

Name : Madhavi Suratkar

Topic : Linux Command

Date : 17-04-2023

Change Owner

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help
(kali@kali)~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
(kali@kali)~$ cd Desktop
(kali@kali)~/Desktop$ cd Madhavi
(kali@kali)~/Desktop/Madhavi$ ls
command_args.sh Desktop f2.txt f3.tar f6.txt file2.txt file3.txt filecount.sh linux path.sh space.sh test2.sh test.sh
(kali@kali)~/Desktop/Madhavi$ ls -l file2.txt
-rwxrwxrwx 1 kali kali 31 Apr 12 04:44 file2.txt
(kali@kali)~/Desktop/Madhavi$ ./file2.txt
./file2.txt: 1: mango: not found
./file2.txt: 2: apple: not found
./file2.txt: 3: orange: not found
./file2.txt: 4: kiwi: not found
./file2.txt: 5: banana: not found
(kali@kali)~/Desktop/Madhavi$ chown root file2.txt
chown: changing ownership of 'file2.txt': Operation not permitted
(kali@kali)~/Desktop/Madhavi$ chown kali file2.txt
(kali@kali)~/Desktop/Madhavi$ chown madhavi file2.txt
chown: invalid user: 'madhavi'
(kali@kali)~/Desktop/Madhavi$
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help
./file2.txt: 4: kiwi: not found
./file2.txt: 5: banana: not found
(kali@kali)~/Desktop/Madhavi$ chown root file2.txt
chown: changing ownership of 'file2.txt': Operation not permitted
(kali@kali)~/Desktop/Madhavi$ chown kali file2.txt
(kali@kali)~/Desktop/Madhavi$ chown madhavi file2.txt
chown: invalid user: 'madhavi'
(kali@kali)~/Desktop/Madhavi$ sudo adduser madhavi
[sudo] password for kali:
Adding user 'madhavi' ...
Adding new group 'madhavi' (1001) ...
Adding new user 'madhavi' (1001) with group 'madhavi (1001)' ...
Creating home directory '/home/madhavi' ...
Copying files from '/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for madhavi
Enter the new value, or press ENTER for the default
  Full Name []: madhavi
    Room Number []: 1
    Work Phone []: 9111111
    Home Phone []:
      Other []:
Is the information correct? [Y/n] y
Adding new user 'madhavi' to supplemental / extra groups 'users' ...
Adding user 'madhavi' to group 'users' ...
(kali@kali)~/Desktop/Madhavi$
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help

(kali@kali)-[~]
$ cd Desktop
(kali@kali)-[~/Desktop]
$ cd Madhavi
(kali@kali)-[~/Desktop/Madhavi]
$ ls
command_args.sh  Desktop  f2.txt  f3.tar  f6.txt  file1.txt  file2.txt  file3.txt  filecount.sh  linux  path.sh  space.sh  test2.sh  test.sh
(kali@kali)-[~/Desktop/Madhavi]
$ chown madhavi file1.txt
chown: changing ownership of 'file1.txt': Operation not permitted
(kali@kali)-[~/Desktop/Madhavi]
$ ls -l file2.sh
ls: cannot access 'file2.sh': No such file or directory
(kali@kali)-[~/Desktop/Madhavi]
$ ls -l file1.txt
-rw-r--r-- 1 kali kali 29 Apr 17 01:59 file1.txt
(kali@kali)-[~/Desktop/Madhavi]
$ sudo chown madhavi file1.txt
[sudo] password for kali:
(kali@kali)-[~/Desktop/Madhavi]
$ ls -l file1.txt
-rw-r--r-- 1 madhavi kali 29 Apr 17 01:59 file1.txt
(kali@kali)-[~/Desktop/Madhavi]
$
```

