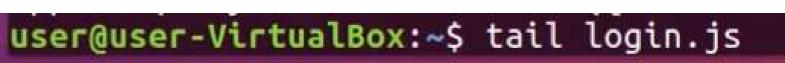
user@user-VirtualBox:~
user@user-VirtualBox:~\$ touch tut1
user@user-VirtualBox:~\$ ls -l



```
user@user-VirtualBox:~$ gedit tut1
user@user-VirtualBox:~$ cat tut1
test
1234
user@user-VirtualBox:~$ cat login.js
```

user@user-VirtualBox:~\$ head

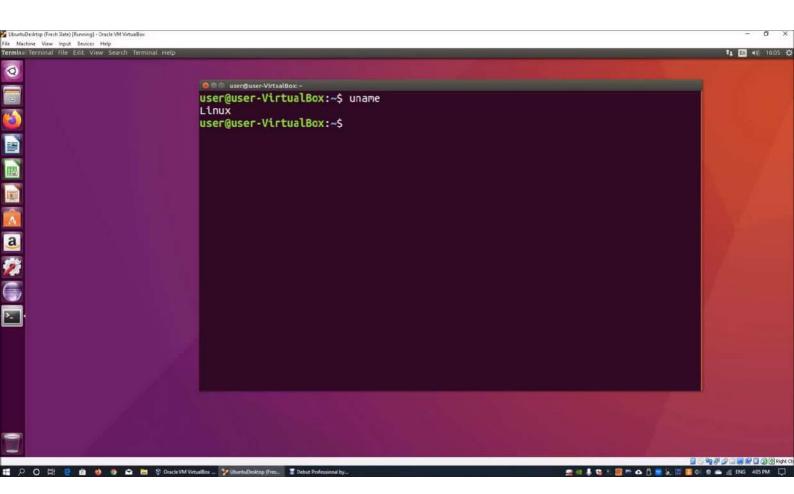


user@user-VirtualBox:~\$ cp tut1 /var/www/html
cp: cannot create regular file '/var/www/html/tut1': Permission denied
user@user-VirtualBox:~\$ sudo cp tut1 /var/www/html
[sudo] password for user:

user@user-VirtualBox:~\$ ls /var/www/html
index.html tut1

Nser@user-VirtualBox:~\$ sudo mv /var/www/html/tut1 ./
user@user-VirtualBox:~\$

user@user-VirtualBox:~\$ ls /var/www/html index.html user@user-VirtualBox:~\$



user@user-VirtualBox:~\$ uname
Linux
user@user-VirtualBox:~\$ man uname
user@user-VirtualBox:~\$ man uname

```
🌎 🗎 🗇 user@user-VirtualBox: ~
user@user-VirtualBox:~$ uname
Linux
user@user-VirtualBox:~$ man uname
user@user-VirtualBox:~$ uname -a
Linux user-VirtualBox 4.4.0-170-generic #199-Ubuntu SMP Thu Nov 14 01:45:04 UTC
2019 x86_64 x86_64 x86_64 GNU/Linux
user@user-VirtualBox:~$ ps
 PID TTY
                   TIME CMD
               00:00:00 bash
3868 pts/4
3994 pts/4 00:00:00 ps
user@user-VirtualBox:~$ man ps
user@user-VirtualBox:~$ ps -aux
          K
```

kill 4018,4066,4128,4169 128,4169: arguments must be process or job IDs <u>k</u>ill 4018

```
u<mark>ser@user-VirtualBox:~</mark>$ kill 4018
u<mark>ser@user-VirtualBox:~</mark>$ service
Jsage: service < option > | --status-all | [ service_name [ command | --full-
user@user-VirtualBox:~$
```

user@user-VirtualBox:~\$ service --status-all

user@user-VirtualBox:~\$ man service
user@user-VirtualBox:~\$ service apache2 start

