

# List of Command Line Commands

*Glossary of commonly used commands*

**The Command Line** is a text interface for your computer. It's a program that takes in commands, which it passes on to the computer's operating system to run.

You can navigate through files and folders on your computer just as you would with Mac OS Finder or Window Explorer on Windows.

- ls** - List item in the current directory
- ls -l** - List item in the current directory and show in long format to see permissions, size & date.
- ls -a** - List all item in the current directory including hidden files
- ls dir** - List all items in directory dir
- cd dir** - Change current directory to dir
- cd ..** - Go up one directory
- cd /** - Go to your root directory
- cd ~** - Go to your home directory
- cd -** - Go to the last directory you were just in
- pwd** - Show present working directory path
- mkdir dir** - Create a directory dir
- rm file** - remove file
- rm -r dir** - Remove directory dir recursively
- cp file1 file2** - Copy file1 to file2
- cp -r dir1 dir2** - Copy directory dir1 to dir2 recursively
- mv file1 file2** - Move (rename) file1 to file2
- touch file** - Create or update file
- cat file** - Output the content of the file
- alias name= 'command'** - Create an alias for a command
- tar cf file.tar files** - Create a tar named file.tar containing files
- tar xf file.tar** - Extract the files from file.tar
- tar czf file.tar.gz files** - Create a tar with Gzip compression
- tar xzf file.tar.gz** - Extract a tar using Gzip
- gzip file** - Compresses file and renames it to file.gz
- gzip -d file.gz** - Decompresses file.gz back to file
- ls -l** - List items in current directory and show permissions
- chmod 600 file** - You can read & write - good for files
- chmod 700 file** - You can read, write, & execute - good for scripts
- chmod 644 file** - You can read & write, and everyone else can only read - good for web pages
- chmod 755 file** - You can read & write, and execute, and everyone else can read and execute - good for programs that you want to share
- grep pattern files** - Search for pattern in files
- find file** - Find all instances of file in real system
- ps** - Display your currently active processes
- kill -9 pid** - Force kill process id pid