

# **UniCLI Powerful: An Intro to the Command Line**



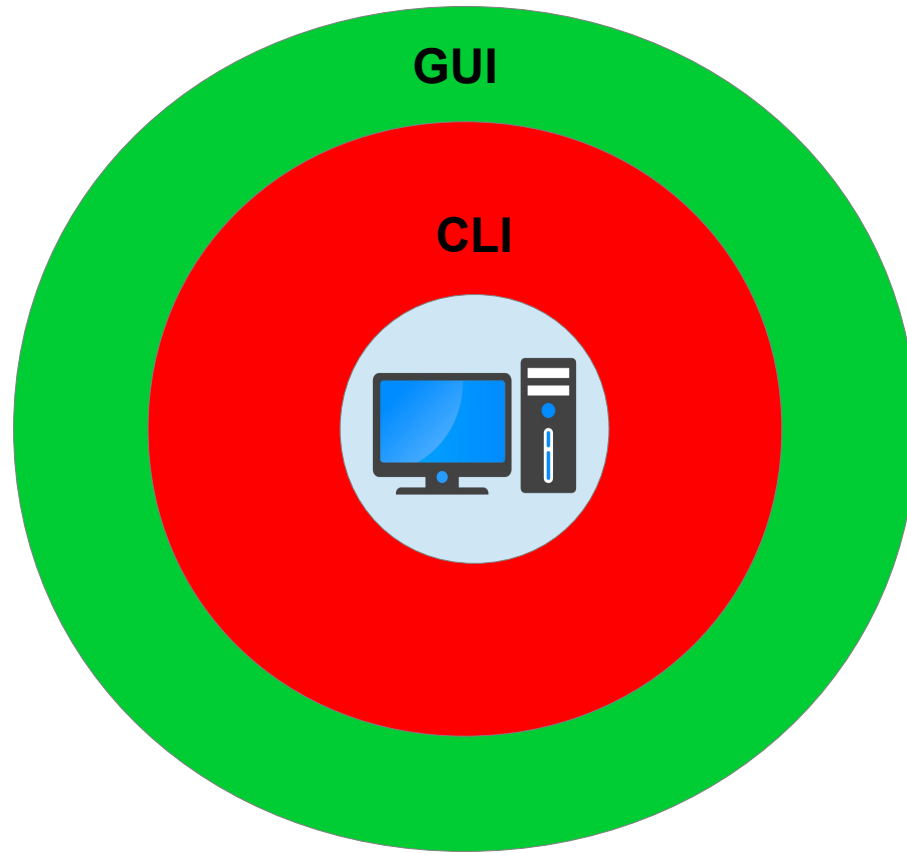
# “Shells”

## GUI

- Tactile
- Aesthetically appealing
- Easier to “read”
  - Verbose

## CLI

- Simple, cheap
- Easier automation and/or batch processing
- Specificity



# Primary CLI Shells

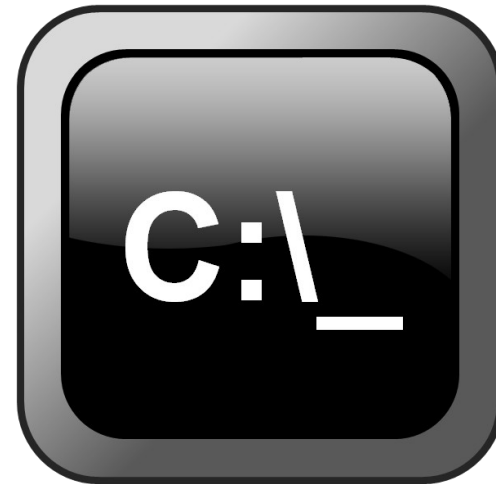
## macOS/Linux

- Bash (accessed via Terminal)

