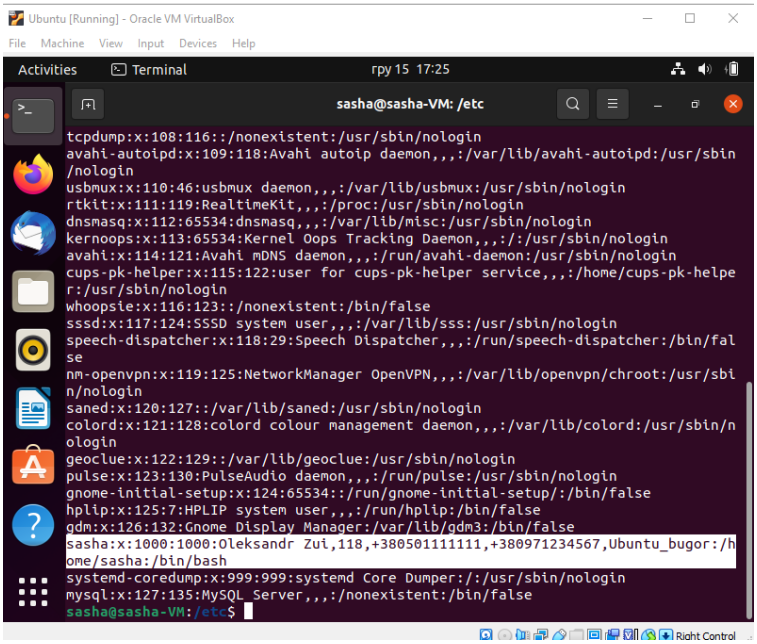
Task 5.2

1.

Cat etc



sasha:x:1000:1000:Oleksander Zui,118,+380501111111,+380971234567,Ubuntu_bugor:/home/sasha:/bin/bash

sasha – username

x – password

1000- UID

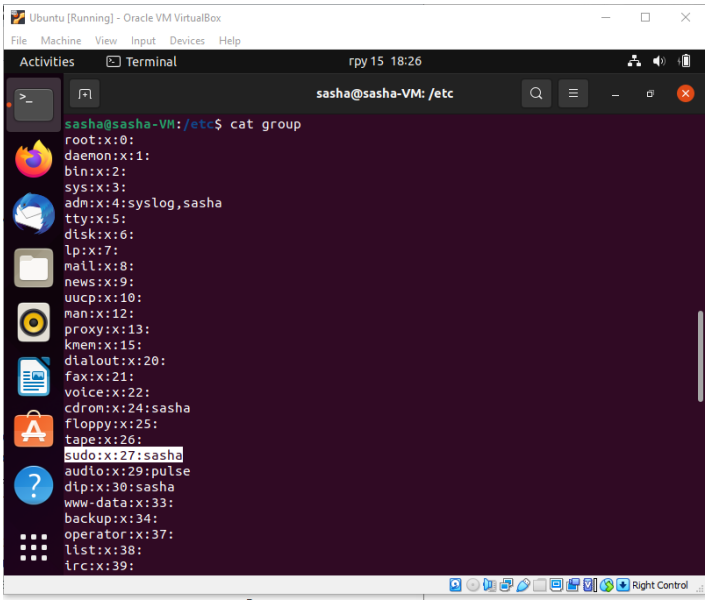
1000-GID

Oleksander Zui,118,+380501111111,+380971234567,Ubuntu_bugor – GECOS

/home/sasha – Home directory

/bin/bash – Login shell

Cat group



Sudo:x:27:sasha

Sudo - group name

X – password

27 - unique identifier for the group

Sasha - list of users included in this group, containing usernames separated by commas without spaces

Pseudo user – UID 1-999 system accounts, such as server processes.

2. A UID (user identifier) is a number assigned by Linux to each user on the system. This number is used to identify the user to the system and to determine which system resources the user can access.

-UID 0 (zero) is reserved for the root.

-UIDs 1–99 are reserved for other predefined accounts.

