

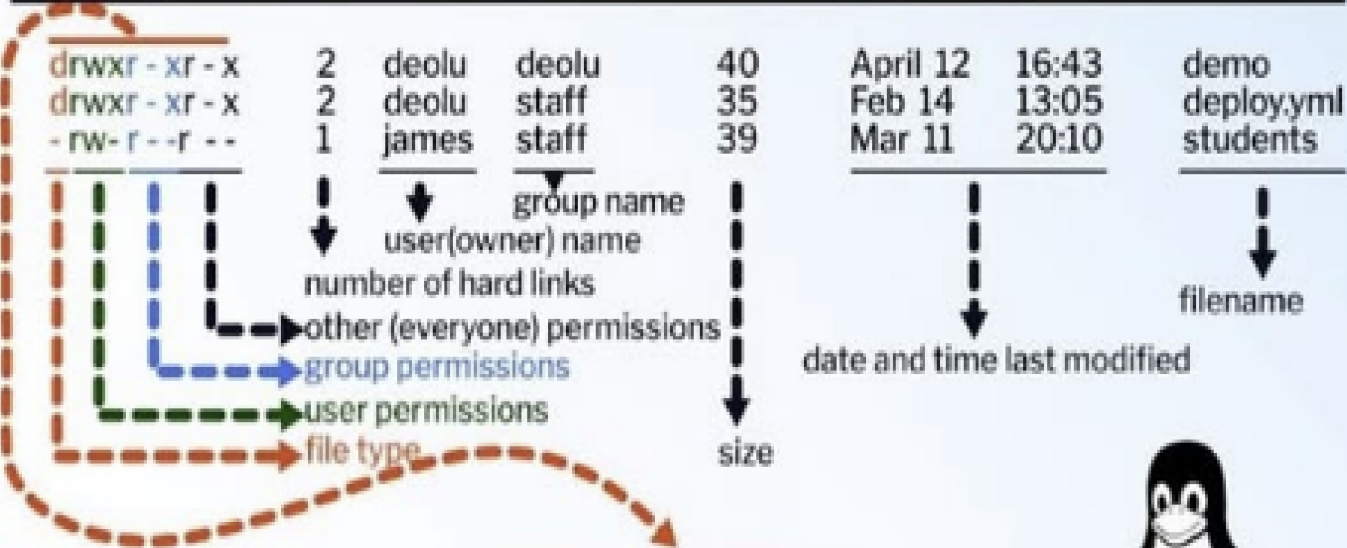


Linux File Permissions Explained

hellodeolu

Understand how read (r), write (w), and execute (x) permissions control access to files and directories, ensuring security and proper user management.

```
>_
deolu@hellodeolu:~$ ls -l
total 38
```



User Group Other
drwxr-xr-x

r	Read	4
w	Write	2
x	Execute	1
7		

r	Read	4
-	No permission	0
x	Execute	1
5		

r	Read	4
-	No permission	0
x	Execute	1
5		



Binary	Decimal	Permission	Representation
000	0(0+0+0)	No Permission	---
001	1(0+0+1)	Execute	--x
010	2(0+2+0)	Write	-w-
011	3(0+2+1)	Write + Execute	-wx
100	4(4+0+0)	Read	r--
101	5(4+0+1)	Read + Execute	r-x
110	6(4+2+0)	Read + Write	rw-
111	7(4+2+1)	Read + Write + Execute	rwX