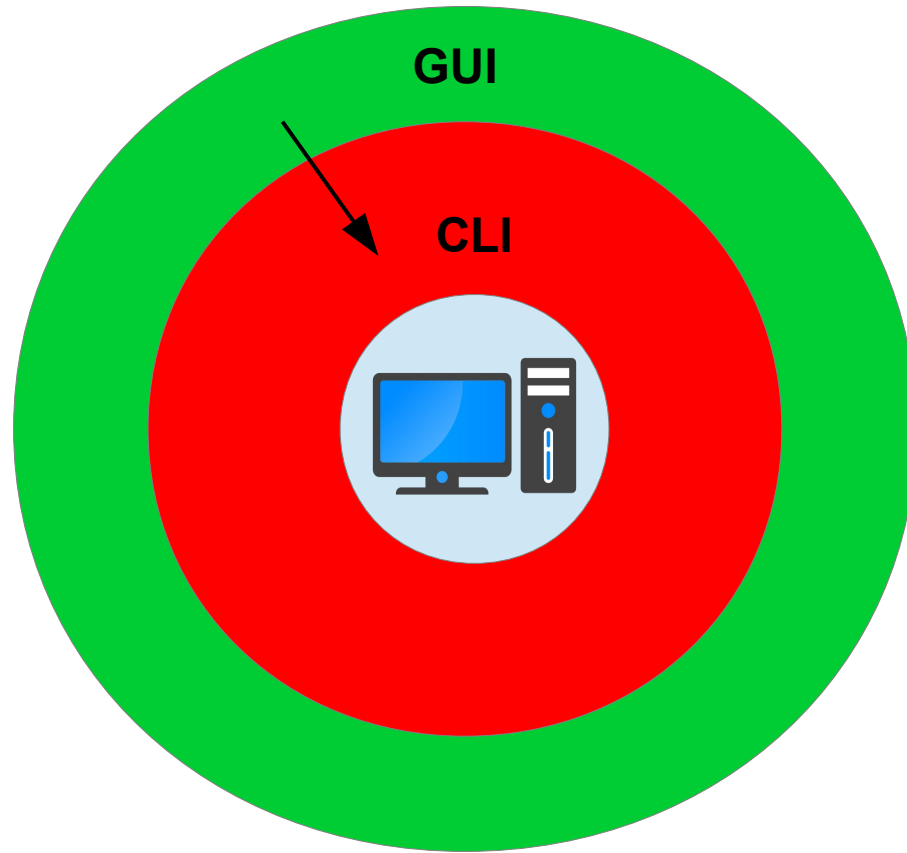
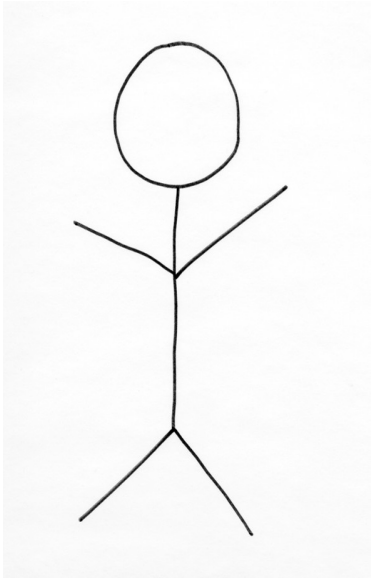


## Windows

- Command Prompt/DOS (accessed via Command Prompt)







# (Why Bash?)

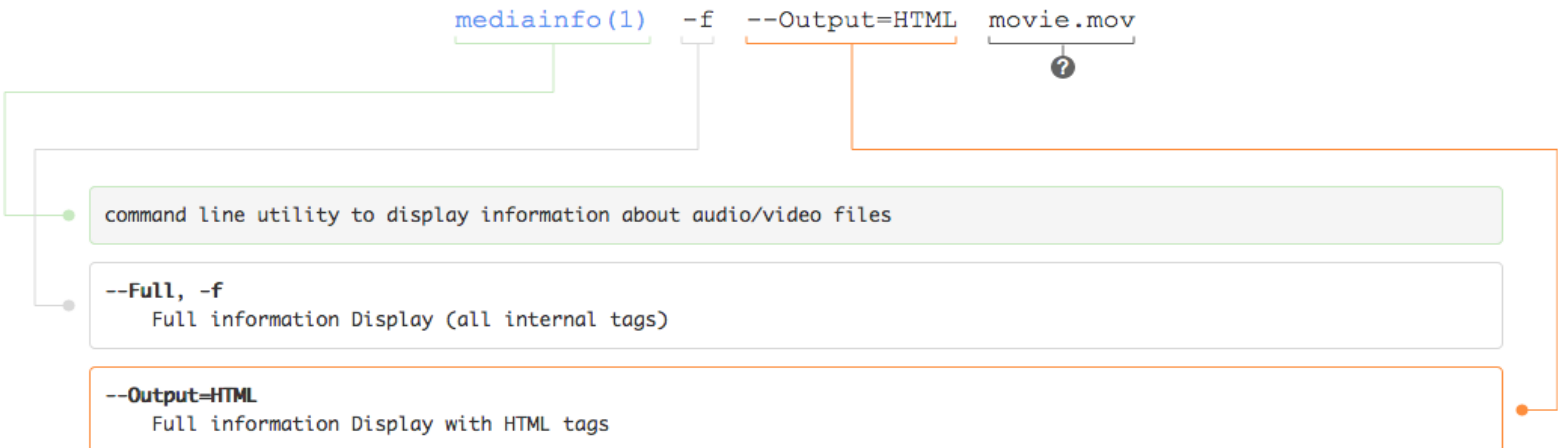
- Support
- Security
- Simplicity



# Speaking Bash

\$ command [instructions/options/flags] [arguments]