user@user-VirtualBox:~\$ man service
user@user-VirtualBox:~\$ service apache2 start
user@user-VirtualBox:~\$ service apache2 status

```
user@user-VirtualBox:~$ ifconfig
enp0s3
         Link encap:Ethernet HWaddr 08:00:27:5c:80:44
          inet addr:192.168.1.20 Bcast:192.168.1.255 Mask:255.255.255.0
         inet6 addr: fe80::de1d:9da5:e801:1d81/64 Scope:Link
         UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
         RX packets:9677 errors:0 dropped:0 overruns:0 frame:0
         TX packets:3882 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
         RX bytes:10598396 (10.5 MB) TX bytes:312316 (312.3 KB)
lo
         Link encap:Local Loopback
         inet addr:127.0.0.1 Mask:255.0.0.0
         inet6 addr: ::1/128 Scope:Host
         UP LOOPBACK RUNNING MTU:65536 Metric:1
         RX packets:765 errors:0 dropped:0 overruns:0 frame:0
         TX packets:765 errors:0 dropped:0 overruns:0 carrier:0
         collisions:0 txqueuelen:1
         RX bytes:66704 (66.7 KB) TX bytes:66704 (66.7 KB)
```

```
user@user-VirtualBox:~$ pwd
/home/user
user@user-VirtualBox:~$ man pwd
```

If no option is specified, -P is assumed.

NOTE: your shell may have its own version of pwd, which usually supersedes the version described here. Please refer to your shell's documentation for details about the options it supports.

#### AUTHOR

Written by Jim Meyering.

## REPORTING BUGS

GNU coreutils online help: <a href="http://www.gnu.org/software/coreutils/">http://www.gnu.org/software/coreutils/></a>
Report pwd translation bugs to <a href="http://translationproject.org/team/">http://translationproject.org/team/></a>

### COPYRIGHT

Copyright © 2016 Free Software Foundation, Inc. License GPLv3+: GNU GPL version 3 or later <a href="http://gnu.org/licenses/gpl.html">http://gnu.org/licenses/gpl.html</a>. This is free software: you are free to change and redistribute it. There is NO WARRANTY, to the extent permitted by law.

### SEE ALSO

getcwd(3)

Manual page pwd(1) line 22 (press h for help or a to quit)

user@user-VirtualBox:~\$ ls node.js\_userlogin\_template examples.desktop app.js snort\_src node-login Templates community-rules login.html node\_modules login.js community.tar.gz Videos Desktop LoginJS **Pictures** views LoiLogin Public workspace Documents registered.tar.gz Downloads Music user@user-VirtualBox:~\$

--author

with -l, print the author of each file

-b, --escape

print C-style escapes for nongraphic characters

--block-size=SIZE

scale sizes by SIZE before printing them; e.g., '--block-size=M' prints sizes in units of 1,048,576 bytes; see SIZE format below

-B, --ignore-backups

do not list implied entries ending with ~

- -c with -lt: sort by, and show, ctime (time of last modification of file status information); with -l: show ctime and sort by name; otherwise: sort by ctime, newest first
- -C list entries by columns

--color[=WHEN]

colorize the output; WHEN can be 'always' (default if omitted), 'auto', or 'never'; more info below

Manual page 1s(1) line 22 (press h for help or a to quit)

