



Basic Linux Commands for DevOps



Amit Choudhary · Jan 3, 2023 ·  2 min read

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Checking the Current working directory

```
pwd
```

[COPY](#) 

```
Admin@DESKTOP-PS2CNCQ MINGW64 ~/Desktop
$ pwd
/c/Users/Admin/Desktop
```

Listing the files

```
ls
```

[COPY](#) 

```
Admin@DESKTOP-PS2CNCQ MINGW64 ~/Desktop/vagrant/ubuntu18
$ ls
VagrantFile  bashfiles1.sh  cial/  devopsdir/  devoscript/  testfile123.txt  ubuntu-bionic-18.04-cloudimg-console.log
```

Listing all the files including Hidden Files

```
ls -a
```

[COPY](#) 

```
Admin@DESKTOP-PS2CNCQ MINGW64 ~/Desktop/vagrant/ubuntu18
$ ls -a
./      ..      .vagrant/  bashfiles1.sh  devopsdir/  testfile123.txt
../     VagrantFile  cial/     devoscript/   ubuntu-bionic-18.04-cloudimg-console.log
```

Listing all the files including hidden files with permission details

```
ls -la
```

COPY

```
Admin@DESKTOP-PS2CNCQ MINGW64 ~/Desktop/vagrant/ubuntu18
$ ls -la
total 60
drwxr-xr-x 1 Admin 197121 0 Jan 2 09:16 ./
drwxr-xr-x 1 Admin 197121 0 Jan 2 10:01 ../
drwxr-xr-x 1 Admin 197121 0 Jan 2 08:05 .vagrant/
-rw-r--r-- 1 Admin 197121 3040 Jan 2 08:47 Vagrantfile
-rw-r--r-- 1 Admin 197121 0 Jan 2 08:35 bashfiles1.sh
drwxr-xr-x 1 Admin 197121 0 Jan 2 09:16 cial/
drwxr-xr-x 1 Admin 197121 0 Jan 2 08:30 devopsdir/
drwxr-xr-x 1 Admin 197121 0 Jan 2 08:46 devoscript/
-rw-r--r-- 1 Admin 197121 0 Jan 2 08:30 testfile123.txt
-rw-r--r-- 1 Admin 197121 41911 Jan 2 08:49 ubuntu-bionic-18.04-cloudimg-console.log
```

Create a nested directory A/B/C/D/E

```
mkdir -p DevOps/AWS/Jenkins/Ansible
```

COPY

```
Admin@DESKTOP-PS2CNCQ MINGW64 ~/Desktop/vagrant/ubuntu18/A
$ mkdir -p DevOps/AWS/Jenkins/Ansible
```

To view what's written in a file.

```
cat Filename
```

COPY

```
Admin@mca2107215 MINGW64 ~/Desktop/vagrant-vms/centos
$ cat Vagrantfile
# -*- mode: ruby -*-
# vi: set ft=ruby :

# All Vagrant configuration is done below. The "2" in Vagrant.configure
# configures the configuration version (we support older styles for
# backwards compatibility). Please don't change it unless you know what
# you're doing.
```

To change the access permissions of files.

To check which commands you have run till now.

```
history
```

COPY

```
[root@localhost ~]# history
1 history
2 ls -ld
3 ls
4 cd anaconda-ks.cfg
5 ls
6 cat anaconda-ks.cfg
7 history
[root@localhost ~]#
```

To remove a directory/ Folder.

```
rm -R directory
```

COPY

```
[root@localhost ~]# ls
amit anaconda-ks.cfg original-ks.cfg
[root@localhost ~]# rm -R amit/
rm: remove directory 'amit'? Y
[root@localhost ~]# ls
anaconda-ks.cfg original-ks.cfg
[root@localhost ~]#
```

To create a fruits.txt file and to view the content.

```
#To create the fruits.txt
touch fruits.txt
vi fruits.txt
#Put the Fruits Names
cat fruits.txt
```

```
[root@localhost fruit]# touch fruit.txt
[root@localhost fruit]# ls
fruit.txt
[root@localhost fruit]# vim fruit.txt
-bash: vim: command not found
[root@localhost fruit]# vi fruit.txt
[root@localhost fruit]# cat fruit.txt
Apple
Mango
Orange
Banana
Dragon Fruit
[root@localhost fruit]# |
```

Add content in devops.txt (One in each line) - Apple, Mango, Banana, Cherry, Kiwi, Orange, Guava.

```
touch devops.txt
vi devops.txt
cat devops.txt
```

COPY 

```
[root@localhost devops]# touch devops.txt
[root@localhost devops]# vi devops.txt
[root@localhost devops]# cat devops.txt
Apple
Mango
Banana
Cherry
Kiwi
Orange
Guava
```

To Show only the top three fruits from the file

```
head -3 devops.txt
```

COPY 

```
[root@localhost devops]# head -3 devops.txt
Apple
Mango
Banana
[root@localhost devops]# |
```

Show only the bottom three fruits from the file.

```
tail -3 devops.txt
```

COPY 

```
[root@localhost devops]# tail -3 devops.txt
Orange
Guava
[root@localhost devops]# |
```

To create another file Colors.txt and to view the content. Add content in Colors.txt (One in each line) - Red, Pink, White, Black, Blue, Orange, Purple, Grey.

```
#create the file
touch Colors.txt
#add the color name
vi Colors.txt
```

COPY 

```
[root@localhost devops]# touch Colors.txt
[root@localhost devops]# vi Colors.txt
[root@localhost devops]# ls
Colors.txt  devops.txt
[root@localhost devops]# |
```

To find the difference between fruits.txt and Colors.txt file.

```
diff Colors.txt devops.txt
```

COPY 

```
[root@localhost devops]# diff Colors.txt devops.txt
Colors.txt devops.txt
[root@localhost devops]# diff Colors.txt devops.txt
1,5c1,5
< Red
< Pink
< White
< Black
< Blue
---
> Apple
> Mango
> Banana
> Cherry
> Kiwi
7,8c7,8
< Purple
< Grey
---
> Guava
>
[root@localhost devops]# |
```

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