

DevOps Pro

SUNBMITTED BY

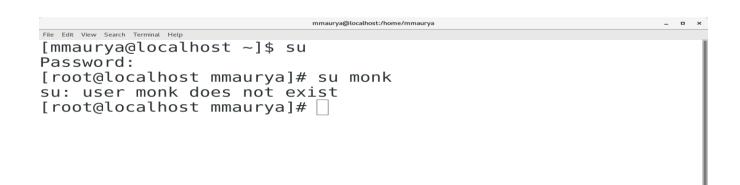
UNDER THE GUIDANCE OF

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Connect and disconnect with login Access

- What happens when you login a non-existent users or username?
- o Provide Screenshot and What you understand, explain in short brief?

Answer: a failed login attempt against a non-existent user will always fail since there is no password to match. This could show attempts to enumerate users or it may show attempts to profile an application.



Password changing

• Login into your account and then change password?

Change your password into IneuR0n#42 and hit the Enter key



Explain what happen and give screenshot?

Ans In Linux- operating systems apply the passwd commands for changing the password of the user. The *passwd* command is used for updating the authentication password

Try again to change password but use like password 1234 or abcd

• Explain what happen and give screenshot?

When I use like use like password 1234 or abcd then we have got some message in Centos terminal

mmaurya@localhost://home/mmaurya	_ " ×
File Edit View Search Terminal Help	
[mmaurya@localhost ~]\$ su	
Password:	
<pre>[root@localhost mmaurya]# sudo passwd root</pre>	
Changing password for user root.	
New password:	
BAD PASSWORD: The password is shorter than 8 characters	
Retype new password:	

Overcome to these type message

The passwords must a combination of 10 to 20 characters containing multiple characters from all of the below sets as a normal guideline:

Upper case alphabetics

Lower case alphabetics

Digits 0 to 9

Special characters or punctuation marks

Try again to change password but now don't use any password just hit Enter key

Explain what happen and give screenshot?

mmaurya@localhost:/home/mmaurya File Edit View Search Terminal Help [mmaurya@localhost ~]\$ su Password: [root@localhost mmaurya]# sudo passwd root Changing password for user root. New password: Retype new password: passwd: all authentication tokens updated successfully. [root@localhost mmaurya]# sudo passwd root Changing password for user root. New password: Retype new password: passwd: all authentication tokens updated successfully. [root@localhost mmaurya]# sudo passwd root Changing password for user root. New password: BAD PASSWORD: No password supplied Retype new password:

Working with Directories

• Enter the command cd / and then Is and then hit Enter key

Take screenshot and explain what output we got?



• Enter the command now cd /home and then hit Enter key

Do Is, provide screenshot and explain what is /home directory used for?

```
File Edit View Search Terminal Help

[mmaurya@localhost ~]$ cd /

[mmaurya@localhost /]$ ls

bin dev home lib64 mnt proc run srv tmp var

boot etc lib media opt root sbin sys usr

[mmaurya@localhost /]$
```

• Enter the command now cd /home and then hit Enter key

Do Is, provide screenshot and explain what is /home directory used for?

home directory is the directory or folder commonly given to a user on a network or Linux variant operating system. With the home directory the user can store all their personal information, files, login scripts, and user information. With a Linux web server, the home directory is also where you'd find the public_html directory containing all files used for a website.

```
| Immaurya@localhost home]$ cd /
| Immaurya@localhost home]$ cd /
| Immaurya@localhost /]$ ls
| bin dev home lib64 mnt proc run srv tmp var
| boot etc lib media opt root sbin sys usr
| Immaurya@localhost /]$ cd /home
| Immaurya@localhost home]$ ls
| mmaurya@localhost home]$ ls
| mmaurya@localhost home]$ | Immaurya@localhost home]$ | Imm
```

- Enter cd .. and hit Enter key [Note: here we have space aer cd then use double dot]
- O Check what happen and give screenshot?

Ans If you type cd .. you will change into the current directory

Suppose we are currently in the /usr/local/share directory. To switch
to the /usr/local directory (one level up from the current directory)

 Now enter cd /var/www/html and then type cd and hit Enter key

Explain what happened and give a screenshot.

