

Linux(Unix) is simple, but it takes a genius to understand its simplicity.

- Dennis Ritchie

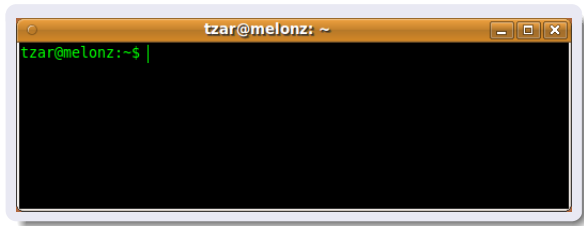
The Linux Terminal for Beginners

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What is Linux Terminal?



Home for Homeless :p

What is Linux Terminal?

Myths about Linux Terminal

Myths

- Terminal is not worth learning.
- Terminal is very tough to learn.

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The **power of automation** that Linux offers can only be **fully utilized with shell scripts**.

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Commands

- **Change directory:** `cd`, `cd /path/to/dir`, `cd ..`, `cd ~`, `cd -`
- **Present Working Directory:** `pwd`
- **Print to std-output:** `echo`
- **Clear screen:** `clear`
- **Create and Remove dir:** `mkdir`, `rmdir`
- **List files:** `ls`, `ls -a`, `ls -l`
- **Read file:** `cat`
- **Copy:** `cp`, `cp -r`
- **Move:** `mv`
- **Remove files:** `rm`

Commands

Viewing details of command

- `man command_name`
- `info command_name`
- `which command_name`
- `whereis command_name`
- `whatis command_name`
- `command_name` `{--help | -h}`

Terminal

Tips and Tricks

- **Auto-completion:** `<tab>`
- **User interrupt:** `Ctrl + c`
- **EOF(Exit):** `Ctrl + d`
- **Cut:** `Ctrl + u`
- **Paste:** `Ctrl + y`

- Pipe: |
- Background the process: &
- Output Redirection: >, >>
- Error Redirection: 2>
- Input Redirection: <
- AND: &&
- OR: ||
- V-IMP virtual device: /dev/null

- **Word(char/line) count:** `wc`
- **Interactive content listing:** `more`, `less`
- **selective content listing:** `head`, `tail`
- **Search Content:** `grep`
- **Search Files:** `find`, `locate`

Commands

Variables in Terminal

- `A=12`
- `B=" A"`
- `echo $A ${A}`
- `echo ${!B}`
- `A=15`
- `echo $A ${!B}`
- `ARR=(Zero One Two Three)`
- `echo ${ARR[0]}`
- `echo ${ARR[*]}`

Commands

More commands..

- history
- read
- du
- df
- vim
- grep
- sed
- awk

Commands

Writing your own scripts

- Shebang Notation: `#!`
- Shell: `/bin/bash`
- Comments being with `#`
- Arguments : `$1, $2, ... $N`
- Command itself: `$0`
- All arguments: `$@ $*`
- `#!/bin/bash`
- `# myscript.sh`
-
- `ls /`

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References

- [history](#)
- [google.com](https://www.google.com)

Thank You :)

Any queries?

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The Community

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