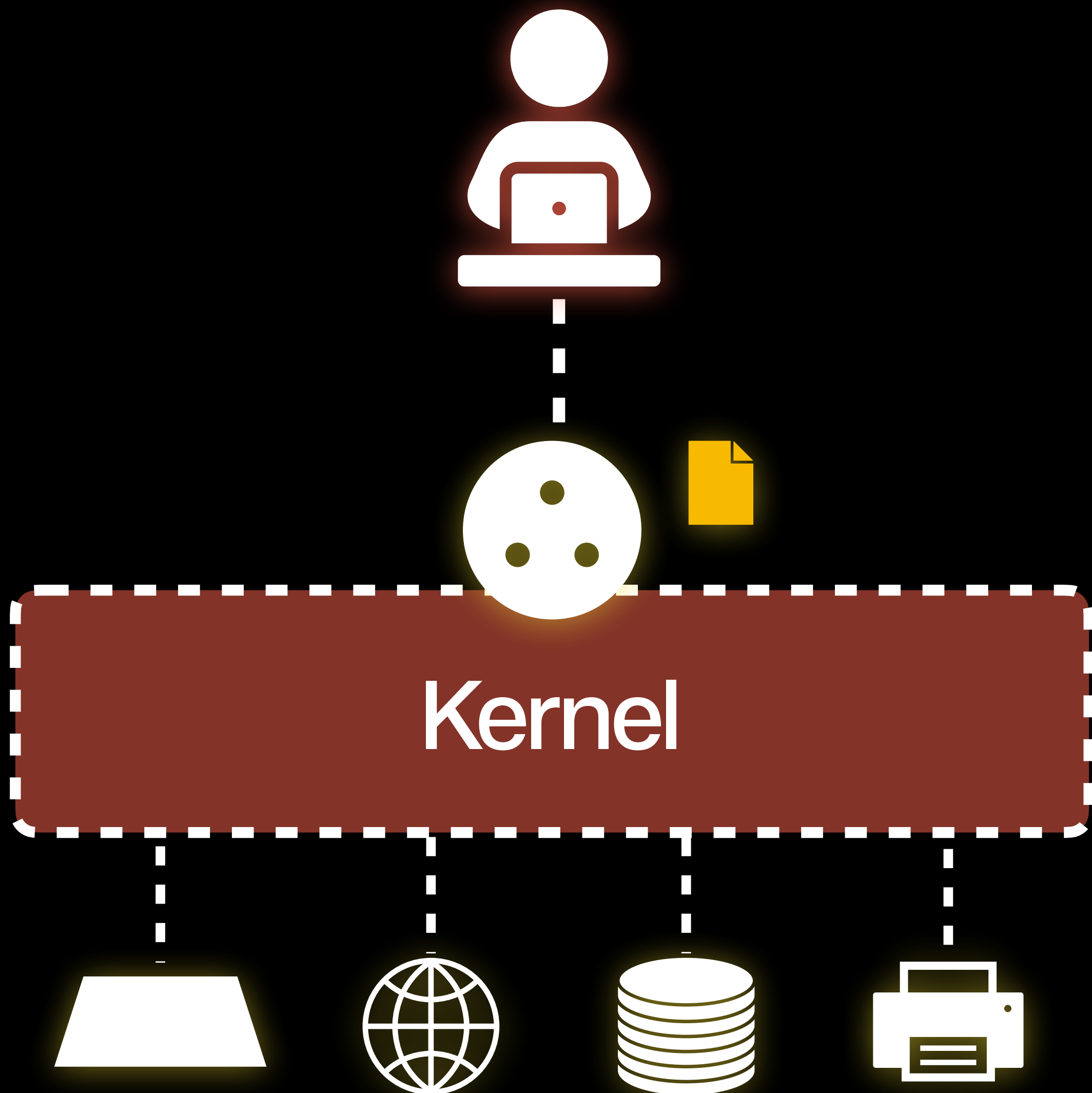
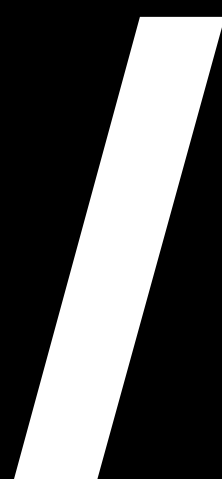


File System







---

boot  
dev  
etc  
home  
lib -> usr/lib  
lib.usr-is-merged  
lib64 -> usr/lib64  
lost+found  
media  
mnt  
opt  
proc  
root  
run  
sbin -> usr/sbin  
sbin.usr-is-merged  
snap  
srv  
sys  
tmp  
usr  
var