Ans the error showing is this:

bash: cd: /var/www/html/ : No such file or directory

Now type cd /root and then hit Enter key

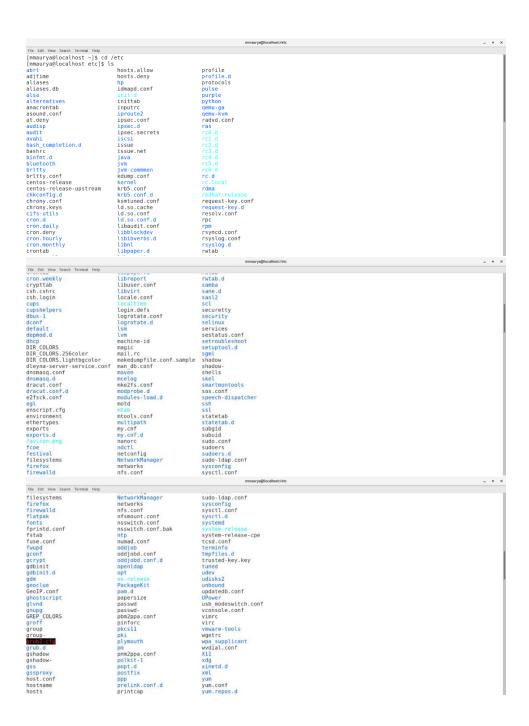
o Do Is, check any output we have on screen if yes then take screenshot?

```
mmaurya@localhost:/
File Edit View Search Terminal Help
[mmaurya@localhost /]$ cd
[mmaurya@localhost ~]$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
[mmaurya@localhost ~]$ cd /home
[mmaurya@localhost home]$ cd ...
[mmaurya@localhost /]$ cd /var/www/html
bash: cd: /var/www/html: No such file or directory
[mmaurya@localhost /]$ cd /var/www/html cd
bash: cd: /var/www/html: No such file or directory
[mmaurya@localhost /]$ cd /root
bash: cd: /root: Permission denied
[mmaurya@localhost /]$ ls
bin
      dev home lib64 mnt proc run
                                               tmp
                                                   var
boot etc lib
                 media opt root sbin sys usr
[mmaurya@localhost /]$
```

Working with File Listing

- Go to cd /etc and type Is
- o Take screenshot and explain what files you have been seeing?

This command cd /etc changes directory to the directory specified after the slash /. The /etc refers to a folder in the root called etc. If the Linux user was inside the /etc folder, typing cd / would bring the user to the root.



Take screenshot and explain what different output you found compare to previous command you used?

Then type Is -al and hit Enter key

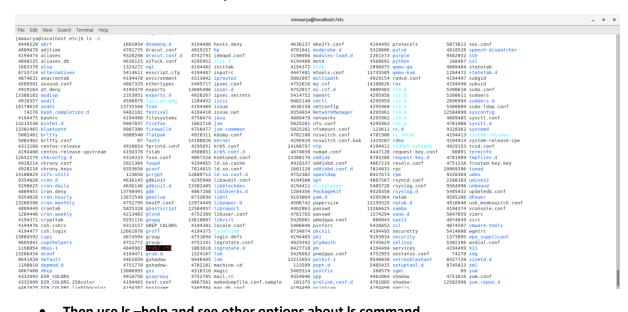
o Take screenshot and explain what new file or directory you found?

```
| The Edit Vivo Sarch | Nermal | Help | Help
```

Then use Is -i and hit Enter key

o Now see what different output its shows and take screenshot?

Ans To display the inode number of files and directories, append the -i flag at the end of the ls command as shown **Syntax**



Then use Is –help and see other options about Is command

Explore it and try with other attribute we can use with Is command

Know where you are and where you working Here we use pwd, cd and ls as combine task to understand where you working on terminal and how you can switch from one directory to another one.

- Open terminal after restart the Linux
- o Check which location you working, type pwd and take screenshot

• Now use cd /var and hit Enter key

o Do ls, and see what output comes, give screenshot?

```
File Edit View Search Terminal Help
[mmaurya@localhost ~]$ pwd
/home/mmaurya
[mmaurya@localhost ~]$ cd /var
[mmaurya@localhost var]$ ls
account crash games
                            lib
                                   log
                                          opt
                                                     spool
adm
         db
                 gopher
                            local
                                   mail
                                          preserve
                                                     tmp
         empty kerberos lock
cache
                                   nis
                                          run
                                                     yр
[mmaurya@localhost var]$
```

 \bullet Do explore other help options of each command to learn more other things we can do with these commands

ls -r It is used to print the list in reverse order