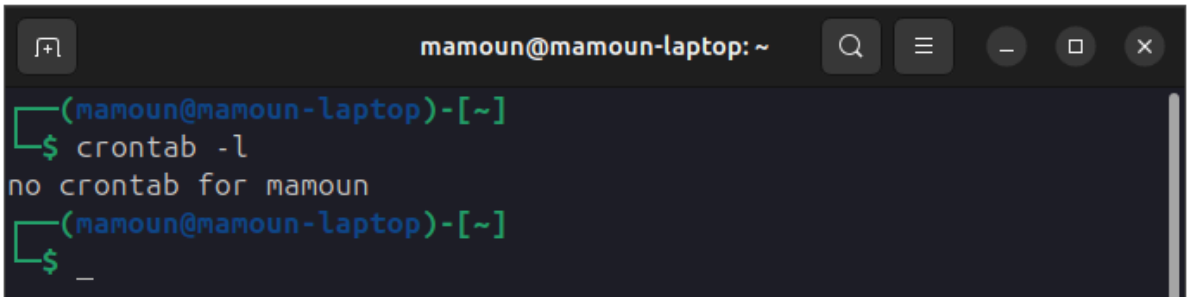
Linux Admin 2 - Lab 3

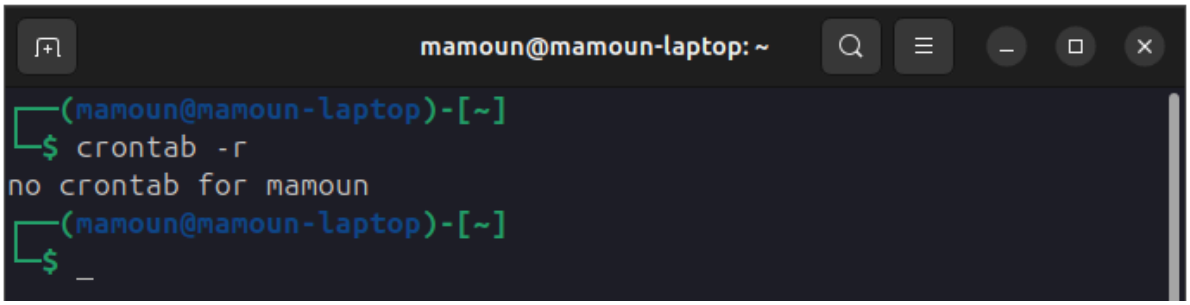
Name: Muhamad Mamoun Elsaid Hassan

1-

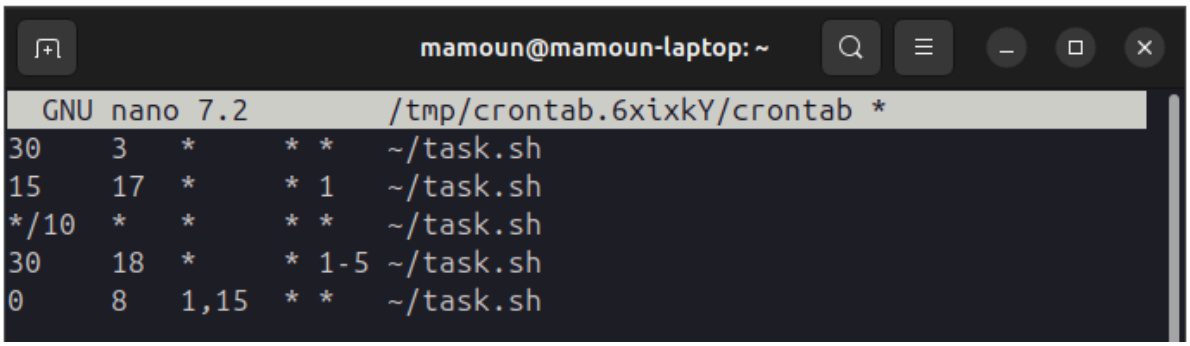
2-



3-

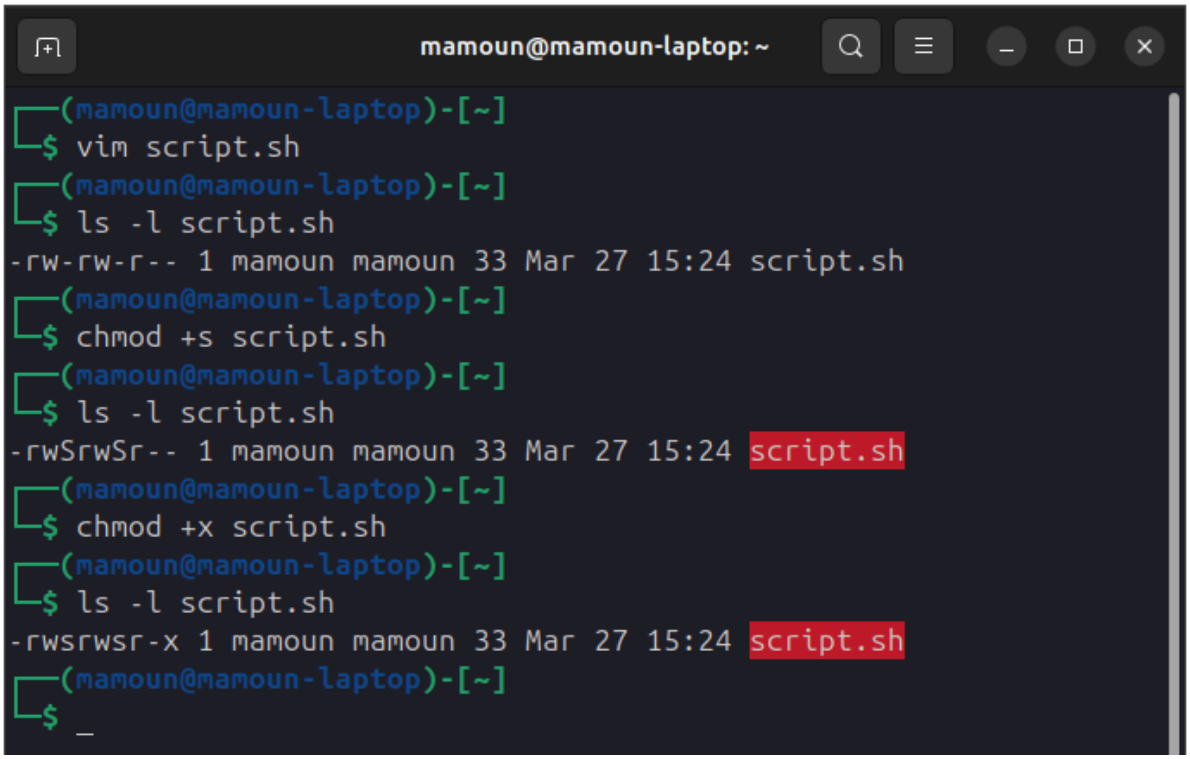


4-

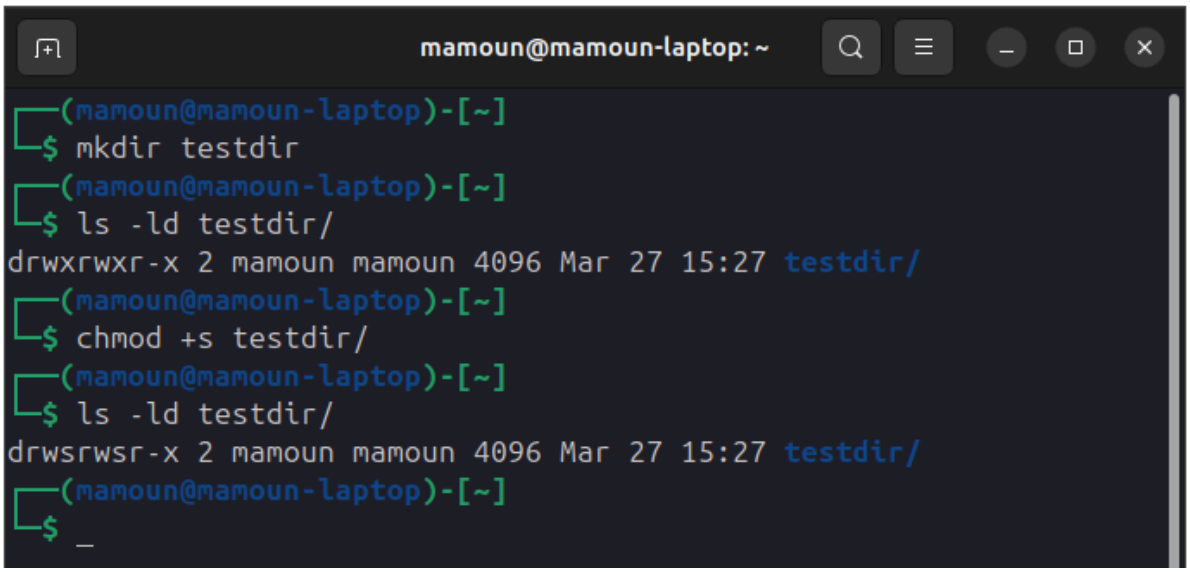


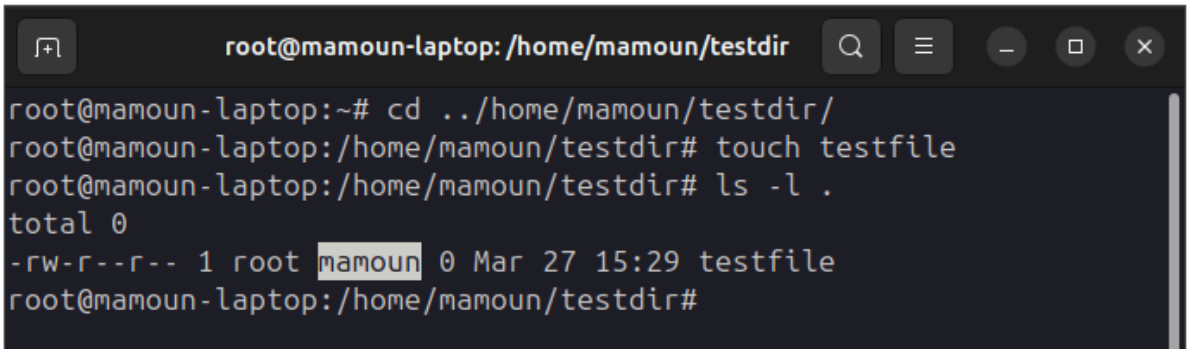
5- Add them to /etc/cron.deny file or add the allowed users to /etc/cron.allow

