

Nov 13 15:36

rohit@rohit: ~/Documents



To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo\_root" for details.

rohit@rohit:~\$ cd Documents

rohit@rohit:~/Documents\$

Nov 13 15:38

rohit@rohit: ~



To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo\_root" for details.

Files

rohit@rohit:~\$ cd Documents

rohit@rohit:~/Documents\$ ls

rohit@rohit:~/Documents\$ cd ..

rohit@rohit:~\$ ls

Desktop Documents Downloads Music Pictures Public snap Templates Test Videos

rohit@rohit:~\$ ls Desktop

Test.txt

rohit@rohit:~\$

Nov 13 15:39

rohit@rohit: ~

To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo\_root" for details.

rohit@rohit:~\$ cd Documents

rohit@rohit:~/Documents\$ ls

rohit@rohit:~/Documents\$ cd ..

rohit@rohit:~\$ ls

Desktop Documents Downloads Music Pictures Public snap Templates Test Videos

rohit@rohit:~\$ ls Desktop

Test.txt

rohit@rohit:~\$ pwd

/home/rohit

rohit@rohit:~\$

Nov 13 15:40

rohit@rohit: ~

Firefox

To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo\_root" for details.

rohit@rohit:~\$ cd Documents

rohit@rohit:~/Documents\$ ls

rohit@rohit:~/Documents\$ cd ..

rohit@rohit:~\$ ls

Desktop Documents Downloads Music Pictures Public snap Templates Test Videos

rohit@rohit:~\$ ls Desktop

Test.txt

rohit@rohit:~\$ pwd

/home/rohit

rohit@rohit:~\$ mkdir sample

rohit@rohit:~\$ ls

Desktop Documents Downloads Music Pictures Public sample snap Templates Test Videos

rohit@rohit:~\$

Nov 13 15:41

rohit@rohit: ~

To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo\_root" for details.

rohit@rohit:~\$ cd Documents

rohit@rohit:~/Documents\$ ls

rohit@rohit:~/Documents\$ cd ..

rohit@rohit:~\$ ls

Desktop Documents Downloads Music Pictures Public snap Templates Test Videos

rohit@rohit:~\$ ls Desktop

Test.txt

rohit@rohit:~\$ pwd

/home/rohit

rohit@rohit:~\$ mkdir sample

rohit@rohit:~\$ ls

Desktop Documents Downloads Music Pictures Public sample snap Templates Test Videos

rohit@rohit:~\$ touch sample.txt

rohit@rohit:~\$ ls

Desktop Documents Downloads Music Pictures Public sample sample.txt snap Templates Test Videos

rohit@rohit:~\$

Nov 13 15:42

rohit@rohit: ~

To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo\_root" for details.

Files

rohit@rohit:~\$ cd Documents

rohit@rohit:~/Documents\$ ls

rohit@rohit:~/Documents\$ cd ..

rohit@rohit:~\$ ls

Desktop Documents Downloads Music Pictures Public snap Templates Test Videos

rohit@rohit:~\$ ls Desktop

Test.txt

rohit@rohit:~\$ pwd

/home/rohit

rohit@rohit:~\$ mkdir sample

rohit@rohit:~\$ ls

Desktop Documents Downloads Music Pictures Public sample snap Templates Test Videos

rohit@rohit:~\$ touch sample.txt

rohit@rohit:~\$ ls

Desktop Documents Downloads Music Pictures Public sample sample.txt snap Templates Test Videos

rohit@rohit:~\$ cp sample.txt Documents

rohit@rohit:~\$ ls Documents

sample.txt

rohit@rohit:~\$

Nov 13 15:46

rohit@rohit: ~

Firefox

To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo\_root" for details.