```
kali@kali: ~/Desktop/Madhavi/test
File Actions Edit View Help

(kali@kali)-[~]
$ cd Desktop
(kali@kali)-[~/Desktop]
$ cd Madhavi
(kali@kali)-[~/Desktop/Madhavi]
$ ls
command_args.sh  demo  Desktop  f2.txt  f3.tar  f6.txt  file2.txt  file3.txt  filecount.sh  linux  path.sh  space.sh  test  test2.sh  test.sh  yash
$ mv file2.txt file3.txt test
(kali@kali)-[~/Desktop/Madhavi]
$ ls
command_args.sh  demo  Desktop  f2.txt  f3.tar  f6.txt  filecount.sh  linux  path.sh  space.sh  test  test2.sh  test.sh  yash
$ cd test
(kali@kali)-[~/Desktop/Madhavi/test]
$ ls
file1.txt  file2.txt  file3.txt
(kali@kali)-[~/Desktop/Madhavi/test]
$
```

Tar Command

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help

(kali@kali)-[~]
$ cd Desktop
(kali@kali)-[~/Desktop]
$ cd Madhavi
(kali@kali)-[~/Desktop/Madhavi]
$ ls
command_args.sh  demo  Desktop  f2.txt  f3.tar  f6.txt  filecount.sh  linux  path.sh  space.sh  test  test2.sh  test.sh  yash
(kali@kali)-[~/Desktop/Madhavi]
$ tar -cvf zipped.tar test
test/
test/file3.txt
test/zipped.tar
test/file1.txt
test/file2.txt
(kali@kali)-[~/Desktop/Madhavi]
$ tar -cvf zipped.tar *
command_args.sh
demo/
Desktop
f2.txt
f3.tar
f6.txt
filecount.sh
linux/
path.sh
space.sh
test/
test/file3.txt
test/zipped.tar
test/file1.txt
```

```
File Actions Edit View Help
tar: zipped.tar: file is the archive; not dumped

(kali@kali)-[~/Desktop/Madhavi]
└─$ ls
command_args.sh demo Desktop f2.txt f3.tar f6.txt filecount.sh linux path.sh space.sh test test2.sh test.sh yash zipped.tar

(kali@kali)-[~/Desktop/Madhavi]
└─$ cat zipped.tar
command_args.sh0000755000175000017500000000026014415554363012501 0ustar  kalikali#!/bin/bash

for dir in "$@"; do
    if [ -d "$dir" ]; then
        echo "Contents of $dir:"
        ls "$dir"
        echo ""
    else
        echo "Error: $dir is not a directory"
    fi
done

demo/00007550001750000175000000000001441717172010431 5ustar  kalikaliDesktop000064400017500001750000000002614415465476011052 0ustar  kalikaliInfobell IT S
olutions
f2.txt000064400017500001750000000000014416014624010540 0ustar  kalikalif3.tar00006440001750000175000000000114416015572010515 0ustar  kalikaliInfobell
f6.txt0000644000175000017500000000002114416035406010550 0ustar  kalikaliMadhavi Suratkar
filecount.sh0000755000175000017500000000016014415562404012031 0ustar  kalikali#!/bin/bash

function file_count(){
    local Number_of_files=$(ls | wc -l)
    echo "$Number_of_files"
}

file_count
```

```
File Actions Edit View Help
apple
orange
kiwi
banana
test/zipped.tar0000644000175000017500000002400014417200041012447 0ustar  kalikalitest/file1.txt000064400017510001750000000003514417160127012713 0ustar  madh
