File Permission Task

TASKS

Work Flow:

- Create an EC2 instance with the help of AWS Management Console with linux OS of required configuration.
- Now, Connect an EC2 instance with an help of Windows Terminal or Gitbash or Vbox.
- To connect an EC2 instance the command is:
    - ssh -i "**key_file**" ec2-user@"**Public_IP_address**"

Key_file --- Key file of the instance with the extension .pem

Public_IP_address --- Public IP address of the instance.

1. **Create a file with .txt extension (/home/demo.txt). Change the permission set of that file, so that any user can read it, group can read/write & owner can read/write/execute it.**

    ✓ First To create an file with .txt extension. The file name is "**demo.txt**" and also we need an permission to access an root directory so we are using "**sudo**" in front in the command, the command is:

    - **sudo touch /home/demo.txt**

    ✓ now check the details of the file is created before that we have to move to home directory because we have created an file inside an home directory, the command is:

    - **cd /home**

    ✓ Now to check the permission set of the file/folder, the command is :

    - **ls -l**

    ✓ To change the permission set of that file, we the word called "chmod" it means an change mode. It is use to change an mode of the file/folder.

    ✓ Before changing an permission set of that file, there is an numeric concept should be follow to change an permission set, which is given below:

NUMBERS	PERMISSIONS	SYMBOL
0	No Permission	-
1	Execute	x
2	Write	w
3	Write and Execute	wx
4	Read	r
5	Read and Execute	rx
6	Read and Write	rw
7	Read, Write and Execute	rwx

- ✓ The syntax of the numeric concept to set an permission for any file/folder:
  - **chmod ugo File/Folder _name**

    u means **user**

    g means **group**

    o means **owner**

- ✓ Now, to create the permission set for any user can only read file, as per the numeric concept in this case we use:

  u ----- 4

- ✓ To create the permission set for group can read/write the file as per the numeric concept in this case we use:

  g ----- 6

- ✓ To create the permission set for owner can read/write/execute the file**,** as per the numeric concept in this case we use:

  o ----- 7

- ✓ Now, the final command to Change the permission set of that file, so that any user can only read it, group can read/write & owner can read/write/execute it and also we need an permission to access an root directory so we are using "**sudo**" in front in the command, the command is:
  - **sudo chmod 467 demo.txt**

- ✓ Finally, to check the permission set of the file , the command is :
  - **ls -l**

********** **TASK COMPLETED** **********