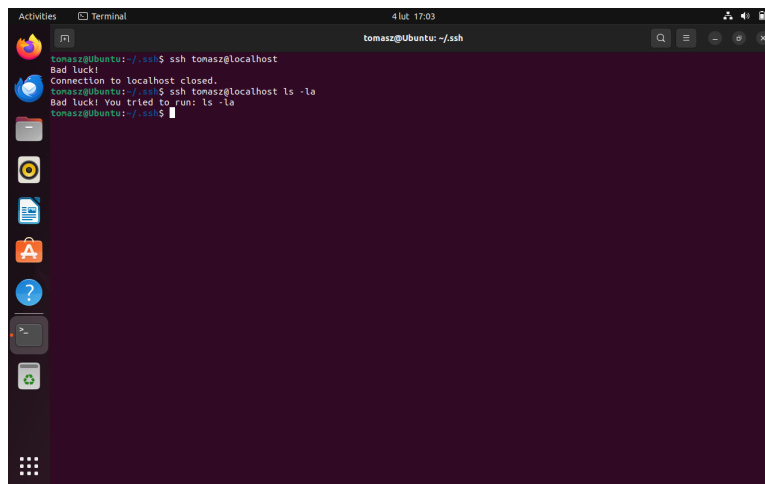
7 Answer on localhost

Figure 7: Answer on ssh connection request from localhost

8 Answer from Host machine

Via host-only adapter behaviour of ssh server for other hosts has been checked. Firstly on VM ip-address of host only adapter has been checked.
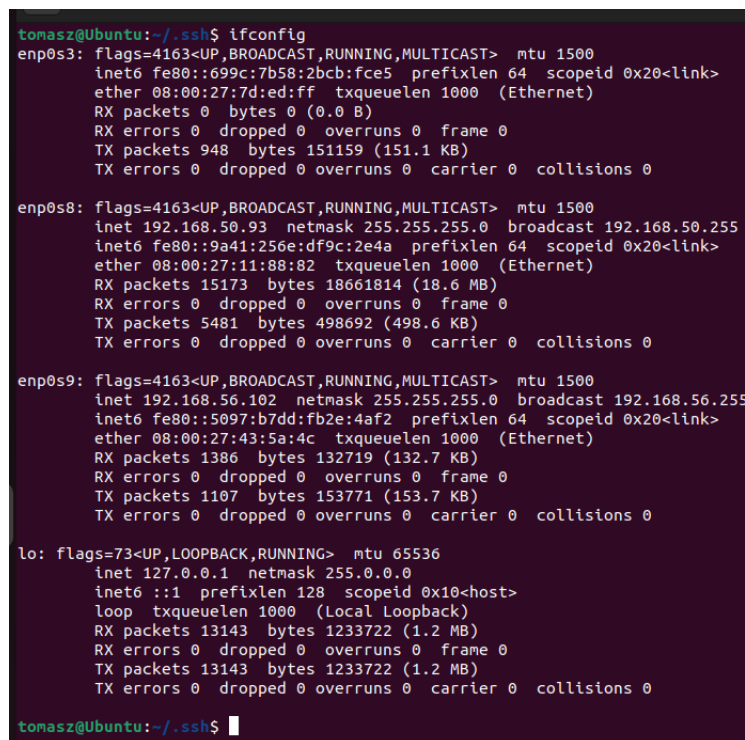

Figure 8: Check ip address of host-only adapter

Figure 9: Answer on ssh connection request from other hosts

Behaviour is standard. Test has been accomplished successfully.