avikaliInfobell IT Solution pvt ltd
test/file2.txt0000777000175000017500000000003714415467612012242 0ustar  kalikalimango
apple
orange
kiwi
banana
test2.sh0000644000175000017500000000020014415545412011072 0ustar  kalikali#!/bin/bash
echo "Enter a number"
read n
for((i=1; i<=n; i++))
do
    for((j=1; j<=i; j++))
    do
        echo -ne $j " "
    done
    echo
done

test.sh0000755000175000017500000000022714415540434011023 0ustar  kalikaliif [num<-2]; then you are able to hear"
then
    echo "$num is a negative number"
else
    etest.sh: line 4: 0]: No such file or directory
    cho "$num is a positive number"
fi

yash/000075500017500001750000000000014417173703010453 5ustar  kalikali

(kali@kali)-[~/Desktop/Madhavi]
└─$
```

```
kali@kali: ~/Desktop/Madhavi
(kali@kali)-[~]
└─$ cd Desktop
(kali@kali)-[~/Desktop]
└─$ cd Madhavi
(kali@kali)-[~/Desktop/Madhavi]
└─$ ls
command_args.sh  demo  Desktop  f2.txt  f3.tar  f6.txt  filecount.sh  linux  path.sh  space.sh  test  test2.sh  test.sh  yash  zipped.tar
(kali@kali)-[~/Desktop/Madhavi]
└─$ tar -xvf zipped.tar
command_args.sh
demo/
Desktop/
f2.txt
f3.tar
f6.txt
filecount.sh
linux/
path.sh
space.sh
test/
test/file3.txt
test/zipped.tar
test/file1.txt
test/file2.txt
test2.sh
test.sh
yash/
(kali@kali)-[~/Desktop/Madhavi]
└─$
```

```
kali@kali: ~/Desktop/Madhavi
(kali@kali)-[~/Desktop/Madhavi]
└─$ tar -xvf zipped.tar
command_args.sh
demo/
Desktop/
f2.txt
f3.tar
f6.txt
filecount.sh
linux/
path.sh
space.sh
test/
test/file3.txt
test/zipped.tar
test/file1.txt
test/file2.txt
test2.sh
test.sh
yash/
(kali@kali)-[~/Desktop/Madhavi]
└─$ cd test
(kali@kali)-[~/Desktop/Madhavi/test]
└─$ ls
file1.txt  file2.txt  file3.txt  zipped.tar
(kali@kali)-[~/Desktop/Madhavi/test]
└─$ tar -xvf zipped.tar file3.txt
tar: file3.txt: Not found in archive
tar: Exiting with failure status due to previous errors
(kali@kali)-[~/Desktop/Madhavi/test]
└─$
```

```
kali@kali: ~/Desktop/Madhavi
test2.sh
test.sh
yash/
(kali@kali)-[~/Desktop/Madhavi]
└─$ cd test
(kali@kali)-[~/Desktop/Madhavi/test]
└─$ ls
file1.txt  file2.txt  file3.txt  zipped.tar
(kali@kali)-[~/Desktop/Madhavi/test]
└─$ tar -xvf zipped.tar file3.txt
tar: file3.txt: Not found in archive
tar: Exiting with failure status due to previous errors
(kali@kali)-[~/Desktop/Madhavi/test]
└─$ tar -tvf zipped.tar
(kali@kali)-[~/Desktop/Madhavi/test]
└─$ tar -tvf zipped.tar
(kali@kali)-[~/Desktop/Madhavi/test]
└─$ tar -czvf zipped.tar.gz *
file1.txt
file2.txt
file3.txt
zipped.tar
(kali@kali)-[~/Desktop/Madhavi/test]
└─$ ls
file1.txt  file2.txt  file3.txt  zipped.tar  zipped.tar.gz
(kali@kali)-[~/Desktop/Madhavi/test]
└─$
```

