LINUX CLASS 5

TO COMPARE 2 FILES : cmp file1 file2

TO GET THE DIFFERENCES B/W 2 FILES : diff file1 file2

TO OPEN 2 FILES IN VIM EDITOR: vim -o file1 file2 (up and down)

TO OPEN 2 FILES IN VIM EDITOR : vim -O file1 file2 (side by side)

TO ENCRYPT A FILE : gpg -c filename

TO DECRYPT A FILE : gpg -d filename.gpg

LETS UNDERSTAND THE FILE:

-rw-r--r-- 1 root root 45 Dec 15 13:43 azure

TYPE OF THE FILE (-) :

- : REGULAR FILE

d : DIRECTORY FILE

c : CHARACTER FILE

b : BLOCKED FILE

PERMISSIONS OF A FILE: (rw-r--r--)

r : read (4)

w : write (2)

x : execute (1)

- : nothing (0)

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

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

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

644

EX:

user : rwx = 4+2+1 = 7

group : r-x = 4+0+1 = 5

others : -w- = 0+2+0 = 2

ACL (Access Control List) :

file = 1

folder = 2

FILE OWNERS:

root = user

root = group

NO OF CHARACTERS IN A FILE: (45)

FILE CREATION/MODIFICATION DETAILS (Dec 15 13:43)

FILE NAME (azure)

USER COMMANDS:

Note: whenever we create any user, group will created automatically.

if we delete the user, group will be deleted automatically

whenever we create any user, directory will gets created in /home directory

TO SEE THE LIST OF USERS : cat /etc/passwd

TO ADD A USER : useradd username

upendra:x:1002:1002::/home/upendra:/bin/bash

upendra (username)

x : it stores the password of the user

1002 : UID (User ID)

1002 : GID (Group ID)

/home/upendra : This is users path

/bin/bash : this is our shell path

TO DELETE A USER : userdel username

TO GET ID's OF A USER : id username

TO SWITCH TO ANOTHER USER : su - username

TO SET A PASSWORD TO USER : passwd username

TO DELETE A USER ALONG WITH FOLDER : userdel -r username (r=recursive)

GROUP COMMANDS:

TO SEE LIST OF GROUPS : cat /etc/group

TO CREATE A GROUP : groupadd groupname

TO DELETE A GROUP : groupadd groupname