user@user-VirtualBox:~\$ man ls
user@user-VirtualBox:~\$ ls -l

```
drwxr-xr-x
             2 1210 root
                               4096 Jan 17
                                             2019 community-rules
                                             2019 community.tar.gz
                             319487 Jan 17
- FW- FW- F--
             1 user user
             2 user user
                               4096 Jan 14
                                             2017 Desktop
drwxr-xr-x
                               4096 Jan 14
drwxr-xr-x
             2 user user
                                             2017 Documents
                               4096 Jan 17
                                             2019 Downloads
drwxr-xr-x
             2 user user
- FW- F-- F--
             1 user user
                               8980 Jan 14
                                             2017 examples.desktop
                                             2019 login.html
- - W - F - -
             1 user user
                                379 Apr
                                         6
             1 user user
                               2628 Apr 13
                                             2019 login.js
- FW- FW- F--
                               4096 Sep 15 15:39 LoginJS
drwxrwxr-x
             2 user user
drwxrwxr-x
                               4096 Sep 15 15:47 LoiLogin
             2 user user
drwxr-xr-x
             2 user user
                               4096 Jan 14
                                            2017 Music
                               4096 Sep 15 15:28 node.js userlogin template
             9 user user
drwxrwxr-x
                               4096 Sep 15 15:15 node-login
drwxrwxr-x
             6 user user
drwxrwxr-x 242 user user
                              12288 Mar 31
                                             2019 node modules
                               4096 Jan 14
                                             2017 Pictures
drwxr-xr-x
             2 user user
drwxr-xr-x
             2 user user
                               4096 Jan 14
                                             2017 Public
                                             2019 registered.tar.gz
             1 user user 104981054 Jan 15
- FW- FW- F--
             4 user user
                               4096 Jan 17
                                             2019 snort src
drwxrwxr-x
             2 user user
                               4096 Jan 14
                                             2017 Templates
drwxr-xr-x
drwxr-xr-x
                               4096 Jan 14 2<mark>017 Videos</mark>
             2 user user
                               4096 Apr
drwxrwxr-x
             2 user user
                                             2019 views
drwxrwxr-x
                               4096 Apr
                                             2019 workspace
             3 user user
                                          6
```

2019 app.js

609 Mar 31

- FW- FW- F--

1 user user

```
4096 Jan 14 2017 Public
drwxr-xr-x
            2 user user
             1 user user 104981054 Jan 15
                                           2019 registered.tar.gz
- FW- FW- F--
                                           2019 snort_src
drwxrwxr-x
            4 user user
                              4096 Jan 17
                                           2017 Templates
             2 user user
                              4096 Jan 14
drwxr-xr-x
                              4096 Jan 14
                                           2017 Videos
drwxr-xr-x
            2 user user
                                           2019 views
drwxrwxr-x
             2 user user
                              4096 Apr 7
drwxrwxr-x
            3 user user
                              4096 Apr 6
                                           2019 workspace
user@user-VirtualBox:~$ man cd
No manual entry for cd
user@user-VirtualBox:~$ cd
user@user-VirtualBox:~$ cd
```

user@user-VirtualBox:~\$ cd Publ
bash: cd: Publ: No such file or directory
user@user-VirtualBox:~\$ cd Public
user@user-VirtualBox:~/Public\$

```
user@user-VirtualBox:~/Public$ pwd
/home/user/Public
user@user-VirtualBox:~/Public$ cd ...
user@user-VirtualBox:~$ pwd
/home/user
user@user-VirtualBox:~$
```

```
user@user-VirtualBox:/$ cd ~
user@user-VirtualBox:~$ mkdir abcdefg
user@user-VirtualBox:~$ ls -l
total 102940
                               4096 Dec 22 16:02 abcdefg
drwxrwxr-x
             2 user user
                                             2019 app.js
- FW- FW- F - -
             1 user user
                                609 Mar 31
                                             2019 community-rules
drwxr-xr-x
             2 1210 root
                               4096 Jan 17
                             319487 Jan 17
                                             2019 community.tar.gz
             1 user user
- LM-LM-L--
             2 user user
                               4096 Jan 14
                                             2017 Desktop
drwxr-xr-x
                               4096 Jan 14
                                             2017 Documents
drwxr-xr-x
             2 user user
                               4096 Jan 17
                                             2019 Downloads
drwxr-xr-x
             2 user user
                               8980 Jan 14
                                             2017 examples.desktop
- - W - C - - C - -
             1 user user
                                             2019 login.html
- FW- FW- F--
             1 user user
                                379 Apr
                                         6
                               2628 Apr 13
                                             2019 login.js
- FW- FW- F--
             1 user user
drwxrwxr-x
             2 user user
                               4096 Sep 15 15:39 LoginJS
                               4096 Sep 15 15:47 LoiLogin
drwxrwxr-x
             2 user user
                               4096 Jan 14 2017 Music
drwxr-xr-x
             2 user user
                               4096 Sep 15 15:28 node.js_userlogin_template
drwxrwxr-x
             9 user user
drwxrwxr-x
             6 user user
                               4096 Sep 15 15:15 node-login
                              12288 Mar 31 2019 node modules
drwxrwxr-x 242 user user
```

