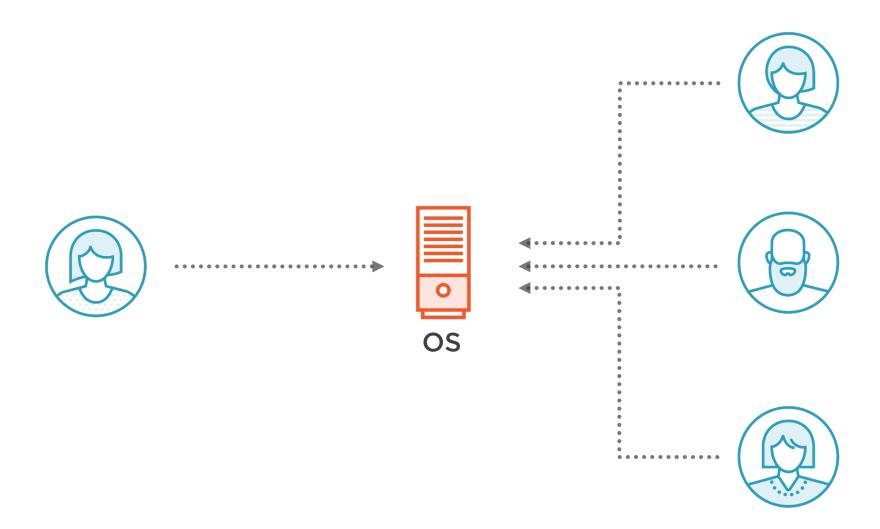
Moving Files



Mateo Prigl
SOFTWARE DEVELOPER



File Permissions



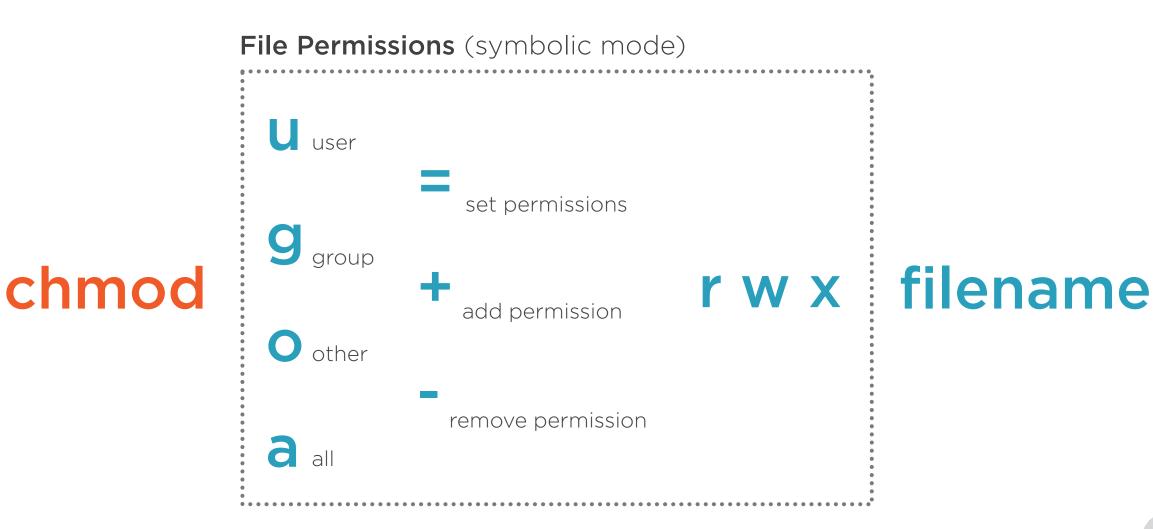


File Permissions

Permissions	File	Directory	
Read (r)	Open and read	List the contents	
Write (w)	Edit (modify) contents	Add, remove and rename files within it	
Execute (x)	Execute (executable file)	Enter inside (cd into it)	



Changing Permissions





Changing Permissions

File Permissions (absolute/numeric mode)

(absolute/Hameric Hode)				
	4	2	1	
	r	W	X	
1	0	0	1	X
2	0	1	0	- w -
4	1	0	0	r
1+2=3	0	1	1	- w x
	• • • • • • • • • •		• • • • • • • • •	

chmod

filename



Changing Permissions

File Permissions (absolute/numeric mode)