# File permissions

**drwxrwxrwx**

Type

User

Group

Others



d



rwx

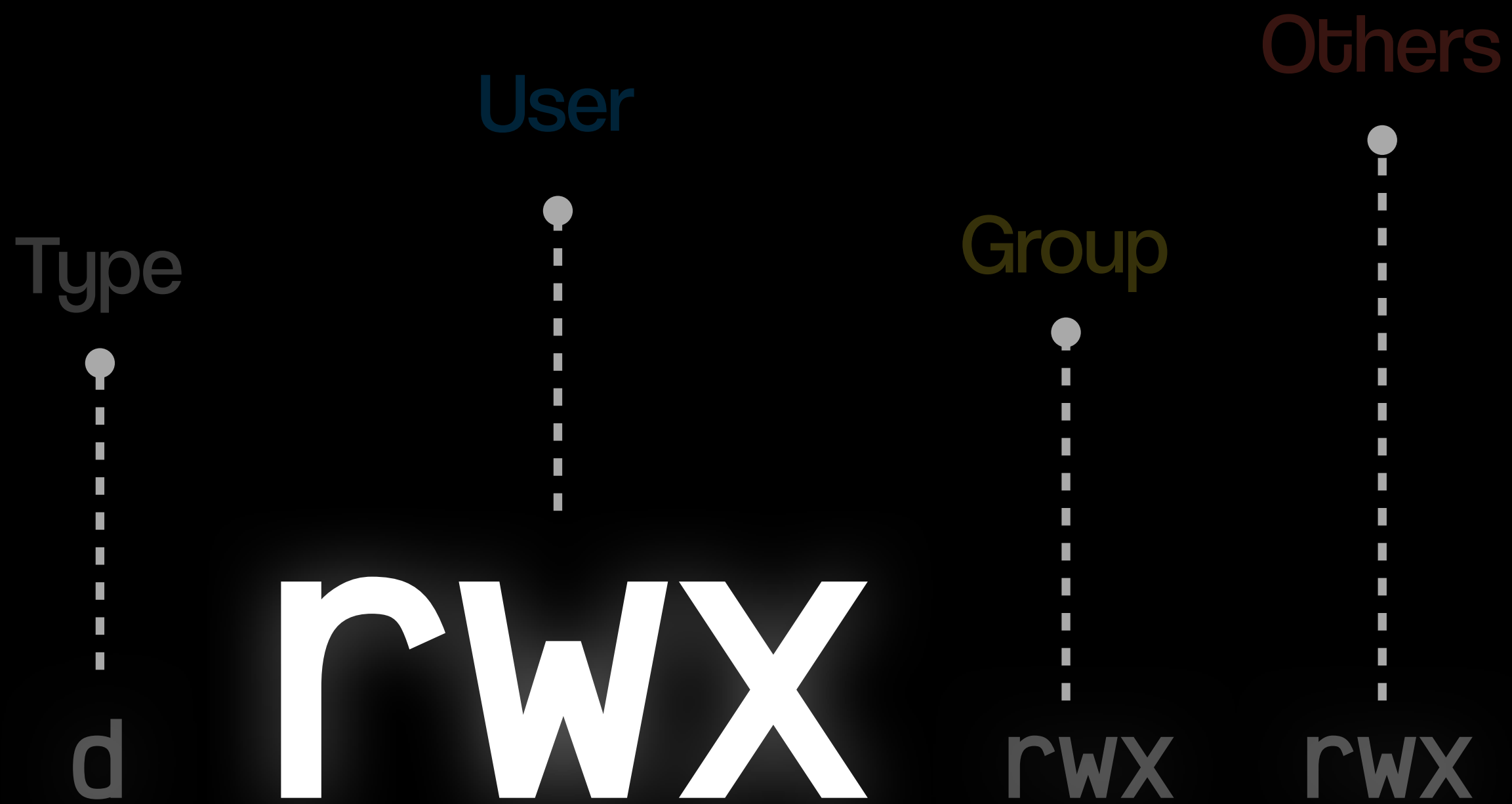


rwx



rwx



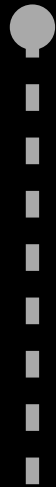


Type



—

User



Group



r—

Others



r—

**rw—**

-rw-r--r--

Type

User

Group

Others



-

rw-

r--

r--

-rw-r--r-- 1 root root

21 Apr 20 17:19 finance.txt

Octal notation

**drwxrwxrwx**

**d rwx rwx rwx**

**7**

**7**

**7**

**drwxrwxrwx**

**777**



Permission	Digit
Read	4
Write	2
Execute	1

Permission	Digit
Read	4
Write	2
Execute	1

d rwx rwx rwx

Permission	Digit
Read	4
Write	2
Execute	1

-    **rwX**    **r-X**    **r--**

Permission	Digit
Read	4
Write	2
Execute	1

-    **rwX**    **r-X**    **r--**

Permission	Digit
Read	4
Write	2
Execute	1

- rw- rw- r--

Permission	Digit
Read	4
Write	2
Execute	1

755

Permission	Digit
Read	4
Write	2
Execute	1

Default permissions



Permission Type	Symbol	File	Folder
Read	r	cat, head, tail	ls, du
Write	w	nano, vi	edit, rename, delete, create file
Execute	x	Execute a file	cd
None	-	Do nothing	Do nothing

**drwxrwsrwt**

d rwx      rws      rwt

Set-GID      Sticky Bit

The diagram illustrates file permissions and special bits. It shows three permission sets: 'd rwx', 'rws', and 'rwt'. The 's' in 'rws' is red and labeled 'Set-GID' with a dashed line. The 't' in 'rwt' is yellow and labeled 'Sticky Bit' with a dashed line.

Thank you