6-



7-


mamoun@mamoun-laptop: ~
┌──(mamoun@mamoun-laptop)-[~]
└─$ mkdir testdir
┌──(mamoun@mamoun-laptop)-[~]
└─$ ls -ld testdir/
drwxrwxr-x 2 mamoun mamoun 4096 Mar 27 15:27 testdir/
┌──(mamoun@mamoun-laptop)-[~]
└─$ chmod +s testdir/
┌──(mamoun@mamoun-laptop)-[~]
└─$ ls -ld testdir/
drwsrwsr-x 2 mamoun mamoun 4096 Mar 27 15:27 testdir/
┌──(mamoun@mamoun-laptop)-[~]
└─$ _


root@mamoun-laptop: /home/mamoun/testdir
root@mamoun-laptop:~# cd ../home/mamoun/testdir/
root@mamoun-laptop:/home/mamoun/testdir# touch testfile
root@mamoun-laptop:/home/mamoun/testdir# ls -l .
total 0
-rw-r--r-- 1 root mamoun 0 Mar 27 15:29 testfile
root@mamoun-laptop:/home/mamoun/testdir#

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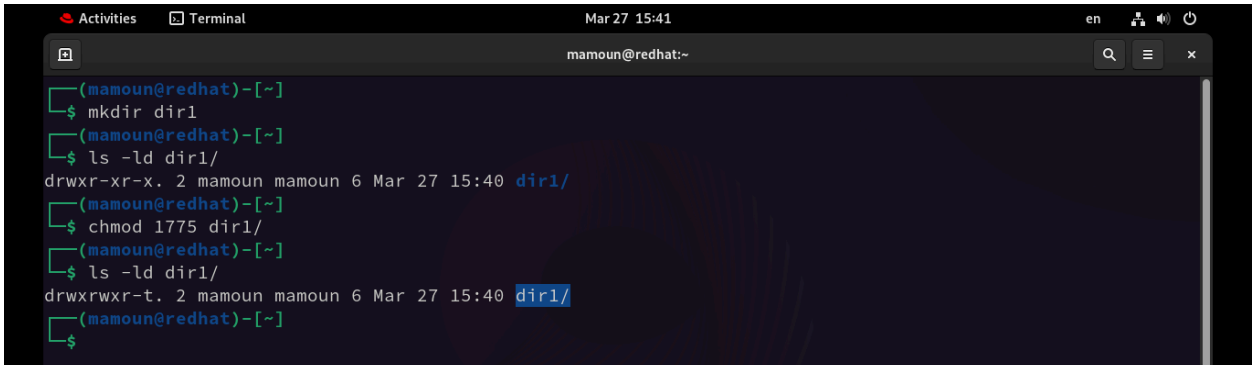
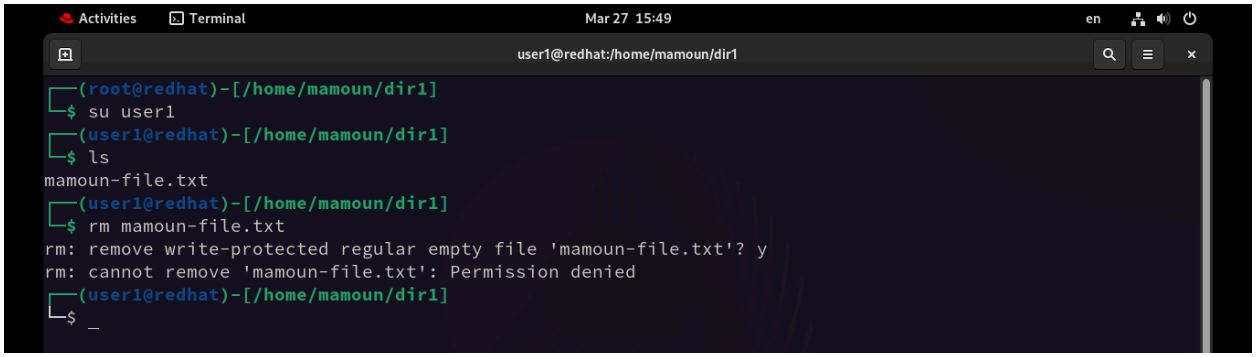

