

Activity_3_Access Permission

Steps

Login to your machine.

To create an empty file

#touch abc.txt

To List the perm of files and dir

getfacl abc.txt

ls -l

To change the owner of a file or dir

sudo chown newusername file/dir_name

To modify file and directories permissions.

chmod

To give all perm to user on file abc.txt

chmod u+rwx abc.txt

To give read and execute perm. to group on file abc.txt

chmod g+rx abc.txt

To remove the write permission from the file abc.txt

#chmod g-w abc.txt

To set same set of perm on all (users, groups & other)

chmod a=rw abc.txt

Read perm will be removed from all

chmod a-r abc.txt

To give all perm to users and groups and read, execute to others on file abc.txt

chmod 775 abc.txt

To create dir test

mkdir test

To give all perm on dir test

chmod 777 test

To create few files in 1 command

touch file{1..5}

To give 777 perm to directory test and all the files inside it.

chmod 777 -R test

Let's run below commands and match the output.

command	Uses
touch abc.txt	to create empty file
getfacl filename/dir	To List the perm of files and dir
ls -l	To List the perm of files and dir
sudo chown newusername file/dir_name	To change the owner of a file or dir
sudo chgrp groupname file/dir_name	To change the group of a file or dir
chmod	To Modify the perm
chmod u+rwx abc.txt	Give all perm to user on file abc.txt
chmod g+rx abc.txt	Give read and execute perm. to group on file abc.txt
chmod o+r abc.txt	Give only read to others on abc.txt
chmod u+rwx, g+rw, o=r abc.txt	It will give read,write & execute to user, read and write to group and reset others perm to read.
chmod g-w abc.txt	To remove the write permission from the file abc.txt
chmod a=rw abc.txt	To set same set of perm on all (users, groups & other)
chmod a-r abc.txt	Read perm will be removed from all
chmod 775 abc.txt	give all perm to users and groups and read,execute to others on file abc.txt
mkdir test	to create test dir
chmod 777 test	to give all perm to dir test
cd test	to switch in to test dir
touch file{1..4}	to create 4 empty file, as file1, file2, file3 & file4
chmod 777 -R test	Give 777 perm to directory test and all the files inside it.

