

File permissions :

- Owner or User level (u)
- Group level(g)
- Others level(o)

Access modes are of three types:-

- r read only
- w write/edit/delete/append
- x execute/run a command

- Read=4
- Write=2
- Execute=1 total =7

File permissions:

Symbolic method:

```
# chmod u=rwx,g=rw,o=r <filename>
```

```
# chmod ugo=rwx <filename>
```

Absolute method:

```
#chmod 764 <filename>
```

```
#chmod 777 <filename>
```

```
#chmod 600 <filename>
```

UMASK

Default Umask value is 002

File : By default there is no execution permissions i.e $777-111 = 666$ $666-002=664$ (rw-,rw--,r--)

Dir: full permission for directory is $777-002 = 775$ (rwx,rwx,r-x)

If umask value change to 022

File : By default there is execution permissions i.e $777-111 = 666$ $666-022=644$ (rw-,r--,r--)

Dir: full permission for directory is $777-022 = 755$ (rwx,r_x,r-x)