Activities
Terminal
Mar 27 15:41
en
mamoun@redhat:~
(mamoun@redhat)-[~]
$ mkdir dir1
(mamoun@redhat)-[~]
$ ls -ld dir1/
drwxr-xr-x. 2 mamoun mamoun 6 Mar 27 15:40 dir1/
(mamoun@redhat)-[~]
$ chmod 1775 dir1/
(mamoun@redhat)-[~]
$ ls -ld dir1/
drwxrwxr-t. 2 mamoun mamoun 6 Mar 27 15:40 dir1/
(mamoun@redhat)-[~]
$


Activities
Terminal
Mar 27 15:49
en
user1@redhat:/home/mamoun/dir1
(root@redhat)-[/home/mamoun/dir1]
$ su user1
(user1@redhat)-[/home/mamoun/dir1]
$ ls
mamoun-file.txt
(user1@redhat)-[/home/mamoun/dir1]
$ rm mamoun-file.txt
rm: remove write-protected regular empty file 'mamoun-file.txt'? y
rm: cannot remove 'mamoun-file.txt': Permission denied
(user1@redhat)-[/home/mamoun/dir1]
$ _

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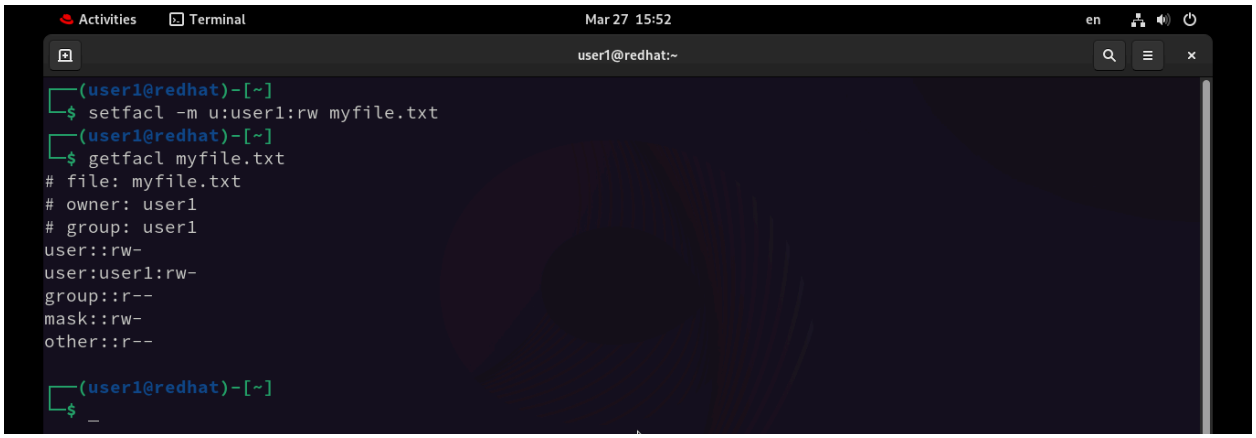
Activities
Terminal
Mar 27 15:52
en
user1@redhat:~
(user1@redhat)-[~]
$ setfacl -m u:user1:rw myfile.txt
(user1@redhat)-[~]
$ getfacl myfile.txt
# file: myfile.txt
# owner: user1
# group: user1
user::rw-
user:user1:rw-
group::r--
mask::rw-
other::r--
(user1@redhat)-[~]
$ _