chmod

filename



Default permissions with umask



Default UNIX Permissions





File Permission

666

rw-rw-rw-

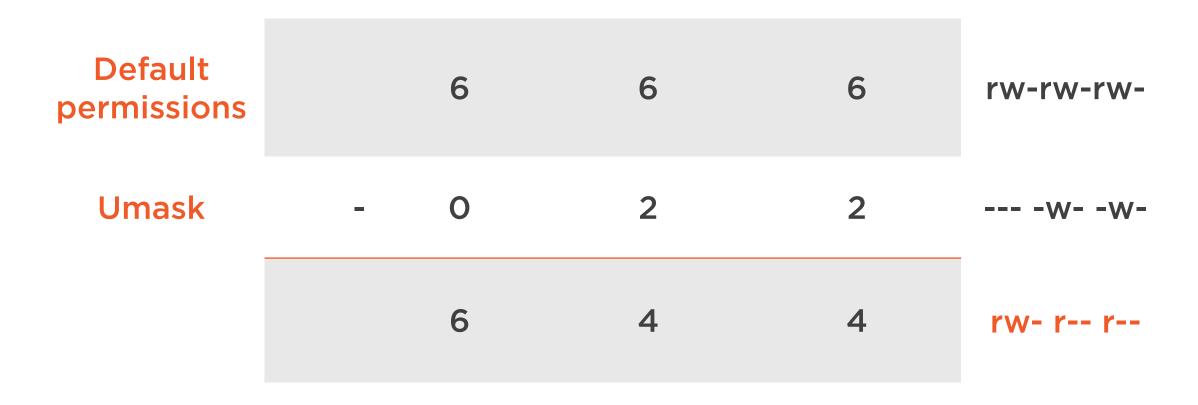
Directory Permission

777

rwxrwxrwx

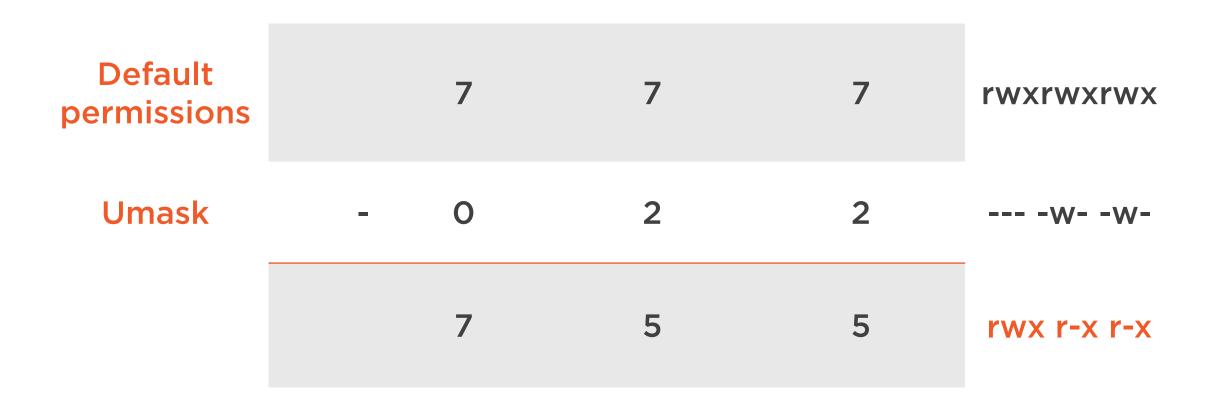


Default File Permissions





Default Directory Permissions







File owners and groups
Creating users and groups



sudo

Run commands as another user

- Usually as root

Faster and safer then using the root account directly

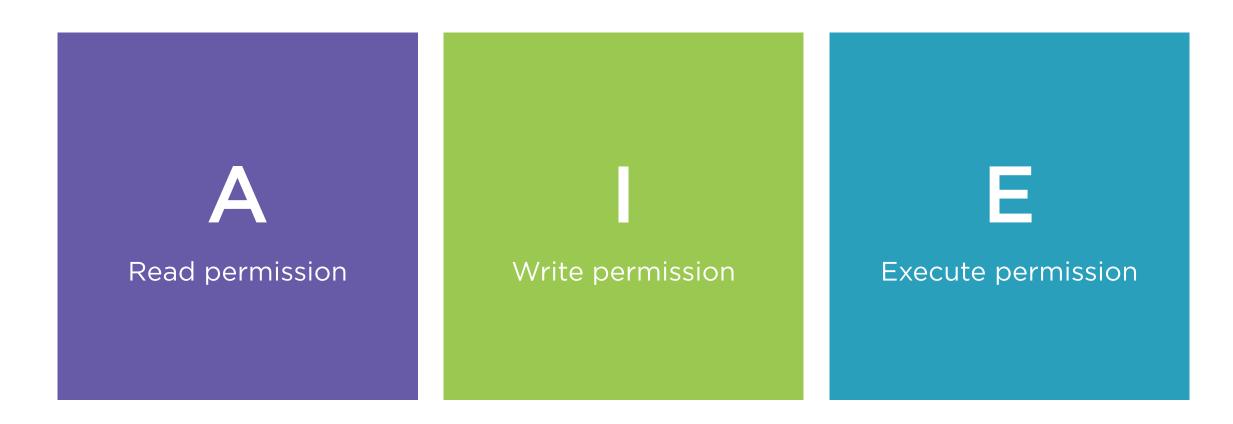




Glob qualifiers for file permissions



Glob Qualifiers for Group Permissions







Special file permissions

- SUID
- SGID
- Sticky bit



Special Permissions in Numerical Mode

SUID SGID Sticky bit
4 2 1
s t



Special Permissions Representation

SUID SGID Sticky bit
s s t
rws rws rwt

Special File Permissions

Permissions	File	Directory
SUID (s or S)	Run file as a file owner	
SGID (s or S)	Run file as a member of the file group	All of the files inside of it will belong to the directory group
Sticky bit (t or T)		Prevents files inside of it from being removed by anyone but the owner of that file





Copying files with cp





Backing up files with rsync





Moving and renaming files with mv



Summary



File permissions

- read, write, execute
- owner, group, other

Creating users and groups

Umask

Special permissions

- SUID, SGID, Sticky bit

Copying files with cp

Backing up files with rsync

Moving and renaming files with mv

