YeAST
Yet Another Shell Trick

Yvan SRAKA (yvan@sraka.pw)

October 26, 2018

Motivations

Shell scripts sucks

- ▶ The Shebang is not standard
- ▶ /usr/bin/env should be implicit

UNIX is everywhere but most of software are not KISS

- ▶ Developer use mainly POSIX environments, but not often follow the principle of writing simple programs doing simple task and combine them with pipe operator (writing big software is harder)
- ▶ Interoperability should not be reserved confirmed developers (writing FFI is time consuming)
- ▶ Many langages offer parrelism mecanism that aren't ensure safety (debugging datarace is awful)
- ▶ Build suites are often too complex, and not enought follow standard patterns

Idea

- Create a minimalist, declarative jobs langage
- Should be work with existant scripts

Implementation

- Actual main implementation is achieved is less than 50 lines of Rust code
- I start an alternative Haskell implementation (YWest) to enforce a simple standard

Great Future

- Let refactoring be a more progressive task
- Focus the usage of scripting langages to prototyping than production

Conclusion

- Try it : clone it from GitHub or install it with your default package manager :)
- Contribution are really welcomed in Kombucha and Palombe to extends the list of supported stacks

Thank's for your attention!