

## File and Directory Management

Command	Description
ls	List files and directories
ls -l	Long listing (details: permissions, owner, size, etc.)
cd dirname/	Change directory
cd ..	Go up one directory
pwd	Print current working directory
mkdir dirname	Create a new directory
rmdir dirname	Remove an empty directory
rm filename	Delete a file
rm -r dirname/	Delete a directory and its contents
touch filename	Create a new empty file
cp source dest	Copy file or directory
mv source dest	Move or rename file or directory
cat filename	View file contents
less filename / more filename	View file one page at a time

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## File Editing

Command	Description
nano filename	Edit file in nano (simple editor)
vim filename	Edit file in Vim (advanced)
echo "text" > file.txt	Write text to file (overwrite)
echo "text" >> file.txt	Append text to file

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## Searching & Finding

Command	Description
find /path -name "file"	Find file by name
grep "text" filename	Search for text inside file
grep -r "text" /path	Recursive search in directory

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## Permissions

Command	Description
chmod 755 filename	Change file permissions
chown user:group filename	Change ownership

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### Package Management (Ubuntu/Debian)

Command	Description
sudo apt update	Update package lists
sudo apt upgrade	Upgrade installed packages
sudo apt install package-name	Install a package
sudo apt remove package-name	Remove a package

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### System Commands

Command	Description
sudo	Run command as root
shutdown now	Shutdown the system
reboot	Restart the system
clear	Clear the terminal
history	Show command history
man command	Manual/help for a command (e.g. man ls)

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### Networking

Command	Description
ping google.com	Check internet connection
ifconfig or ip a	Show IP address (use ip in modern distros)
curl example.com	Get data from a URL
wget url	Download a file