



St. Louis Clojure

ClojureScript Introduction

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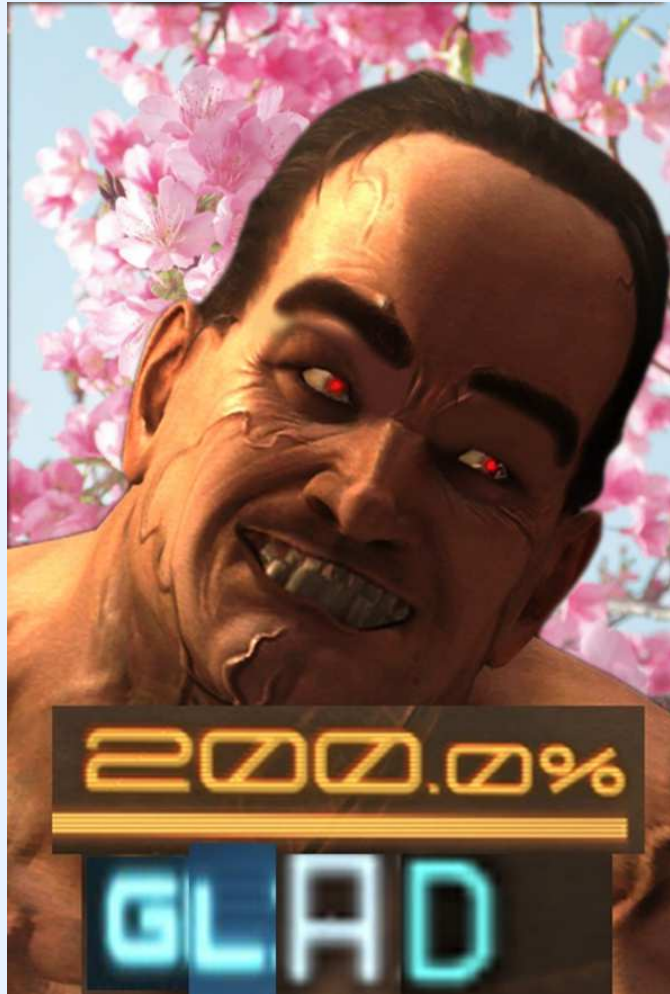
Why ClojureScript?

Have you ever seen JavaScript?



Why ClojureScript?

Have you ever seen Clojure?



How I'm going to do stuff.

- I'm using Leiningen for the projects:
<http://leiningen.org/>
- I'm using cljs-kickoff to template the project:
<https://github.com/konrad-garus/cljs-kickoff>
- That uses lein-cljsbuild:
<https://github.com/emezeske/lein-cljsbuild>
- And also lein-ring:
<https://github.com/weavejester/lein-ring>

ClojureScript History

1958 LISP

1969 ARPANET

1984 Common Lisp

1990 WWW

1994 Netscape Navigator

1995 JavaScript

2007 Clojure

2012? ClojureScript

cljs-kickoff

There is some real work to standing up the file structure for any Clojure project, and ClojureScript is no exception. That's where `cljs-kickoff`^a comes in: it sets up a minimal Leiningen template for ClojureScript with `lein-cljsbuild`.

```
$ lein new cljs-kickoff hello-world
```

^a<https://github.com/konrad-garus/cljs-kickoff>

cljs-kickoff

```
hello-world
├── project.clj
├── resources
│   ├── public
│   │   ├── css
│   │   │   └── page.css
│   │   └── help.html
└── src
    ├── cljs
    │   ├── hello_world
    │   │   └── server.clj
    └── cljs
        ├── hello_world
        │   └── client.cljs
```

lein-cljsbuild

Your beautiful ClojureScript code needs to be “*compiled*” (air quotes) into ugly JavaScript to actually work, and you can use `lein-cljsbuild`^a does that for you automatically whenever you change a relevant file.

On a dedicated shell session:

```
$ lein cljsbuild auto
```

^a<https://github.com/emezeske/lein-cljsbuild>

lein-ring

<https://github.com/weavejester/lein-ring>

Questions?