htop Command

```
(kali@kali)-[~]
└─$ man iostat
(kali@kali)-[~]
└─$ iostat --human
Linux 6.1.0-kali5-amd64 (kali) 04/17/2023 _x86_64_ (3 CPU)

avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           0.9%    0.0%    1.6%    0.1%    0.0%   97.4%

Device            tps    kB_read/s    kB_wrtn/s    kB_dscd/s    kB_read    kB_wrtn    kB_dscd
sda                  5.25       161.7k       17.8k         0.0k      384.1M      42.3M       0.0k

(kali@kali)-[~]
└─$ iostat --pretty
Linux 6.1.0-kali5-amd64 (kali) 04/17/2023 _x86_64_ (3 CPU)

avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           0.88    0.00    1.59    0.10    0.00   97.42

           tps    kB_read/s    kB_wrtn/s    kB_dscd/s    kB_read    kB_wrtn    kB_dscd Device
           5.23    161.15       17.77         0.00      393282    43370         0 sda

(kali@kali)-[~]
└─$ htop
(kali@kali)-[~]
└─$
```

```
(kali@kali)-[~]
└─$ iostat -x
Linux 6.1.0-kali5-amd64 (kali) 04/17/2023 _x86_64_ (3 CPU)

avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           0.91    0.00    1.61    0.10    0.00   97.38

Device            r/s    kB/s    rrqm/s    %rrqm r_await rareq-sz    w/s    kB/s    wrqm/s    %wrqm w_await wareq-sz    d/s    dB/s    drqm/s    %drqm d_await
dareq-sz          f/s f_await aqu-sz %util
sda                3.78   155.37    2.20   36.86    1.36   41.15    1.31   17.89    1.21  47.98    2.32   13.63    0.00    0.00    0.00    0.00    0.00
           0.00    0.43    1.63    0.01    0.78

(kali@kali)-[~]
└─$ iostat -c
Linux 6.1.0-kali5-amd64 (kali) 04/17/2023 _x86_64_ (3 CPU)

avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           0.91    0.00    1.60    0.10    0.00   97.38

(kali@kali)-[~]
└─$ iostat -d
Linux 6.1.0-kali5-amd64 (kali) 04/17/2023 _x86_64_ (3 CPU)

Device            tps    kB_read/s    kB_wrtn/s    kB_dscd/s    kB_read    kB_wrtn    kB_dscd
sda                  5.06       154.06       17.87         0.00      393778    45670         0

(kali@kali)-[~]
└─$
```

```
(kali@kali)-[~]
└─$ iostat -xd
Linux 6.1.0-kali5-amd64 (kali) 04/17/2023 _x86_64_ (3 CPU)

Device            r/s    kB/s    rrqm/s    %rrqm r_await rareq-sz    w/s    kB/s    wrqm/s    %wrqm w_await wareq-sz    d/s    dB/s    drqm/s    %drqm d_await
dareq-sz          f/s f_await aqu-sz %util
sda                3.78   152.15    2.16   36.86    1.36   41.15    1.31   17.76    1.21  47.97    2.32   13.52    0.00    0.00    0.00    0.00    0.00
           0.00    0.43    1.63    0.01    0.77

(kali@kali)-[~]
└─$ iostat -k
Linux 6.1.0-kali5-amd64 (kali) 04/17/2023 _x86_64_ (3 CPU)

avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           0.93    0.00    1.61    0.10    0.00   97.36

Device            tps    kB_read/s    kB_wrtn/s    kB_dscd/s    kB_read    kB_wrtn    kB_dscd
sda                  4.98       151.15       17.84         0.00      393778    46470         0

(kali@kali)-[~]
└─$ iostat -p
Linux 6.1.0-kali5-amd64 (kali) 04/17/2023 _x86_64_ (3 CPU)

avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           0.93    0.00    1.61    0.10    0.00   97.36

Device            tps    kB_read/s    kB_wrtn/s    kB_dscd/s    kB_read    kB_wrtn    kB_dscd