rohit@rohit:~\$ mv sample.txt Desktop

rohit@rohit:~\$ ls Desktop

sample.txt Test.txt

rohit@rohit:~\$ ls

Desktop Documents Downloads Music Pictures Public sample snap Templates Test Videos

rohit@rohit:~\$

Nov 13 15:48

rohit@rohit: ~/Desktop



Firefox

To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo\_root" for details.



```
rohit@rohit:~$ mv sample.txt Desktop
```

```
rohit@rohit:~$ ls Desktop
```

```
sample.txt  Test.txt
```

```
rohit@rohit:~$ ls
```

```
Desktop  Documents  Downloads  Music  Pictures  Public  sample  snap  Templates  Test  Videos
```

```
rohit@rohit:~$ cd Desktop
```

```
rohit@rohit:~/Desktop$ rm Test.txt
```

```
rohit@rohit:~/Desktop$ ls
```

```
sample.txt
```

```
rohit@rohit:~/Desktop$
```





Nov 13 16:18

rohit@rohit: ~

Q ≡ ⋮ □ ×

rohit@rohit:~\$ tree

```
.
├── Desktop
│   └── sample.txt
├── Documents
│   └── sample.txt
├── Downloads
│   ├── file.pdf
│   └── Test.txt
├── Music
├── Pictures
├── Public
├── sample
├── snap
│   ├── firefox [error opening dir]
│   ├── firmware-updater [error opening dir]
│   ├── snapd-desktop-integration [error opening dir]
│   ├── snap-store [error opening dir]
│   └── tree
│       ├── 54
│       ├── common
│       └── current -> 54
├── Templates
├── Test
└── Videos
```

20 directories, 4 files

rohit@rohit:~\$



Nov 13 17:04

rohit@rohit: ~/Desktop



```
rohit@rohit:~/Desktop$ ls -l sample.txt
-rw-rw-r-- 1 rohit rohit 0 Nov 13 15:41 sample.txt
rohit@rohit:~/Desktop$
```

Nov 13 17:58

rohit@rohit: ~

Q ≡ ⋮ □ ×

```
drwxr-xr-x 2 rohit rohit 4096 Nov 13 16:38 Documents
drwxr-xr-x 2 rohit rohit 4096 Nov 13 15:18 Downloads
drwxr-xr-x 2 rohit rohit 4096 Oct 9 12:32 Music
drwxr-xr-x 2 rohit rohit 4096 Oct 9 12:32 Pictures
drwxr-xr-x 2 rohit rohit 4096 Oct 9 12:32 Public
drwxrwxr-x 2 rohit rohit 4096 Nov 13 15:40 sample
drwx----- 7 rohit rohit 4096 Nov 13 16:12 snap
drwxr-xr-x 2 rohit rohit 4096 Oct 9 12:32 Templates
drwxrwxr-x 2 rohit rohit 4096 Nov 13 15:16 Test
drwxr-xr-x 2 rohit rohit 4096 Oct 9 12:32 Videos
-rwxrwxrwx 1 rohit rohit 0 Nov 13 17:47 xyz.txt
rohit@rohit:~$ chown root xyz.txt
chown: changing ownership of 'xyz.txt': Operation not permitted
rohit@rohit:~$ chown -c rohit xyz.txt
rohit@rohit:~$ s -l
s: command not found
rohit@rohit:~$ ls -l
total 44
-rwxr-xr-x 1 rohit rohit 0 Nov 13 17:40 abc.txt
drwxr-xr-x 2 rohit rohit 4096 Nov 13 15:48 Desktop
drwxr-xr-x 2 rohit rohit 4096 Nov 13 16:38 Documents
drwxr-xr-x 2 rohit rohit 4096 Nov 13 15:18 Downloads
drwxr-xr-x 2 rohit rohit 4096 Oct 9 12:32 Music
drwxr-xr-x 2 rohit rohit 4096 Oct 9 12:32 Pictures
drwxr-xr-x 2 rohit rohit 4096 Oct 9 12:32 Public
drwxrwxr-x 2 rohit rohit 4096 Nov 13 15:40 sample
drwx----- 7 rohit rohit 4096 Nov 13 16:12 snap
drwxr-xr-x 2 rohit rohit 4096 Oct 9 12:32 Templates
drwxrwxr-x 2 rohit rohit 4096 Nov 13 15:16 Test
drwxr-xr-x 2 rohit rohit 4096 Oct 9 12:32 Videos
-rwxrwxrwx 1 rohit rohit 0 Nov 13 17:47 xyz.txt
rohit@rohit:~$ chown -v root xyz.txt
chown: changing ownership of 'xyz.txt': Operation not permitted
```

