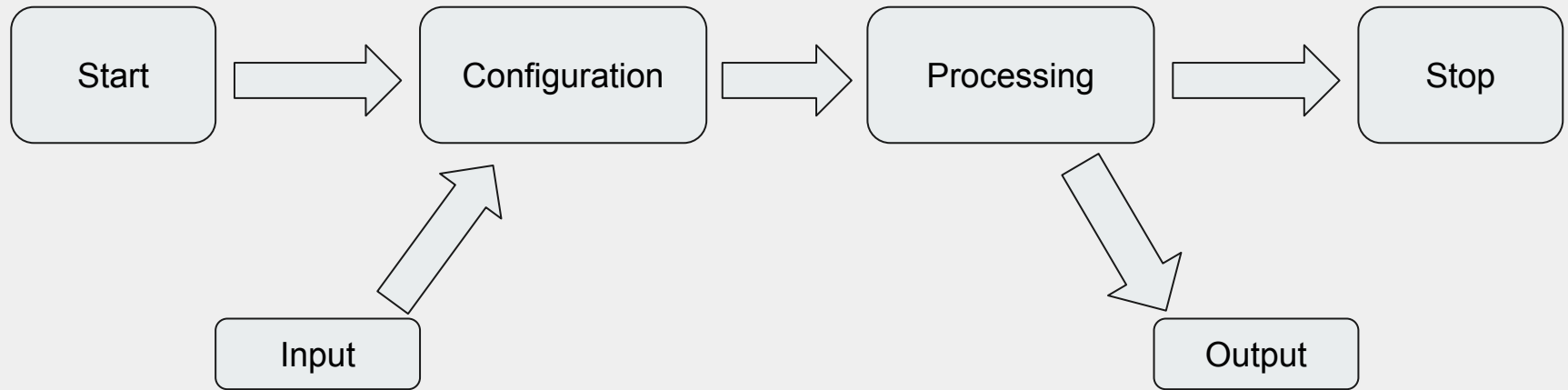


Инструменты для разработки CLI приложений на Go

Цимбалов Михаил

CLI Application Flow



Configuration

- Command line arguments
 - Environment variables (<https://12factor.net/config>)
 - External file/service
 - Interactive input
-
- Custom approach
 - Standart package (<https://golang.org/pkg/flag/>)
 - Third party packages

Custom Approach

- Command line arguments `os.Args`
- Environment variables `os.Environ`
- Config file json, xml, yaml...

<https://github.com/tmvrus/itgm-golang-cli/tree/master/configuration/custom>

Flag Package

- Command line arguments

<https://github.com/tmvrus/itgm-golang-cli/tree/master/configuration/flag>

Third Party Packages

- Command line arguments
<https://github.com/jessevdk/go-flags>
- Environment variables
<https://github.com/caarlos0/env>
- External file
<https://github.com/joho/godotenv>

<https://github.com/tmvrus/itgm-golang-cli/tree/master/configuration/package>

Input

- Interactive
github.com/manifoldco/promptui
- Stream processing

Output

- Stdout or file (external service)
- Colorized/Formatted
github.com/olekukonko/tablewriter
- UI featured
github.com/schollz/progressbar

<https://github.com/tmvrus/itgm-golang-cli/tree/master/inputoutput>

Terminate

- Happy path
- OS signal handling
- SIGTERM/SIGINT
- SIGKILL

<https://github.com/tmvrus/itgm-golang-cli/tree/master/signal>

All in one

- Go-commander
<https://github.com/yitsushi/go-commander>
- CLImax
<https://github.com/tucnak/climax>
- Cobra
<https://github.com/spf13/cobra>

<https://github.com/avelino/awesome-go#command-line>

Questions?