



# St. Louis Clojure

## The Pedestal Web Application Framework

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**We write Clojure at The Climate Corporation,  
and we're hiring! Come work with us!**



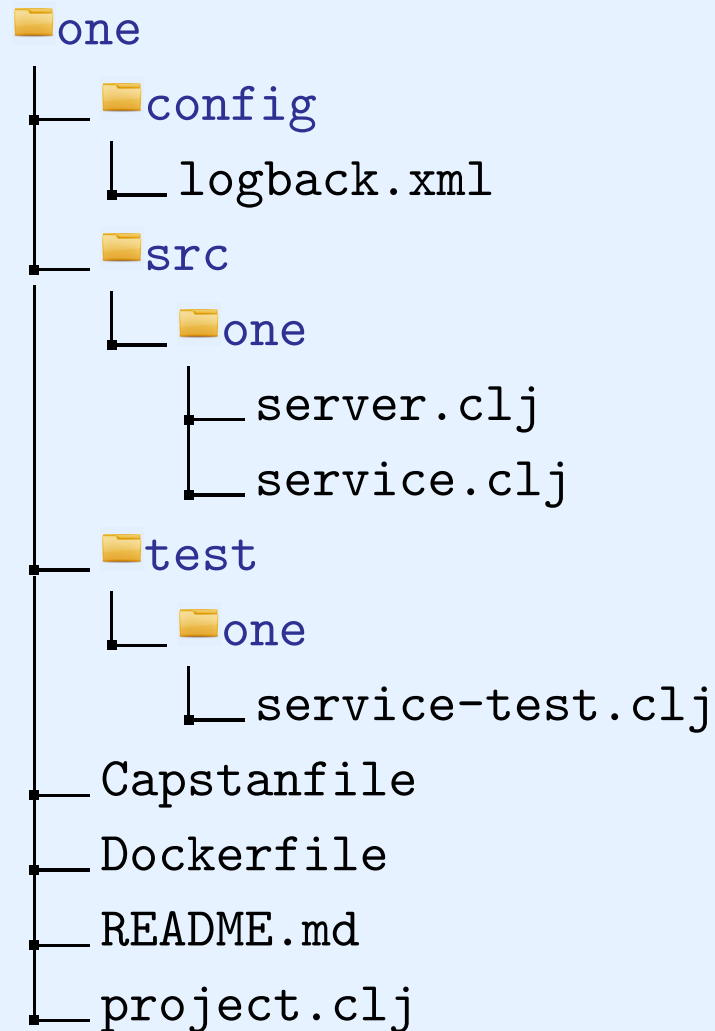
Especially now that Bayer is buying us!



## Building out a brand new pedestal app.

```
lein new pedestal-service one
```

## What did that make for us?



## How do we use this?

- Run the application: `lein run`
- View it at `http://localhost:8080`
- REPL: `lein repl`
- Build an uberjar: `lein uberjar`
- Build a docker image: `sudo docker build -t one .`
- Run the docker image: `docker run -p 8080:8080 one`

I had to update my Java version, and my JDK version, to get this to work.



## Where do we start?

- `lein run` runs:
- `project.clj :main` which runs:
- `one.server/-main` which calls:
- `(server/start runnable-service)` which is defined as:
- `(server/create-server service/service)`
- Which is a hashmap for the service.



## The Service Definition

```
1 { :env :prod
2   ::http/routes routes
3   ::http/resource-path "/public"
4   ::http/type :jetty
5   ;; ::http/host "localhost"
6   ::http/port 8080
7   ;; Options to pass to the container (Jetty)
8   ::http/container-options { :h2c? true
9                               :h2? false
10                              :ssl? false }}
```

## The Routes Definition

```
1 #{["/"
2   :get
3   (conj common-interceptors `home-page)]
4  ["/about"
5   :get
6   (conj common-interceptors `about-page)]}
```

## The /home Page

```
1 (defn home-page  
2   [request]  
3   (ring-resp/response "Hello␣World!"))
```

*Let's Explore!*