

A gentle introduction to picocli

Picocli : Star Wars edition

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Picocli : tiny library to create CLIs

"Every main method deserves picocli"

- Easy to use
- Rich command line applications
- For JVM languages

Picocli adoption



Why use a CLI?

- Simple interface
 - Nicer than Java call with input parameters
- Easy to interface with other terminal tools, or scripts
- Nice and clear man-like help interface

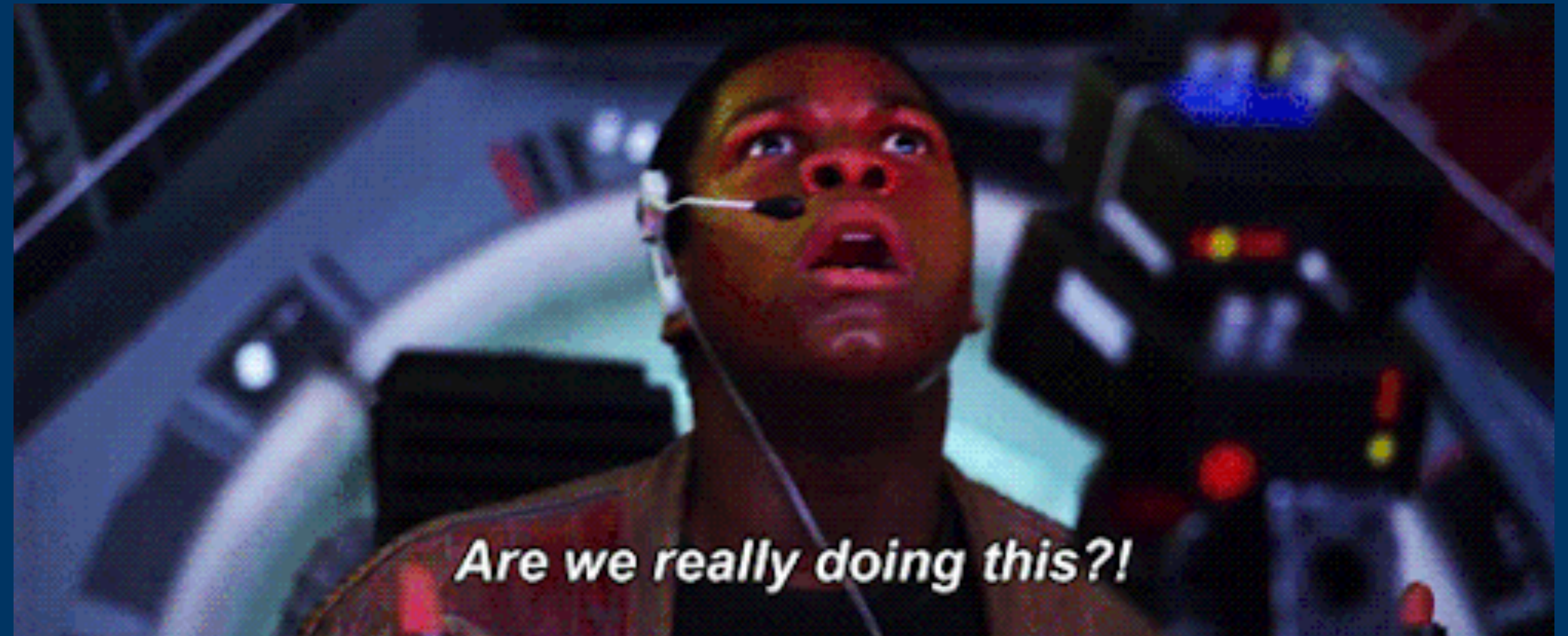
Why use a CLI ... in Java?!

- Most CLIs those days are done in Go or Python ?
- Because my codebase is already in Java
- And because I am productive in Java
 - And so is my team

Some nice features

- Tab completion, Support for Ansi colors and styles
- **Crazy good documentation**
- Multi-platform (Windows, Linux, ...)
- Auto generation of man documentation
- Annotation based, or programmatic APIs
- Kotlin, Groovy, ... support
- Support for native image compilation (GraalVM)

Demo Time !



Demo time!

- Freebies! (Version, help)
- Options and Parameters
- Subcommands
- Programmatic API

Conclusion

- Find a project that you reuse often
 - Performance tests
 - Upload to a server
 - ...
- Try native compilation (1.6s -> 0.03s)
- Have fun!

Resources

- PicoCLI website
- SwaCLI project on GitHub
- Quarkus Picocli guide
- Contact me :)

Thanks!

**See you @jlengrand or in the
ING chat room!**