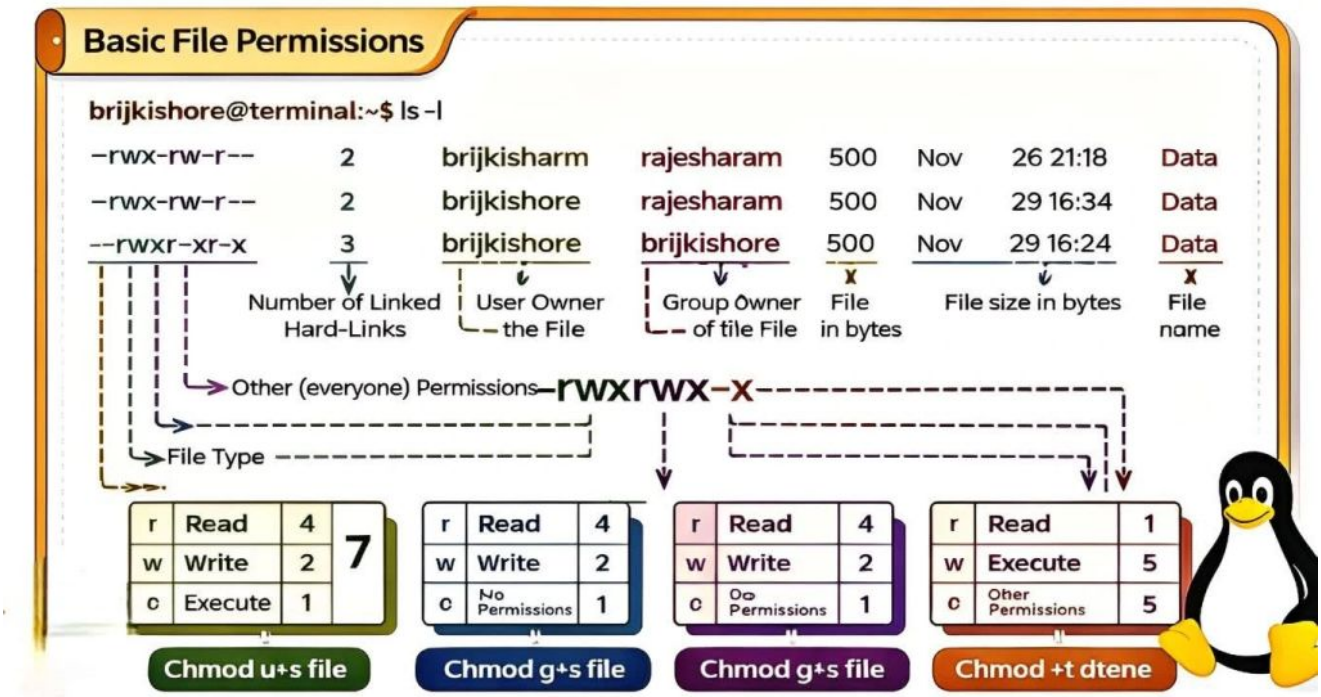
File permissions

Linux File Permission Cheatsheet



Symbolic vs Numeric Representation

Binary	Octal	Permissions	Soabel
000	0	None (0-0+0)	----
001	1	Execute (0+0-)	--x
010	2	Write (0-1-0)	-w-
011	3	Write + Execute	-wx
100	4	Read (1-0+0)	r--
101	5	Read (1-0+1)	r-x
110	6	Read + Write	rw-
111	7	Read + Write + Execute	rwx

Capital S is an error if occurs if user has no execute bit (0) set

Capital T is an error if occurs if others have no execute bit (0) set but stil have write bit (2) set

Special Permissions

SUID Permission
-rwsr-xr-x-
chmod u+s file

SGIl Permission
drwxrwsr-x-
chmod g+s directory,name

Stick Bit Permission
drwxrwxr-t-=
chmod +t directory,name

Store Permission
drwxrwxr-t-=
chmod +t directory_name

Special Permissions

SUID Permission
-rwsI-xr-x--
chmod u+s file

SGID Permission
drwxrwsr-x-
chmod g+s directory_name

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