sda                  4.98       150.99       17.82         0.00      393778    46482         0
sda1                 4.95       150.54       17.82         0.00      392584    46482         0

(kali@kali)-[~]
└─$
```



```
kali@kali -  
File Actions Edit View Help  
[kali@kali]~  
$ iostat -N  
Linux 6.1.0-kali5-amd64 (kali) 04/17/2023 _x86_64_ (3 CPU)  
  
avg-cpu:  %user   %nice %system %iowait  %steal   %idle  
           0.95    0.00    1.62    0.10    0.00   97.34  
  
Device            tps    kB_read/s    kB_wrtn/s    kB_dscd/s    kB_read    kB_wrtn    kB_dscd  
sda                4.93       149.04       17.70         0.00    393778    46774      0  
  
[kali@kali]~  
$  
  
KALI LINUX  
"the quieter you become, the more you are able to hear"
```

```
kali@kali -  
File Actions Edit View Help  
  
0[|||||]  
1[|||||]  
2[|||||]  
Mem[|||||]  
Swp[|||||]  
  
4.0% Tasks: 75, 127 thr, 80 kthr; 1 running  
9.3% Load average: 0.23 0.15 0.10  
1.4% Uptime: 00:40:48  
662M/3.37G  
0K/1024M  
  
Main 1/0  
PID USER PRI NI VIRT RES SHR S CPU% MEM% TIME+ Command  
586 root 20 0 423M 139M 61412 S 8.1 4.0 0:58.92 /usr/lib/xorg/Xorg :0 -seat seat0 -auth /var/run/lightdm/root/:0 -nolisten tcp vt7 -novtsw  
20151 kali 20 0 8304 4604 3432 R 2.0 0.1 0:00.11 htop  
875 kali 20 0 212M 2420 2076 S 0.7 0.1 0:04.03 /usr/bin/VBoxClient --seamless  
878 kali 20 0 212M 2420 2076 S 0.7 0.1 0:01.03 /usr/bin/VBoxClient --seamless  
883 kali 20 0 212M 2524 2176 S 0.7 0.1 0:12.66 /usr/bin/VBoxClient --draganddrop  
888 kali 20 0 212M 2524 2176 S 0.7 0.1 0:12.62 /usr/bin/VBoxClient --draganddrop  
990 kali 20 0 278M 30488 20656 S 0.7 0.9 0:07.97 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/pl  
1433 kali 20 0 451M 105M 88320 S 0.7 3.1 0:06.07 /usr/bin/qterminal  
1 root 20 0 163M 12048 8912 S 0.0 0.3 0:01.36 /sbin/init splash  
322 root 20 0 49556 16076 14812 S 0.0 0.5 0:00.38 /lib/systemd/systemd-journald  
354 root 20 0 26916 7268 4664 S 0.0 0.2 0:00.34 /lib/systemd/systemd-udev  
371 root 20 0 8260 5240 1652 S 0.0 0.1 0:00.45 /usr/sbin/haveged --Foreground --verbose=1  
497 messagebus 20 0 10416 5628 4280 S 0.0 0.2 0:01.07 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation  
499 polkitd 20 0 302M 10108 7404 S 0.0 0.3 0:00.66 /usr/lib/polkit-1/polkitd --no-debug  
500 root 20 0 25280 8024 6992 S 0.0 0.2 0:00.22 /lib/systemd/systemd-logind  
505 root 0 -20 25220 24164 3760 S 0.0 0.7 0:00.49 /usr/bin/atop -w /var/log/atop/atop_20230417 600  
511 polkitd 20 0 302M 10108 7404 S 0.0 0.3 0:00.00 /usr/lib/polkit-1/polkitd --no-debug  
518 polkitd 20 0 302M 10108 7404 S 0.0 0.3 0:00.08 /usr/lib/polkit-1/polkitd --no-debug  
519 root 20 0 252M 21484 16716 S 0.0 0.6 0:00.43 /usr/sbin/NetworkManager --no-daemon  
530 root 20 0 6608 2788 2536 S 0.0 0.1 0:00.02 /usr/sbin/cron -f  
536 root 20 0 309M 12092 10236 S 0.0 0.3 0:00.18 /usr/sbin/ModemManager  
544 root 20 0 309M 12092 10236 S 0.0 0.3 0:00.00 /usr/sbin/ModemManager  
552 root 20 0 309M 12092 10236 S 0.0 0.3 0:00.01 /usr/sbin/ModemManager  
557 root 20 0 286M 2948 2572 S 0.0 0.1 0:00.82 /usr/sbin/VBoxService  
558 root 20 0 286M 2948 2572 S 0.0 0.1 0:00.00 /usr/sbin/VBoxService  
F1Help F2Setup F3Search F4Filter F5Tree F6SortBy F7Nice F8Nice F9Kill F10Quit
```