-UID 100–999. reserve for dynamic system allocation

-UID 1000+ are used for user accounts

3. Groups in Linux are defined by GIDs (group IDs).

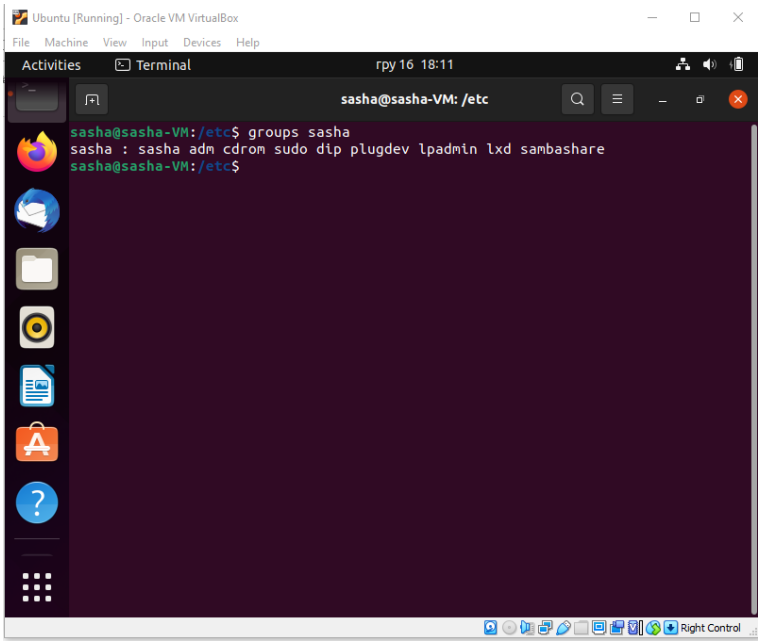
GID 0 (zero) is reserved for the root group.

GID 1–99 are reserved for the system

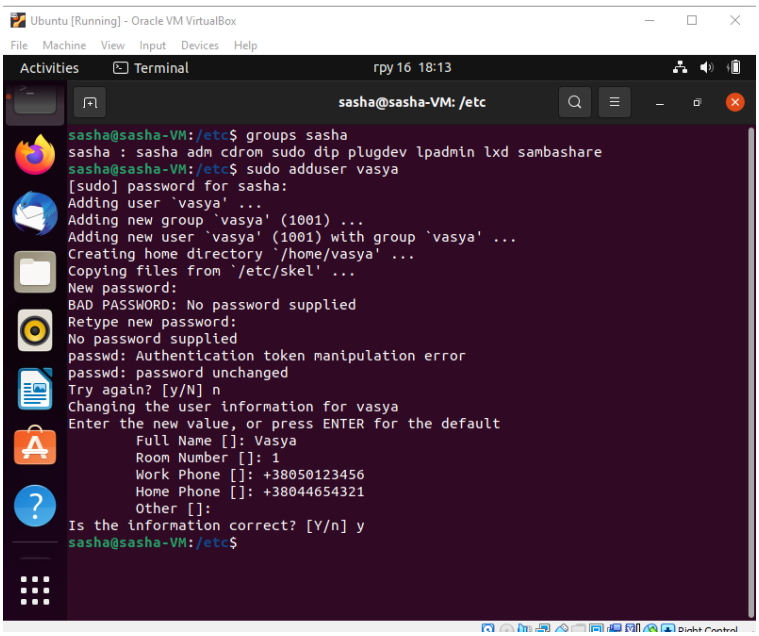
GID 100-999 - are reserved for the application use.

GID 1000+ allocated for the user's group.