Nov 13 18:00

rohit@rohit: ~

rohit@rohit: ~

rohit@rohit:~\$ ls -l

```
total 44
-rwxr-xr-x 1 rohit rohit  0 Nov 13 17:40 abc.txt
drwxr-xr-x 2 rohit rohit 4096 Nov 13 15:48 Desktop
drwxr-xr-x 2 rohit rohit 4096 Nov 13 16:38 Documents
drwxr-xr-x 2 rohit rohit 4096 Nov 13 15:18 Downloads
drwxr-xr-x 2 rohit rohit 4096 Oct  9 12:32 Music
drwxr-xr-x 2 rohit rohit 4096 Oct  9 12:32 Pictures
drwxr-xr-x 2 rohit rohit 4096 Oct  9 12:32 Public
drwxrwxr-x 2 rohit rohit 4096 Nov 13 15:40 sample
drwx----- 7 rohit rohit 4096 Nov 13 16:12 snap
drwxr-xr-x 2 rohit rohit 4096 Oct  9 12:32 Templates
drwxrwxr-x 2 rohit rohit 4096 Nov 13 15:16 Test
drwxr-xr-x 2 rohit rohit 4096 Oct  9 12:32 Videos
-rw-rw-r-- 1 rohit rohit  0 Nov 13 17:47 xyz.txt
```

rohit@rohit:~\$ chmod 777 xyz.txt

rohit@rohit:~\$ ls -l

```
total 44
-rwxr-xr-x 1 rohit rohit  0 Nov 13 17:40 abc.txt
drwxr-xr-x 2 rohit rohit 4096 Nov 13 15:48 Desktop
drwxr-xr-x 2 rohit rohit 4096 Nov 13 16:38 Documents
drwxr-xr-x 2 rohit rohit 4096 Nov 13 15:18 Downloads
drwxr-xr-x 2 rohit rohit 4096 Oct  9 12:32 Music
drwxr-xr-x 2 rohit rohit 4096 Oct  9 12:32 Pictures
drwxr-xr-x 2 rohit rohit 4096 Oct  9 12:32 Public
drwxrwxr-x 2 rohit rohit 4096 Nov 13 15:40 sample
drwx----- 7 rohit rohit 4096 Nov 13 16:12 snap
drwxr-xr-x 2 rohit rohit 4096 Oct  9 12:32 Templates
drwxrwxr-x 2 rohit rohit 4096 Nov 13 15:16 Test
drwxr-xr-x 2 rohit rohit 4096 Oct  9 12:32 Videos
-rwxrwxrwx 1 rohit rohit  0 Nov 13 17:47 xyz.txt
```

rohit@rohit:~\$ chown root xyz.txt

chown: changing ownership of 'xyz.txt': Operation not permitted

Nov 13 18:03

rohit@rohit: ~



```
rohit@rohit:~$ ps -aux|grep vagrant
```

```
rohit      3269  0.0  0.0   9144  1980 pts/1    S+   18:02   0:00 grep --color=auto vagrant
```

```
rohit@rohit:~$
```

App Center

Nov 13 18:04

rohit@rohit: ~

rohit@rohit:~\$ ps -aux|grep vagrant

```
rohit      3269  0.0  0.0   9144  1980 pts/1    S+   18:02   0:00 grep --color=auto vagrant
```

rohit@rohit:~\$ top

top - 18:04:29 up 39 min, 1 user, load average: 0.00, 0.00, 0.01  
Tasks: 227 total, 1 running, 226 sleeping, 0 stopped, 0 zombie  
%Cpu(s): 0.1 us, 0.2 sy, 0.0 ni, 99.7 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st  
MiB Mem : 10912.9 total, 9110.1 free, 1129.9 used, 952.2 buff/cache  
MiB Swap: 4096.0 total, 4096.0 free, 0.0 used. 9782.9 avail Mem

