

-rw-r--r-- 1 root root 0 Dec 29 01:50 aws

- : type of the file

- : regular file

d : directoryfile

c : character file

b : blocked file

| : pipe file

PERMISSIONS:

r : read : 4

w : write : 2

x : execute: 1

- : nothing : 0

user : rw- : $4+2+0=6$

group : r-- : $4+0+0 = 4$

others : r-- : $4+0+0=4$

644

rwX : $4+2+1 = 7$

--X : $0+0+1 = 1$

r-X : $4+0+1 = 5$

1: ACL (Access Control List)

for file it is 1

for folder it is 2

root root ---> owners of the file

root : user

root : group

0 ----> data in kb

Dec 29 01:50 : file creation details

aws ---> filename

USER:

devops:x:1002:1002::/home/devops:/bin/bash

devops ---> username

x ---> we can store the user passwords in x

1002 ---> uid (user id)

1002 ----> gid (group id)

/home/devops ----> devops folder created in /home folder

/bin/bash ---> commands will store in this path

`cat /etc/passwd`: used to see list of users in server
`useradd` : used to add a user in our server
`userdel` : deletes the user
`passwd user_name` : sets the password to the user
`su - user_name` : go the user

`cat /etc/group` : used to see list of groups is a server
`groupadd` : used to add a group
`groupdel` : used to delete a group

to changes the owners of a file:

`chown user_name file_name` : used to change user of the file

`chgrp group_name file_name` : used to change the group of the file

`chown user:group file_name`: used to change user and group at a time.

PERMISSIONS:

`chmod 777 file_name` : used to change the permissions of a file

`rwX r-x --x : 751`