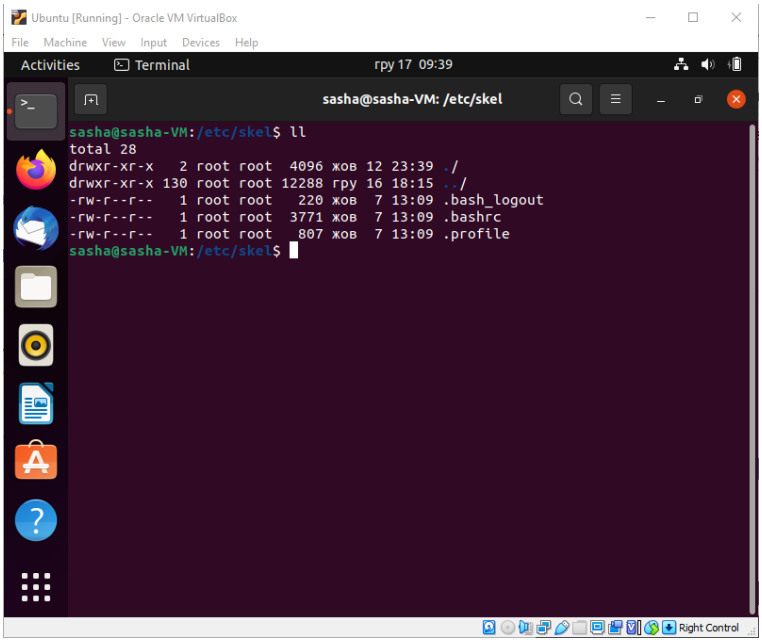
4. Groups sasha



5. Sudo adduser vasya

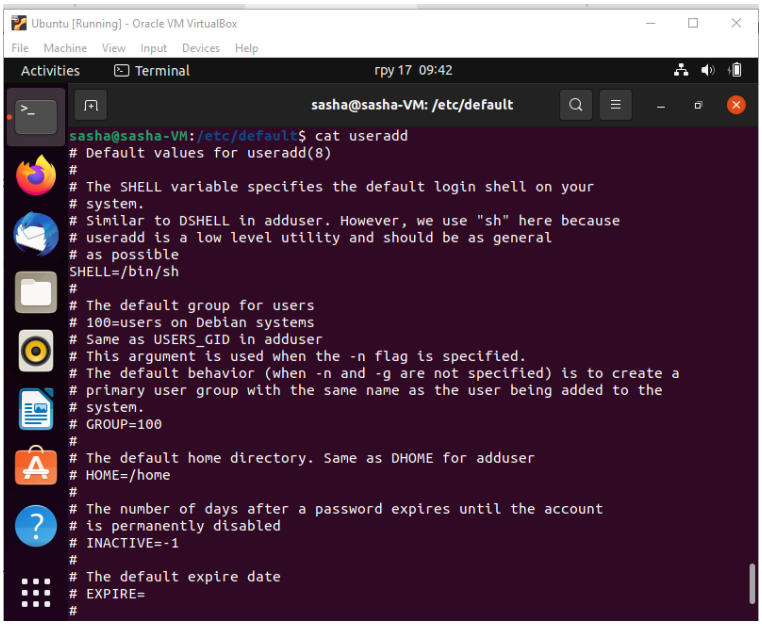


6. Sudo usermod –l vasya petya
7. Directory / etc / skel / (skel is derived from "skeleton") is used to start the home directory when a user is first created.

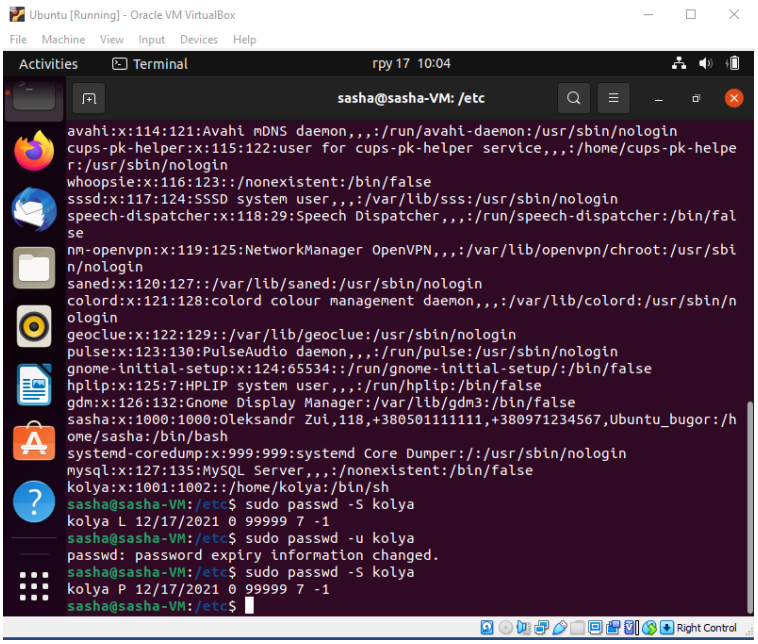


The "skeleton" directory is defined in / etc / default / useradd.