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
2017	rohit	20	0	4980904	398660	147716	S	2.7	3.6	1:09.20	gnome-shell
2979	rohit	20	0	700020	57020	45304	S	0.3	0.5	0:08.37	gnome-terminal-
3070	root	20	0	0	0	0	I	0.3	0.0	0:00.20	kworker/u19:1-events_unbound
1	root	20	0	23116	13896	9288	S	0.0	0.1	0:02.87	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.04	kthreadd
3	root	20	0	0	0	0	S	0.0	0.0	0:00.00	pool_workqueue_release
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-rcu_gp
5	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-sync_wq
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-kvfree_rcu_reclaim
7	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-slub_flushwq
8	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-netns
10	root	20	0	0	0	0	I	0.0	0.0	0:02.31	kworker/0:1-events
11	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/0:0H-events_highpri
12	root	20	0	0	0	0	I	0.0	0.0	0:00.00	kworker/u16:0-ipv6_addrconf
13	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-mm_percpu_wq
14	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_kthread
15	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_rude_kthread
16	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_trace_kthread
17	root	20	0	0	0	0	S	0.0	0.0	0:00.19	ksoftirqd/0
18	root	20	0	0	0	0	I	0.0	0.0	0:01.35	rcu_preempt
19	root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_exp_par_gp_kthread_worker/0
20	root	20	0	0	0	0	S	0.0	0.0	0:00.12	rcu_exp_gp_kthread_worker



Nov 13 18:15

rohit@rohit:~

```
rohit@rohit:~$ ps aux|grep "[p]ing"
rohit      2153  0.0  0.0 458868  7872 ?        Ssl  17:25   0:00 /usr/libexec/
gsd-housekeeping
rohit@rohit:~$ kill -9 2153
rohit@rohit:~$
```

sample.txt

Home

Nov 13 18:31

rohit@rohit: ~

```
top - 18:31:15 up 1:06, 1 user, load average: 0.02, 0.03, 0.00
Tasks: 227 total, 1 running, 226 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.8 us, 1.7 sy, 0.0 ni, 97.1 id, 0.0 wa, 0.0 hi, 0.4 si, 0.0 st
MiB Mem : 10912.9 total, 9095.4 free, 1139.8 used, 960.1 buff/cache
MiB Swap: 4096.0 total, 4096.0 free, 0.0 used. 9773.0 avail Mem
PID to signal/kill [default pid = 2017]
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
2017	rohit	20	0	4991412	410384	147776	S	11.2	3.7	2:08.78	gnome-shell
3491	rohit	20	0	699152	56420	45340	S	3.2	0.5	0:00.95	gnome-terminal-
3305	root	20	0	0	0	0	I	1.6	0.0	0:00.60	kworker/u20:0-events_unbound
1	root	20	0	23116	13896	9288	S	0.0	0.1	0:02.96	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.04	kthreadd
3	root	20	0	0	0	0	S	0.0	0.0	0:00.00	pool_workqueue_release
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-rcu_gp
5	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-sync_wq
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-kvfree_rcu_reclaim
7	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-slub_flushwq
8	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-netns
11	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/0:0H-events_highpri
12	root	20	0	0	0	0	I	0.0	0.0	0:00.00	kworker/u16:0-ipv6_addrconf
13	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/R-mm_percpu_wq
14	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_kthread
15	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_rude_kthread
16	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_trace_kthread
17	root	20	0	0	0	0	S	0.0	0.0	0:00.28	ksoftirqd/0
18	root	20	0	0	0	0	I	0.0	0.0	0:02.20	rcu_preempt
19	root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_exp_par_gp_kthread_worker/0
20	root	20	0	0	0	0	S	0.0	0.0	0:00.12	rcu_exp_gp_kthread_worker
21	root	rt	0	0	0	0	S	0.0	0.0	0:00.04	migration/0
22	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_inject/0
23	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/0
24	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/1



```
Command Prompt - powershell X + v
Microsoft Windows [Version 10.0.22621.4317]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Dell>powershell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Dell> ipconfig /all

Windows IP Configuration

Host Name . . . . . : DESKTOP-N7R4ET0
Primary Dns Suffix . . . . . :
Node Type . . . . . : Mixed
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No

Ethernet adapter Ethernet:

