




chmod & File Permission Cheat Sheet

 Command	 Symbolic	 Meaning
chmod 777	rwxrwxrwx	Everyone: full access
chmod 755	rwxr-xr-x	Owner: full, others: read/execute
chmod 700	rwX-----	Owner-only access
chmod 644	rw-r--r--	Owner write, others read (safe default)
chmod 600	rw-----	Private config or SSH keys
chmod 400	r-----	Read-only (for secrets)
chmod 444	r--r--r--	Everyone read-only
chmod +x	—	Add execute → Make script runnable
chmod -x	—	Remove execute
chmod u+x	—	Add execute for user (owner)
chmod g-w	—	Remove write from group
chmod a-w	—	Remove write for all users
chmod o+r	—	Others can read
chmod ug+x	—	Add execute for user and group
chmod a+x	—	Make script executable for all
chmod 711	rwX--X--X	Owner full, others can

		execute only
chmod 555	r-xr-xr-x	Everyone can read and execute (no write)
chmod 640	rw-r-----	Owner write/read, group read
chmod 664	rw-rw-r--	Owner/group write/read, others read
ls -l	—	View current file permissions
chmod -R 755 folder/	—	Recursive: apply 755 to folder + subfiles
chmod --reference=a b	—	Copy permissions from file A to file B
stat file.txt	—	Detailed permission + metadata (alt to ls -l)