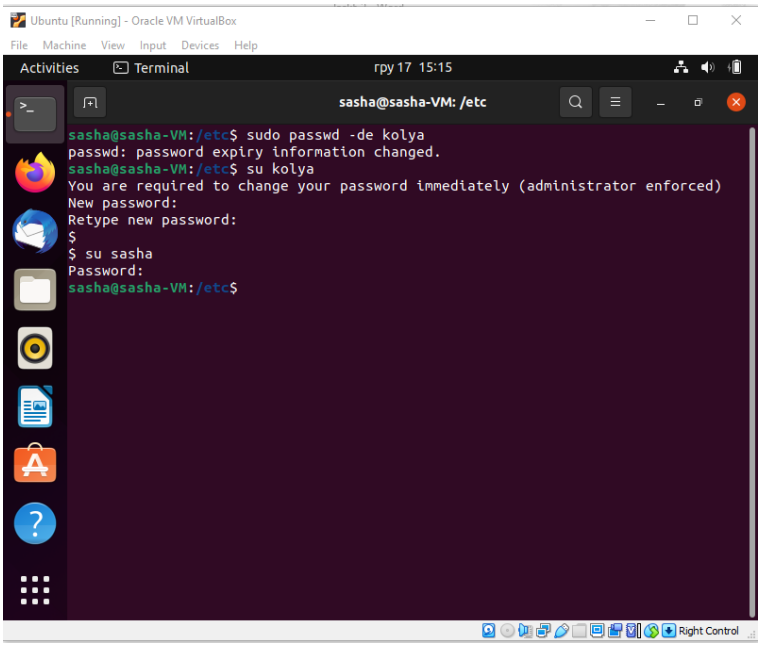
Cat useradd



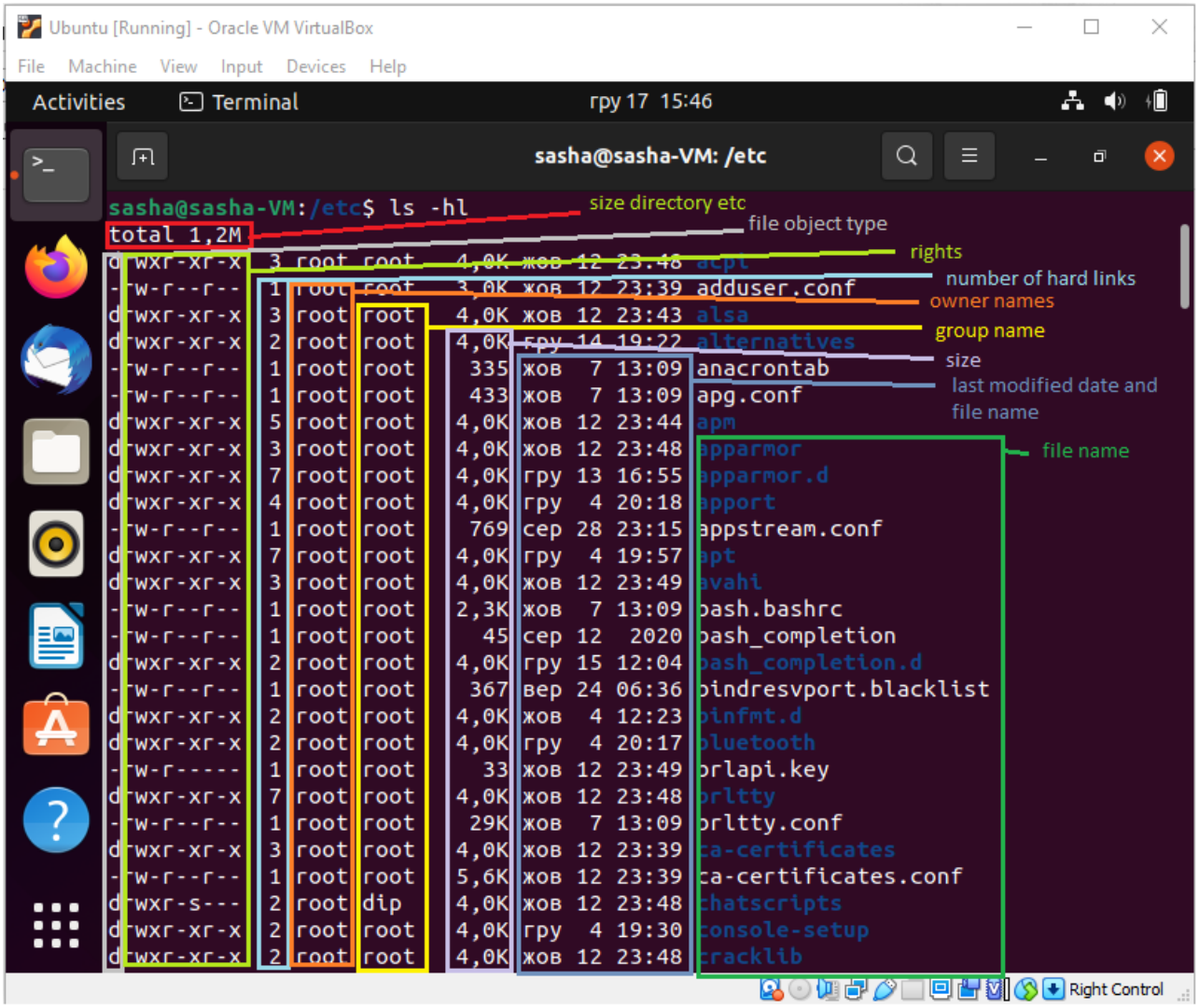
8. Sudo userdel –r petya
9. Sudo passwd –l kolya - lock user kolya
   Sudo passwd –S kolya - check user
   Sudo passwd –u kolya - unblock user