Connection-specific DNS Suffix . :
Description . . . . . : VirtualBox Host-Only Ethernet Adapter
Physical Address. . . . . : 0A-00-27-00-00-0B
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::9ace:a387:bdeb:4c34%11(Preferred)
IPv4 Address. . . . . : 192.168.56.1(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . :
DHCPv6 IAID . . . . . : 671744039
DHCPv6 Client DUID. . . . . : 00-01-00-01-30-46-0A-DB-80-45-DD-A8-E9-AE
NetBIOS over Tcpip. . . . . : Enabled
```

```
Command Prompt - powershell X + v

Wireless LAN adapter Local Area Connection* 1:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Description . . . . . : Microsoft Wi-Fi Direct Virtual Adapter
Physical Address. . . . . : 80-45-DD-A8-E9-AF
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Local Area Connection* 10:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Description . . . . . : Microsoft Wi-Fi Direct Virtual Adapter #2
Physical Address. . . . . : 82-45-DD-A8-E9-AE
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix . :
Description . . . . . : Intel(R) Wi-Fi 6 AX201 160MHz
Physical Address. . . . . : 80-45-DD-A8-E9-AE
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
IPv6 Address. . . . . : 2401:4900:5d28:6552:b562:f5e:d156:2e10(Preferred)
Temporary IPv6 Address. . . . . : 2401:4900:5d28:6552:b1be:766f:f3c1:a73c(Preferred)
Link-local IPv6 Address . . . . . : fe80::2f6a:71fe:93aa:eef1%5(Preferred)
IPv4 Address. . . . . : 172.20.10.7(Preferred)
Subnet Mask . . . . . : 255.255.255.240
Lease Obtained. . . . . : Thursday, November 13, 2025 4:22:46 PM
Lease Expires . . . . . : Thursday, November 13, 2025 7:23:25 PM
```

```
Command Prompt - powershell X + v
Lease Expires . . . . . : Thursday, November 13, 2025 7:23:25 PM
Default Gateway . . . . . : fe80::34b1:ebff:fefa:8f64%5
                          172.20.10.1
DHCP Server . . . . . : 172.20.10.1
DHCPv6 IAID . . . . . : 75515357
DHCPv6 Client DUID. . . . . : 00-01-00-01-30-46-0A-DB-80-45-DD-A8-E9-AE
DNS Servers . . . . . : fe80::34b1:ebff:fefa:8f64%5
                          172.20.10.1
NetBIOS over Tcpi. . . . . : Enabled

Ethernet adapter Bluetooth Network Connection:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Description . . . . . : Bluetooth Device (Personal Area Network)
Physical Address. . . . . : 80-45-DD-A8-E9-B2
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
PS C:\Users\Dell> ipconfig /release

Windows IP Configuration

No operation can be performed on Local Area Connection* 1 while it has its media disconnected.
No operation can be performed on Local Area Connection* 10 while it has its media disconnected.
No operation can be performed on Bluetooth Network Connection while it has its media disconnected.

Ethernet adapter Ethernet:

Connection-specific DNS Suffix . :
Link-local IPv6 Address . . . . . : fe80::9ace:a387:bdeb:4c34%11
IPv4 Address. . . . . : 192.168.56.1
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . :
```

```
Command Prompt - powershell X + v
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . :

Wireless LAN adapter Local Area Connection* 1:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :

Wireless LAN adapter Local Area Connection* 10:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :

Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix . :
IPv6 Address. . . . . : 2401:4900:5d28:6552:b562:f5e:d156:2e10
Temporary IPv6 Address. . . . . : 2401:4900:5d28:6552:b1be:766f:f3c1:a73c
Link-local IPv6 Address . . . . . : fe80::2f6a:71fe:93aa:eef1%5
Default Gateway . . . . . : fe80::34b1:ebff:fe8a:8f64%5

Ethernet adapter Bluetooth Network Connection:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
PS C:\Users\Dell> ipconfig /renew

Windows IP Configuration

No operation can be performed on Local Area Connection* 1 while it has its media disconnected.
No operation can be performed on Local Area Connection* 10 while it has its media disconnected.
No operation can be performed on Bluetooth Network Connection while it has its media disconnected.
```