# Linux Cheat Sheet

by Spudguy via cheatography.com/36628/cs/11506/

## Bash Shortcuts

| | |
|---|---|
| CTRL+C | Stop Current Command |
| CTRL+Z | Sleep Current Foreground Command |
| CTRL+A | Move Cursor to Start of the Line |
| CTRL+E | Move Cursor to End of the Line |
| CTRL+U | Cut from Start of Line to Cursor |
| CTRL+K | Cut from End of Line to Cursor |
| CTRL+R | Search Through Command History |
| bg | Send Last Sleep Command to Background (output will be printed to screen) |
| fg | Bring Last Background Command to Foreground |
| !! | Repeat Last Command |
| !*abc* | Run the Last Command with the String Starting with abc |
| !*abc*:p | Print the Last Command with the String Starting abc |
| ^*abc*&*123* | Run the Previous Command, Replacing abc with 123 |

## Bash Commands

| | |
|---|---|
| date | Show System Data |
| uptime | Show System Uptime |

## Command Lists

| | |
|---|---|
| *cmd1*;*cmd2* | Run cmd1 then cmd2 |
| *cmd1* && *cmd2* | Run cmd1 then if successful, run cmd2 |
| *cmd* & | Run Command in the Background (Output will be Printed to the Screen) |
| *cmd1* \| *cmd2* | Run cmd1 and then run cmd2 Based on the Results of cmd1. This can be Repeated and is called "piping". |

## Search

| | |
|---|---|
| find /dir/ -name *name** | Find Files Starting with name Under the /dir/ Directory |
| find /dir/ -user *name* | Find Files Owned by the Username under the /dir/ Directory |
| find /dir/ -mmin *num* | Find Files Modified Less than num Minutes ago in the /dir/ Directory |

## Search (cont)

| | |
|---|---|
| grep *pattern* files | Search for Lines in the file which Match the Pattern |
| grep -I *pattern* files | Search for Lines in the File which Match the Pattern (Case Insensitive) |
| grep -v *pattern* files | Search for Lines in the File which don't Match the Pattern |
| cut -d " " -f "-1" | cut is used to only display the parts of a line you are interested in. In this example, the delimiter is a space, (-d " ") and we are only interested in the first entry, (-f "1"). You can select multiple entries by separating with a comma, (-f "1,2,3") |

## Directory Operations

| | |
|---|---|
| pwd | Print Working Directory |
| mkdir *name* | Make Directory in current Directory |
| cd *dir* | Change Directory to *dir* |
| ls | List files and Directories |
| ls -a | List Files and Directories Including Hidden |
| ls -R | List Files and Directories Recursively |
| ls -r | List Files and Directories in Reverse Order |
| ls -l | List Files and Directories Showing more Detail |
| ls -1 | List Files and Directories 1 Per Line |
| ls -m | List Files and Directories comma seperated |
| ls -! | List Files and Directories Quoted Output |

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