10. Sudo passwd –de kolya
    Su kolya



11. Ls –hl



12. Every file in Unix has the following attributes :

    Owner permissions − The owner's permissions determine what actions the owner of the file can perform on the file.

    Group permissions − The group's permissions determine what actions a user, who is a member of the group that a file belongs to, can perform on the file.

    Other (world) permissions − The permissions for others indicate what action all other users can perform on the file.

    Read - Grants the capability to read, i.e., view the contents of the file.

    Write - Grants the capability to modify, or remove the content of the file.

    Execute - User with execute permissions can run a file as a program.

13. The owner of the file is the user who created it.
14. Sudo chown root file.txt

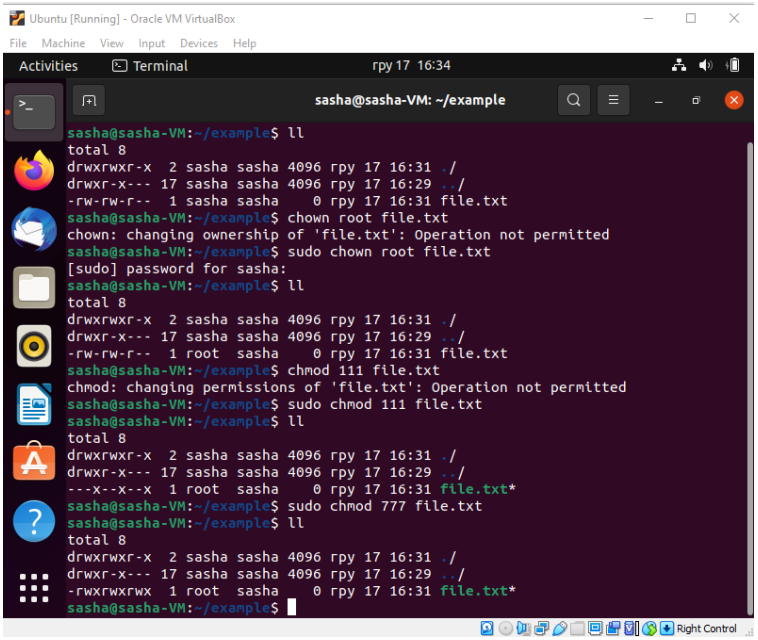
    Ll

    Sudo chmod 111 file.txt

    Ll

    Sudo chmod 777 file.txt

    ll



15. Below, we can see the translated values of the octal and how they are related

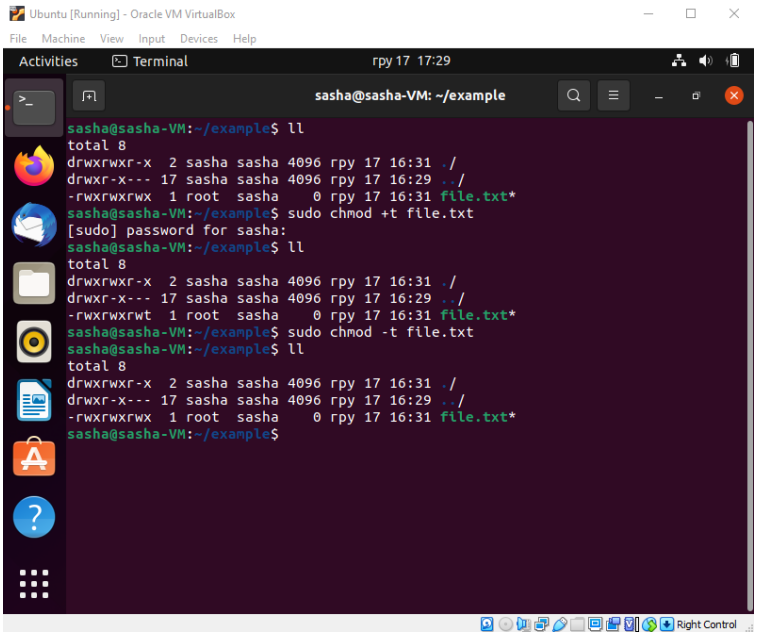
Number	**Permission**
4	read
2	write
1	execute

Read	**Write**	**Execute**	**Total Value**	**Symbolic Equivalent:**
0	0	0	**0**	
0	0	**1**	**1**	**x**
0	**2**	0	**2**	**w**
0	**2**	**1**	**3**	**wx**