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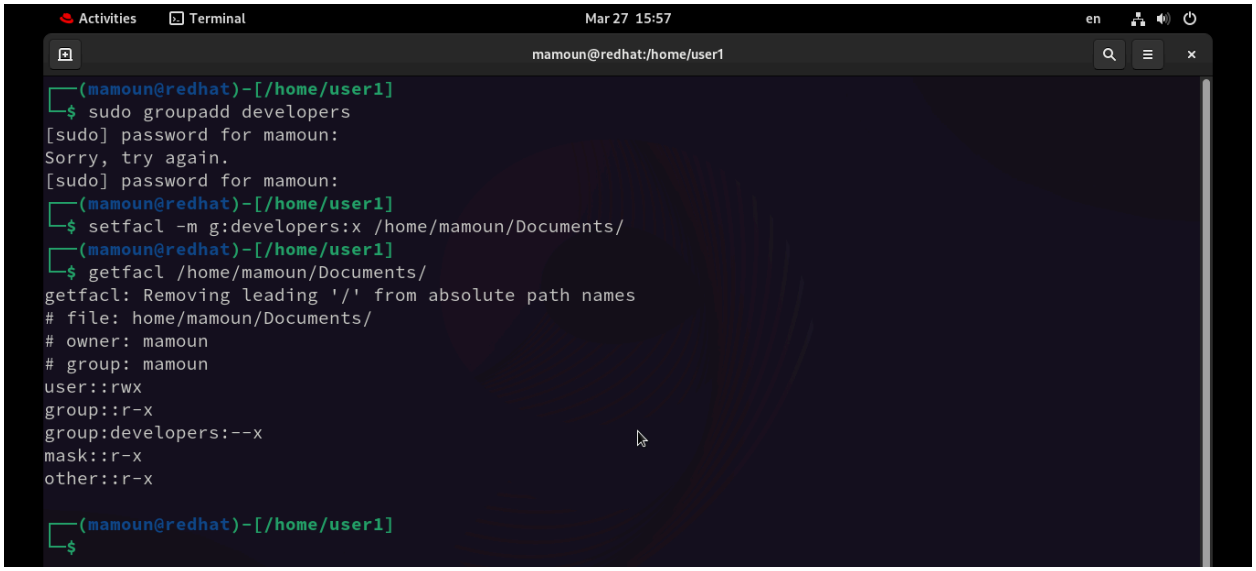
Activities
Terminal
Mar 27 15:57
en
mamoun@redhat:/home/user1
┌──(mamoun@redhat)-[/home/user1]
└─$ sudo groupadd developers
[sudo] password for mamoun:
Sorry, try again.
[sudo] password for mamoun:
┌──(mamoun@redhat)-[/home/user1]
└─$ setfacl -m g:developers:x /home/mamoun/Documents/
┌──(mamoun@redhat)-[/home/user1]
└─$ getfacl /home/mamoun/Documents/
getfacl: Removing leading '/' from absolute path names
file: home/mamoun/Documents/
owner: mamoun
group: mamoun
user::rwx
group::r-x
group:developers:--x
mask::r-x
other::r-x
┌──(mamoun@redhat)-[/home/user1]
└─$

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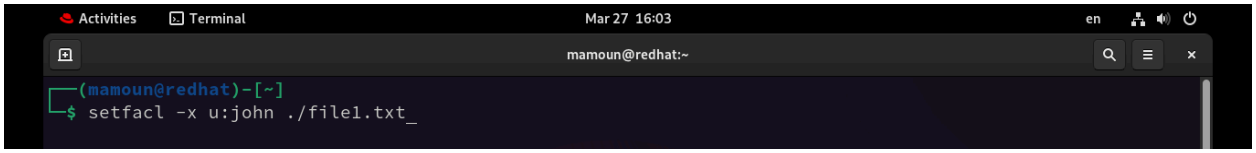
Activities
Terminal
Mar 27 16:03
en
mamoun@redhat:~
┌──(mamoun@redhat)-[~]
└─$ setfacl -x u:john ./file1.txt_