user@user-VirtualBox:/\$ mkdir abcdefg

mkdir: cannot create directory 'abcdefg': Permission denied

```
user@user-VirtualBox:~$ rmdir abcdefg/
user@user-VirtualBox:~$ ls -l
total 102936
-rw-rw-r-- 1 user user
                                609 Mar 31
                                             2019 app.js
                                             2019 community-rules
drwxr-xr-x
             2 1210 root
                               4096 Jan 17
                                             2019 community.tar.gz
             1 user user
                             319487 Jan 17
- FW- FW- F--
drwxr-xr-x
             2 user user
                               4096 Jan 14
                                             2017 Desktop
             2 user user
                               4096 Jan 14
                                             2017 Documents
drwxr-xr-x
                                             2019 Downloads
drwxr-xr-x
             2 user user
                               4096 Jan 17
- FW- F-- F--
             1 user user
                               8980 Jan 14
                                             2017 examples.desktop
                                             2019 login.html
                                379 Apr 6
             1 user user
- FW- FW- F--
                                             2019 login.js
- FW- FW- F--
             1 user user
                               2628 Apr 13
                               4096 Sep 15 15:39 LoginJS
drwxrwxr-x
             2 user user
                               4096 SAD
```

user@user-VirtualBox:~\$ man df

OF(1)

User Commands

DF(1)

AME

df - report file system disk space usage

SYNOPSIS

**df** [OPTION]... [FILE]...

#### DESCRIPTION

This manual page documents the GNU version of **df**. **df** displays the amount of disk space available on the file system containing each file name argument. If no file name is given, the space available on all currently mounted file systems is shown. Disk space is shown in 1K blocks by default, unless the environment variable POSIXLY\_CORRECT is set, in which case 512-byte blocks are used.

If an argument is the absolute file name of a disk device node containing a mounted file system, **df** shows the space available on that file system rather than on the file system containing the device node. This version of **df** cannot show the space available on unmounted file systems, because on most kinds of systems doing so requires very non-portable intimate knowledge of file system structures.

```
xuser@user-VirtualBox:~Ş man d†
user@user-VirtualBox:~$ df
Filesystem
               1K-blocks
                             Used Available Use% Mounted on
udev
                  486112
                                               0% /dev
                                0
                                     486112
tmpfs
                  101588
                             3636
                                      97952
                                               4% /run
                                             40% /
/dev/sda1
                19478204 7220156
                                   11245568
                                               1% /dev/shm
tmpfs
                  507936
                                     507804
                              132
tmpfs
                                               1% /run/lock
                     5120
                                       5116
                                4
tmpfs
                                               0% /sys/fs/cgroup
                                     507936
                  507936
                                0
                                               1% /run/user/1000
tmpfs
                  101588
                               40
                                     101548
user@user-VirtualBox:~$
```

```
user@user-VirtualBox:~$ man df
user@user-VirtualBox:~$ df -H
Filesystem
                Size
                      Used Avail Use% Mounted on
udev
                498M
                                   0% /dev
                         0
                            498M
                      3.8M
tmpfs
                                   4% /run
                105M
                            101M
                     7.4G 12G
/dev/sda1
                 20G
                                  40% /
                                   1% /dev/shm
tmpfs
                521M 136k 520M
                                   1% /run/lock
tmpfs
                5.3M
                      4.1k 5.3M
                                   0% /sys/fs/cgroup
tmpfs
                521M
                            521M
                         0
                                   1% /run/user/1000
tmpfs
                105M
                       41k
                            104M
user@user-VirtualBox:~$ >
```

```
@kali:~# service apache2 status
Apache2 is running (pid 5388).
  ot@kali:~# service apache2 stop
[....] Stopping web server: apache2apache2: Could not reliably determine the server's full
 qualified domain name, using 127.0.1.1 for ServerName
ok waiting .
root@kali:~# service apache2 start
[....] Starting web server: apache2apache2: Could not reliably determine the server's full
 qualified domain name, using 127.0.1.1 for ServerName
 ok
  ot@kali: # ps aux | grep apache
root
           9547 0.0
                      0.7 154700 16176 ?
                                                   Ss
                                                         15:16
                                                                  0:00 /usr/sbin/apache2 -k star
                                                                  0:00 /usr/sbin/apache2 -k star
          9567
                 0.0 0.3 154724
                                    7356 ?
                                                   S
                                                         15:16
www-data
          9568
                                                   S
                      0.3 154724
                                    7356 ?
                                                                  0:00 /usr/sbin/apache2 -k star
www-data
                 0.0
                                                         15:16
                                                                 0:00 /usr/sbin/apache2 -k star
0:00 /usr/sbin/apache2 -k star
                                                   S
www-data
           9569
                      0.3 154724
                 0.0
                                    7356 ?
                                                         15:16
www-data
           9570
                0.0 0.3 154724
                                    7356 ?
                                                   S
                                                         15:16
www-data
           9571
                 0.0 0.3 154724
                                   7356 ?
                                                   S
                                                                  0:00 /usr/sbin/apache2 -k star
                                                         15:16
root
           9576
                 0.0
                       0.0
                                                   S+
                                                                  0:00 grep apache
                             7780
                                    1340 pts/0
                                                         15:17
```