\$ mediainfo -f --Output=HTML movie.mov

`mediainfo(1)` `-f` `--Output=HTML` `movie.mov`  
? 

command line utility to display information about audio/video files

**--Full, -f**  
Full information Display (all internal tags)

**--Output=HTML**  
Full information Display with HTML tags

# Basic Navigation

- `ls`  
*list contents of a folder/directory*
- `cd`  
*change directory*
- `pwd`  
*print working (current) directory*
- `mkdir`  
*make a directory*

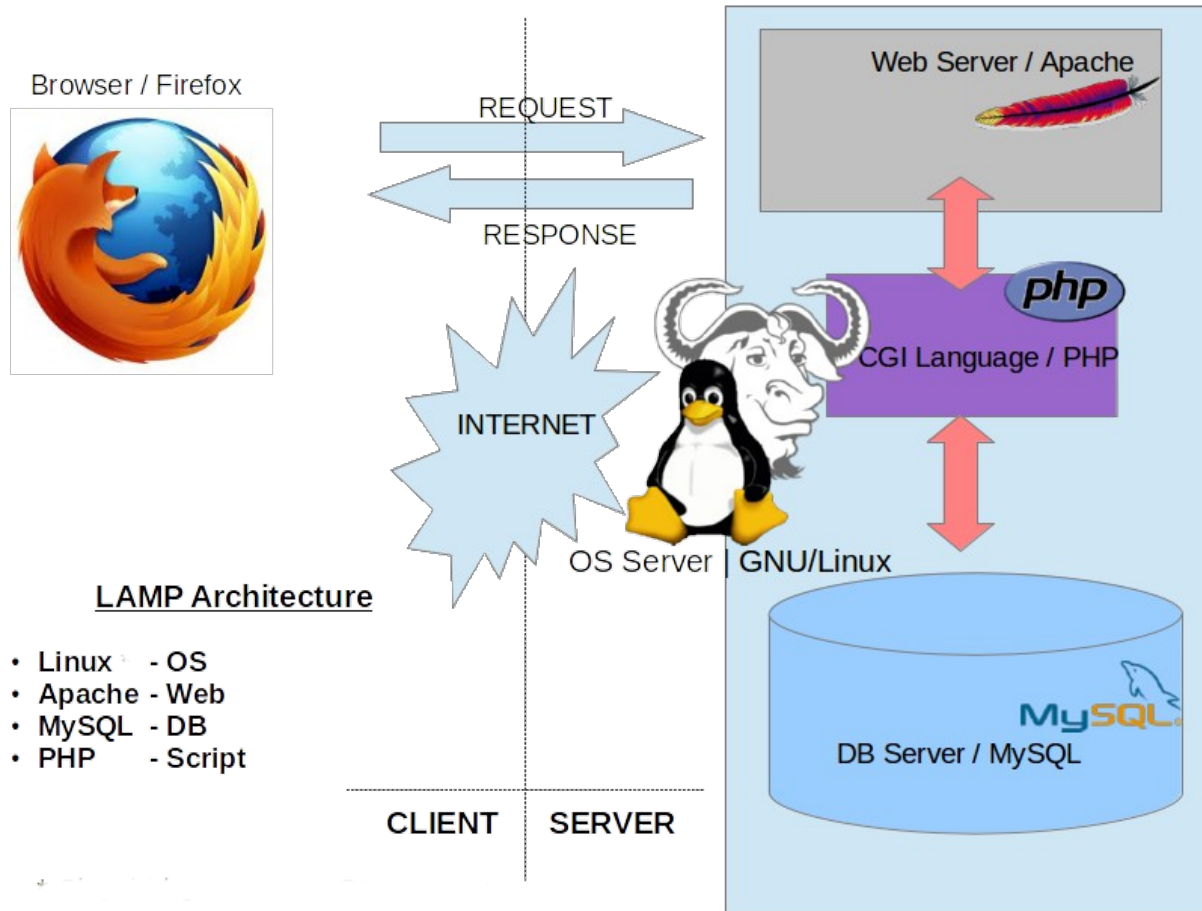
`.` = *current directory*

`..` = *one directory up*

`~` = *home directory*



# Server Stack



# Some resources!

- [explainshell.com](http://explainshell.com)
- Bash vs. DOS commands (handy-dandy translation table)
- Codecademy course: “Learn the Command Line”
- Programming Historian:  
Introduction to the Bash Command Line