4	0	0	**4**	**r**
4	0	**1**	**5**	**rx**
4	**2**	0	**6**	**rw**
4	**2**	**1**	**7**	**rwx**

16. The last special bit of resolution is the Sticky Bit. If this bit is set for a folder, then files in this folder can be deleted only by their owner.

    Sudo chmod +t file.txt add stick bit

    Sudo chmod -t file.txt remove stick bit



17. The files and directories can have following attributes:

a - append only

c - compressed

d - no dump

e - extent format

i - immutable

j - data journaling

s - secure deletion

t - no tail-merging

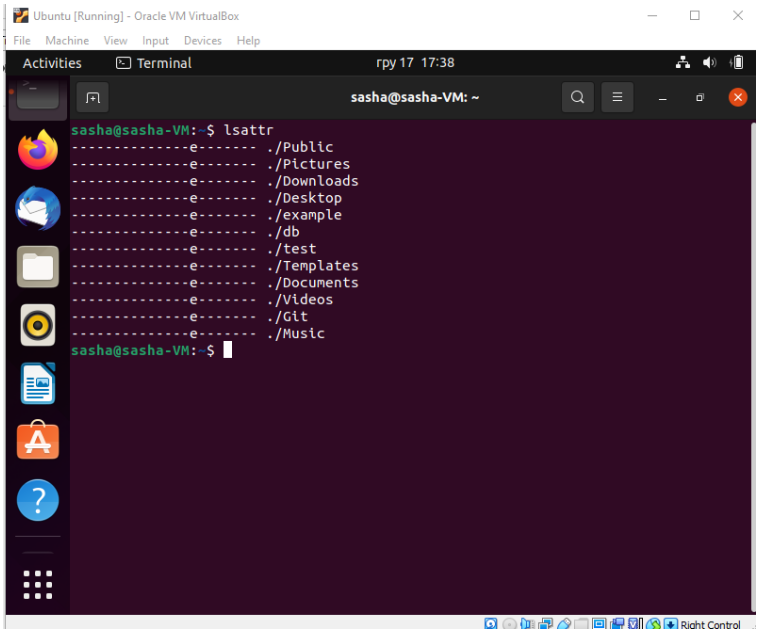
u - undeletable

A - no atime updates

D - synchronous directory updates

S - synchronous updates

T - top of directory hierarchy


Ubuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities
Terminal
rpy 17 17:38
sasha@sasha-VM: ~
sasha@sasha-VM:~$ lsattr
--------------e------- ./Public
--------------e------- ./Pictures
--------------e------- ./Downloads
--------------e------- ./Desktop
--------------e------- ./example
--------------e------- ./db
--------------e------- ./test
--------------e------- ./Templates
--------------e------- ./Documents
--------------e------- ./Videos
--------------e------- ./Git
--------------e------- ./Music
sasha@sasha-VM:~$
Right Control