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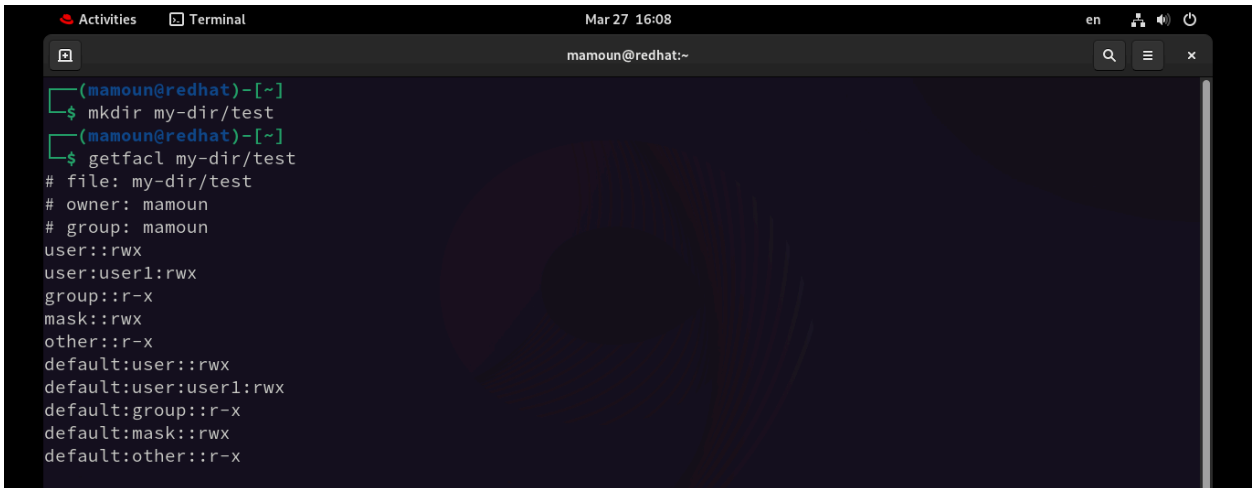
Activities
Terminal
Mar 27 16:07
en
mamoun@redhat:~
(mamoun@redhat)-[~]
$ ls -ld my-dir/
drwxr-xr-x. 2 mamoun mamoun 6 Mar 27 16:06 my-dir/
(mamoun@redhat)-[~]
$ setfacl -m d:u:user1:rwx my-dir/
(mamoun@redhat)-[~]
$ getfacl my-dir/
# file: my-dir/
# owner: mamoun
# group: mamoun
user::rwx
group::r-x
other::r-x
default:user::rwx
default:user:user1:rwx
default:group::r-x
default:mask::rwx
default:other::r-x


Activities
Terminal
Mar 27 16:08
en
mamoun@redhat:~
(mamoun@redhat)-[~]
$ mkdir my-dir/test
(mamoun@redhat)-[~]
$ getfacl my-dir/test
# file: my-dir/test
# owner: mamoun
# group: mamoun
user::rwx
user:user1:rwx
group::r-x
mask::rwx
other::r-x
default:user::rwx
default:user:user1:rwx
default:group::r-x
default:mask::rwx
default:other::r-x

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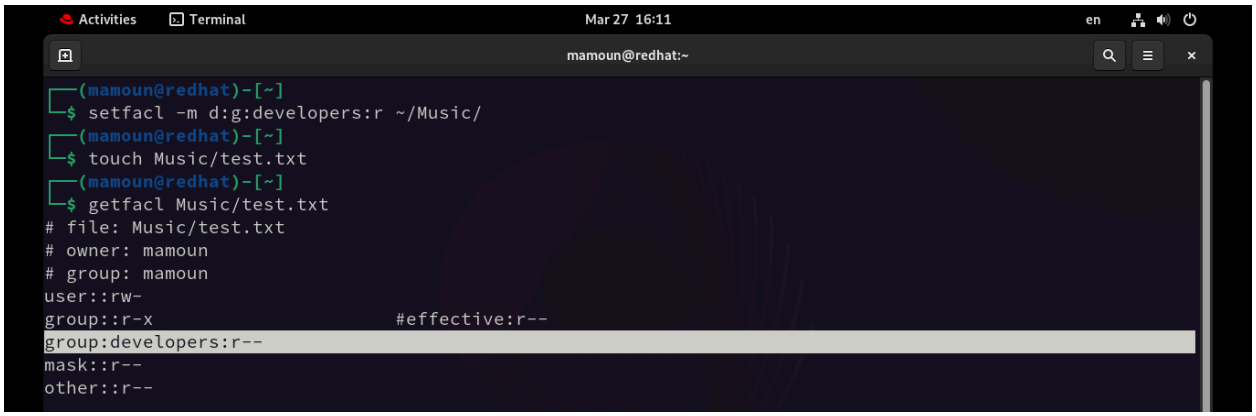
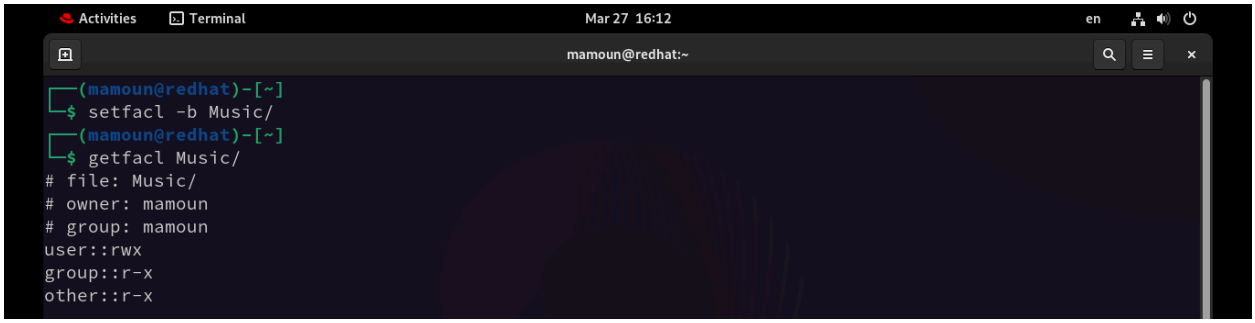

