

## File Permission

### Description:

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.

### Create the file

```
touch /home/file.txt
```

```
[root@ip-172-31-6-92 ec2-user]# touch /home/file.txt
[root@ip-172-31-6-92 ec2-user]# cd home
bash: cd: home: No such file or directory
[root@ip-172-31-6-92 ec2-user]# ls
[root@ip-172-31-6-92 ec2-user]# cd ..
[root@ip-172-31-6-92 home]# ls
ec2-user  file.txt
[root@ip-172-31-6-92 home]# █
```

### Set permissions

- Owner: **read + write + execute** → rwx
- Group: **read + write** → rw-
- Others: **read only** → r--

Permission bits → rwx rw- r--

Numeric (octal) → **764**

```
[root@ip-172-31-6-92 home]# chmod 764 file.txt
[root@ip-172-31-6-92 home]# ls -l
total 0
drwx----- 3 ec2-user ec2-user 74 Dec  2 10:46 ec2-user
-rwxrw-r--. 1 root      root      0 Dec  2 10:48 file.txt
```