root@kali:~# gedit /etc/apache2/apache2.conf

# Monitorix

Monitorix is a free, open source, lightweight system monitoring tool designed to monitor as many services and system resources as possible. It has been created to be used under **production Linux/UNIX servers**, but due to its simplicity and small size can be used on **embedded devices** as well.

It consists mainly of two programs: a collector, called monitorix, which is a Perl daemon that is started automatically like any other system service, and a CGI script called monitorix.cgi. Since 3.0 version Monitorix includes its own HTTP server built in, so you aren't forced to install a third-party web server to use it.

All of its development was initially created for monitoring Red Hat, Fedora and CentOS Linux systems, so this project was made keeping in mind these type of distributions. Today it runs on different GNU/Linux distributions and even in other UNIX systems like FreeBSD, OpenBSD and NetBSD.

"We absolutely like Monitorix for its user friendliness and lightweight. They are a must-try for those who are looking for a free and easy-to-use system monitoring tool." - Jerry HostScore.net

It is currently in active development adding new features, new graphs and correcting bugs in the attempt to offer a great tool for daily systems administration of the <u>best VPS hosting services</u>.

Monitorix is an open source project and, just like any other open source project, anyone can contribute with his own time and knowledge.



Lates

21-Feb-202 3.11.0 ve

14-Mar-201

3.10.1 ve 15-Mar-201

# More

Red Ha Arch Li FreeBS

Debian Slackw

FreeBS

Changel

FAQ

Screens

Donation



```
user@lollangyang:~$ ifconfig
         Link encap: Ethernet HWaddr 08:00:27:5c:80:44
enp0s3
         inet addr:192.168.1.20 Bcast:192.168.1.255
                                                      Mask: 255.255
         inet6 addr: fe80::de1d:9da5:e801:1d81/64 Scope:Link
         UP BROADCAST RUNNING MULTICAST MTU:1500
                                                   Metric:1
         RX packets:48170 errors:0 dropped:0 overruns:0 frame:0
         TX packets:22468 errors:0 dropped:0 overruns:0 carrier:0
         collisions:0 txqueuelen:1000
         RX bytes:69842544 (69.8 MB) TX bytes:1596690 (1.5 MB)
         Link encap:Local Loopback
lo
         inet addr:127.0.0.1 Mask:255.0.0.0
         inet6 addr: ::1/128 Scope:Host
         UP LOOPBACK RUNNING MTU:65536 Metric:1
         RX packets:1121 errors:0 dropped:0 overruns:0 frame:0
         TX packets:1121 errors:0 dropped:0 overruns:0 carrier:0
         collisions:0 txqueuelen:1
         RX bytes:373714 (373.7 KB) TX bytes:373714 (373.7 KB)
```