Activities
Terminal
Mar 27 16:11
en
mamoun@redhat:~
(mamoun@redhat)-[~]
$ setfacl -m d:g:developers:r ~/Music/
(mamoun@redhat)-[~]
$ touch Music/test.txt
(mamoun@redhat)-[~]
$ getfacl Music/test.txt
# file: Music/test.txt
# owner: mamoun
# group: mamoun
user::rw-
group::r-x #effective:r--
group:developers:r--
mask::r--
other::r--

15-


Activities
Terminal
Mar 27 16:12
en
mamoun@redhat:~
(mamoun@redhat)-[~]
$ setfacl -b Music/
(mamoun@redhat)-[~]
$ getfacl Music/
# file: Music/
# owner: mamoun
# group: mamoun
user::rwx
group::r-x
other::r-x

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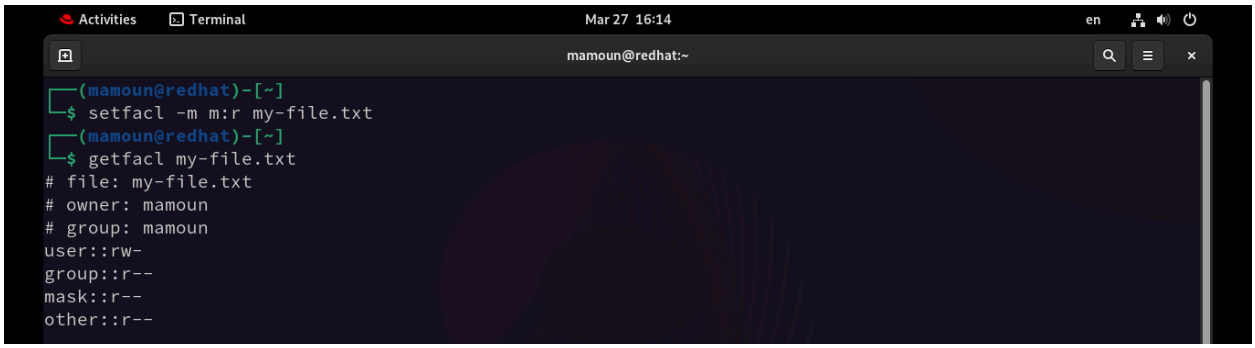
Activities
Terminal
Mar 27 16:14
en
mamoun@redhat:~
(mamoun@redhat)-[~]
$ setfacl -m m:r my-file.txt
(mamoun@redhat)-[~]
$ getfacl my-file.txt
# file: my-file.txt
# owner: mamoun
# group: mamoun
user::rw-
group::r--
mask::r--
other::r--

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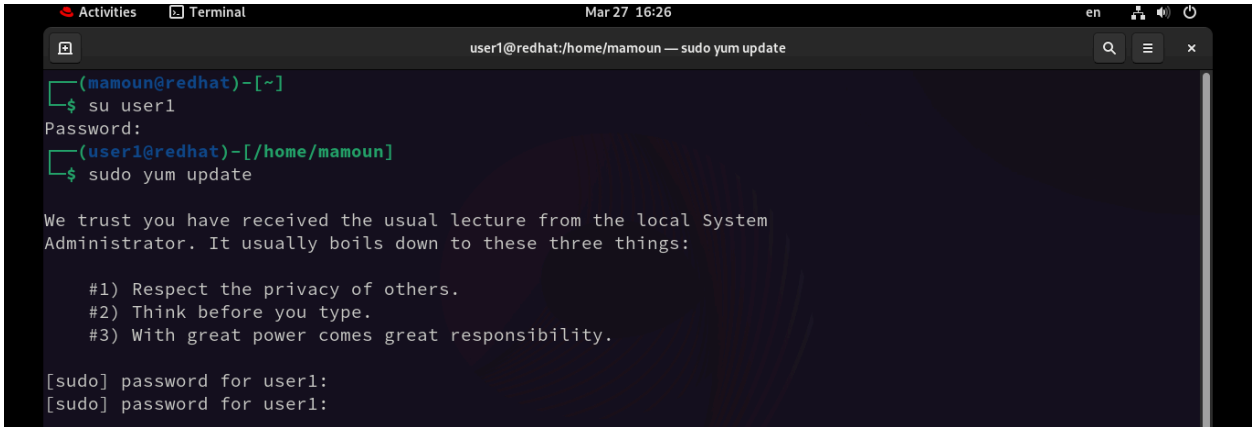
Activities
Terminal
Mar 27 16:26
en
user1@redhat:/home/mamoun — sudo yum update
(mamoun@redhat)-[~]
$ su user1
Password:
(user1@redhat)-[/home/mamoun]
$ sudo yum update
We trust you have received the usual lecture from the local System
Administrator. It usually boils down to these three things:
#1) Respect the privacy of others.
#2) Think before you type.
#3) With great power comes great responsibility.
[sudo] password for user1:
[sudo] password for user1:

