

File Permissions Scheme

r = READ (View the file/directory)
w = WRITE (Change/modify the file/directory)
x = EXECUTE (Run code/program or enter directory)

rwX = 7
rw- = 6
r-x = 5
r-- = 4
--- = 0

Common Permissions

777 = rwxrwxrwx
770 = rwxrwx---
755 = rwxr-xr-x
700 = rwx-----
666 = rw-rw-rw-
644 = rw-r--r--
600 = rw-----

Example File

```
-rwx----- 1 [User] [Group] 111 [Date-Modified] [Filename]
```

The first character is either a hyphen or a 'd.' A hyphen denotes a regular file, while a 'd' denotes a directory.

The next three characters tell us the permissions for the user that owns the file.

The following three characters tell us the permissions for all members of the group which owns the file.

The final three characters tell us the permissions for all others.