

# Linux -Permissions

# 3 –Types of permissions

Owner  
permissions

Group  
permissions

Other (any)  
permissions

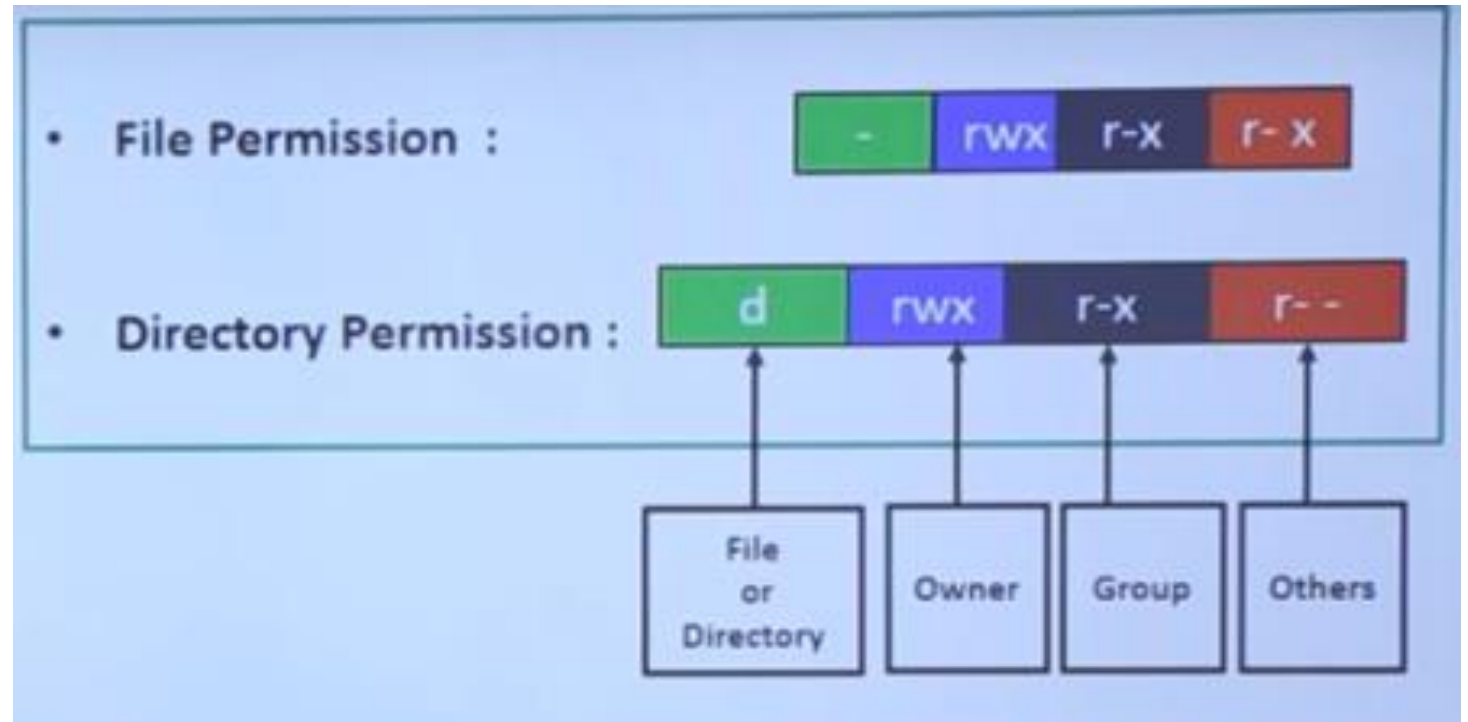
# File access modes

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- Read - view the contents of the file
- Write – the capability of modifying or removing the content of the file.
- Execute – user with execute permission can run file as a program

If you allocate 3 types of permission which will be a full control.

# Permission Indicators



# Symbolic Permission



Sl No	Chmod operator and discription
1	+ Add the designated permission to the file or directory
2	- Add the designated permission to the file or directory
3	= set the designated permissions

# Set File permission using Octal

NUMBER	OCTAL PERMISSION REPRESENTATION	REFERENCE
0	No Permission	---
1	Execute Permission	--X
2	Write permission	-W-
3	Execute(1) + write permission(2) =3	-WX
4	Read permission(reserved)	r--
5	Read and Execute permission = 4 (read) + 1 (Execute)	r-x
6	Read and write permission= 4(read) + 2(write) =6	rw-
7	All Permission= 4(read)+2(write)+1(Execute)	rwX