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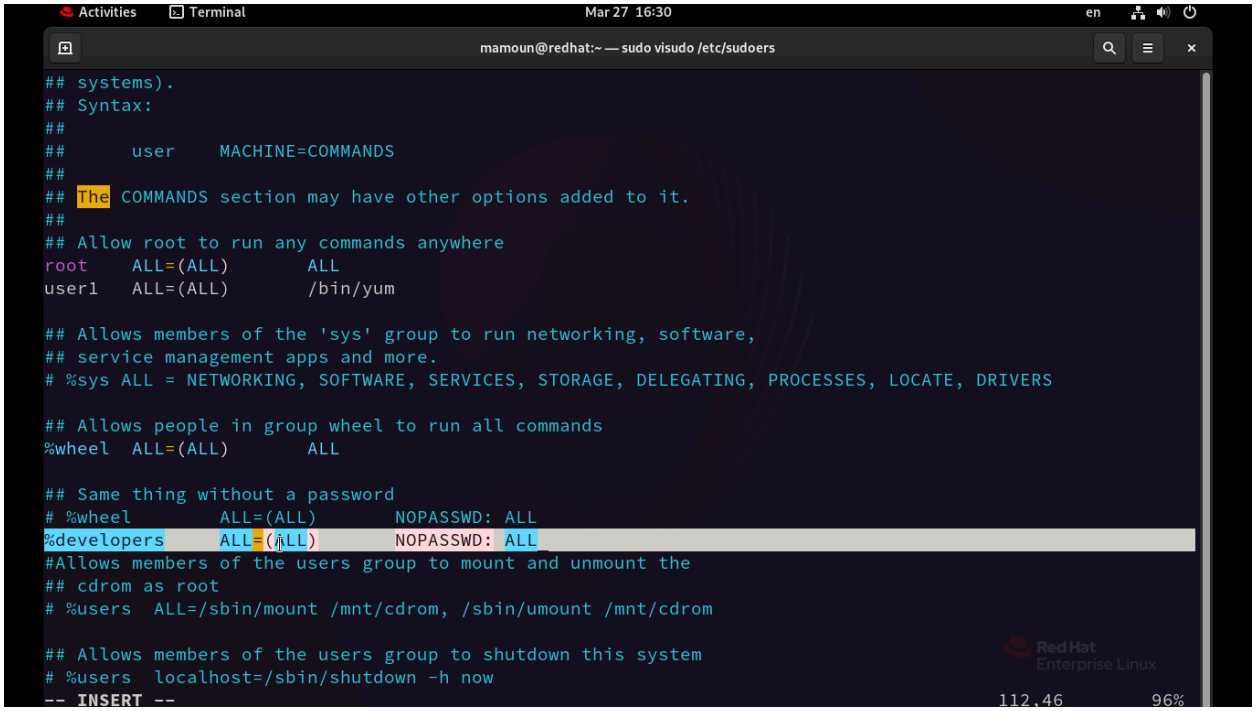
Activities
Terminal
Mar 27 16:30
en
mamoun@redhat:~ — sudo visudo /etc/sudoers
systems).
Syntax:
##
user   MACHINE=COMMANDS
##
The COMMANDS section may have other options added to it.
##
Allow root to run any commands anywhere
root   ALL=(ALL)   ALL
user1   ALL=(ALL)   /bin/yum
Allows members of the 'sys' group to run networking, software,
service management apps and more.
%sys ALL = NETWORKING, SOFTWARE, SERVICES, STORAGE, DELEGATING, PROCESSES, LOCATE, DRIVERS
Allows people in group wheel to run all commands
%wheel ALL=(ALL)   ALL
Same thing without a password
%wheel   ALL=(ALL)   NOPASSWD: ALL
%developers   ALL=(ALL)   NOPASSWD: ALL
#Allows members of the users group to mount and unmount the
cdrom as root
%users ALL=/sbin/mount /mnt/cdrom, /sbin/umount /mnt/cdrom
Allows members of the users group to shutdown this system
%users localhost=/sbin/shutdown -h now
-- INSERT --
112,46
96%