

# ClojureScript in action

July, 2017



# Agenda

Meet ClojureScript!

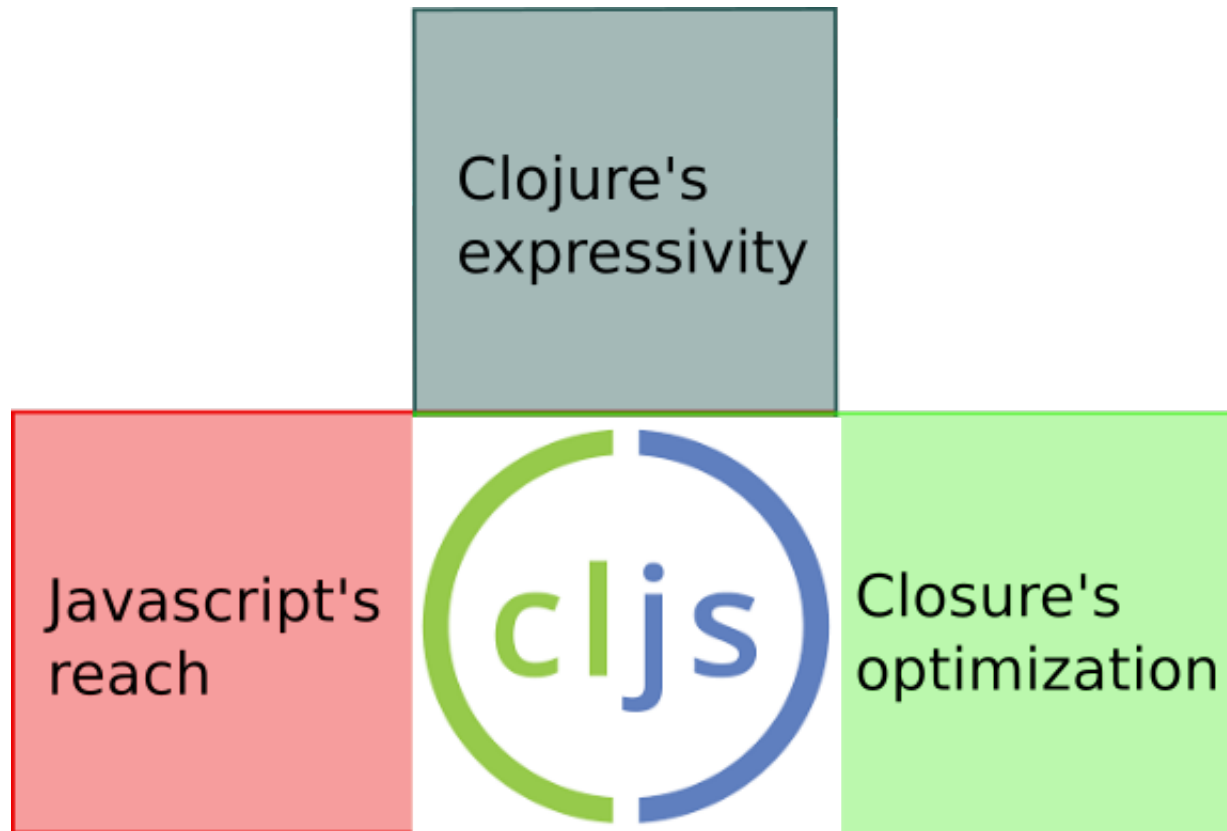
Working environment setup

Hello world project



A compiler for Clojure that targets JavaScript

# ClojureScript's key benefits



# Clojure goodies

Rich data structure set

Functional programming

Macros

Reader

Destructuring

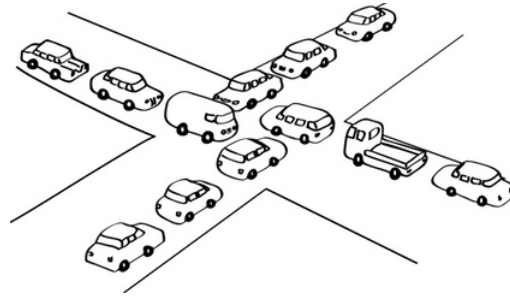
Polymorphism constructs

State discipline

# ClojureScript vs. Clojure



Platform hosting



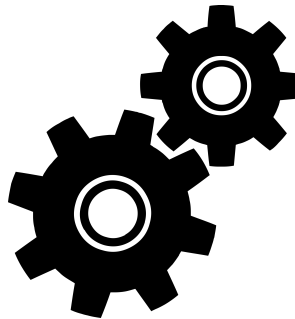
Concurrency



Reader



Macros



Compilation



Working environment setup

# Requirements



Nice to have:





# Project templates - Features

Project structure in place

Incremental Cljs compilation

Live reloading JS/CSS

Browser REPL

Support for adding optional libs (om, reagent, ...)

With/without server side support

# Project templates - Tools

## Boot project template: tenzing

```
$ lein new tenzing hello-world +reagent
```

## Leiningen project template: figwheel

```
$ lein new figwheel hello-world -- --reagent
```

# JS Libraries

JavaScript libs repository made accessible from CLJS

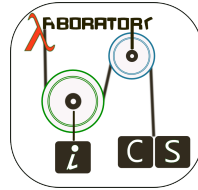
<http://cljsjs.github.io/>

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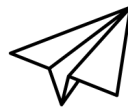
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# Thank you!



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