

Clojure 1 Fundamentals

Getting Started with Clojure



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Clojure

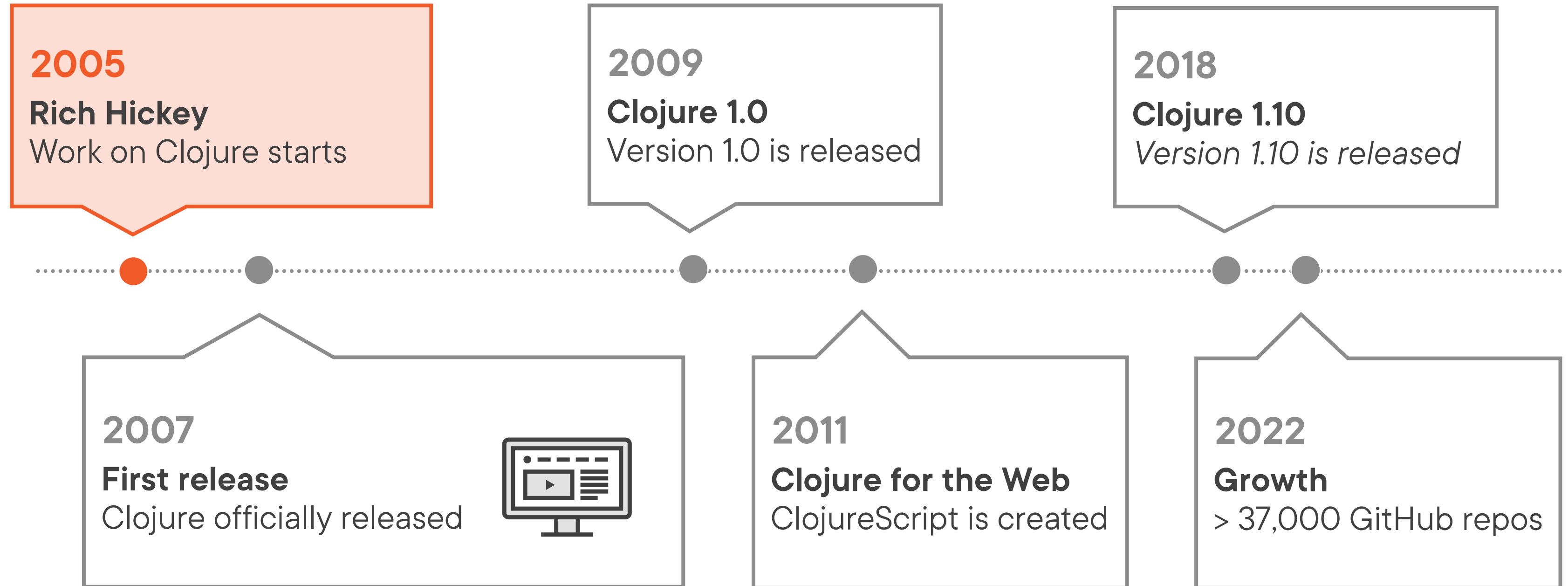
Clojure is a dynamic, general-purpose programming language, combining the approachability and interactive development of a scripting language with an efficient and robust infrastructure for multithreaded programming.



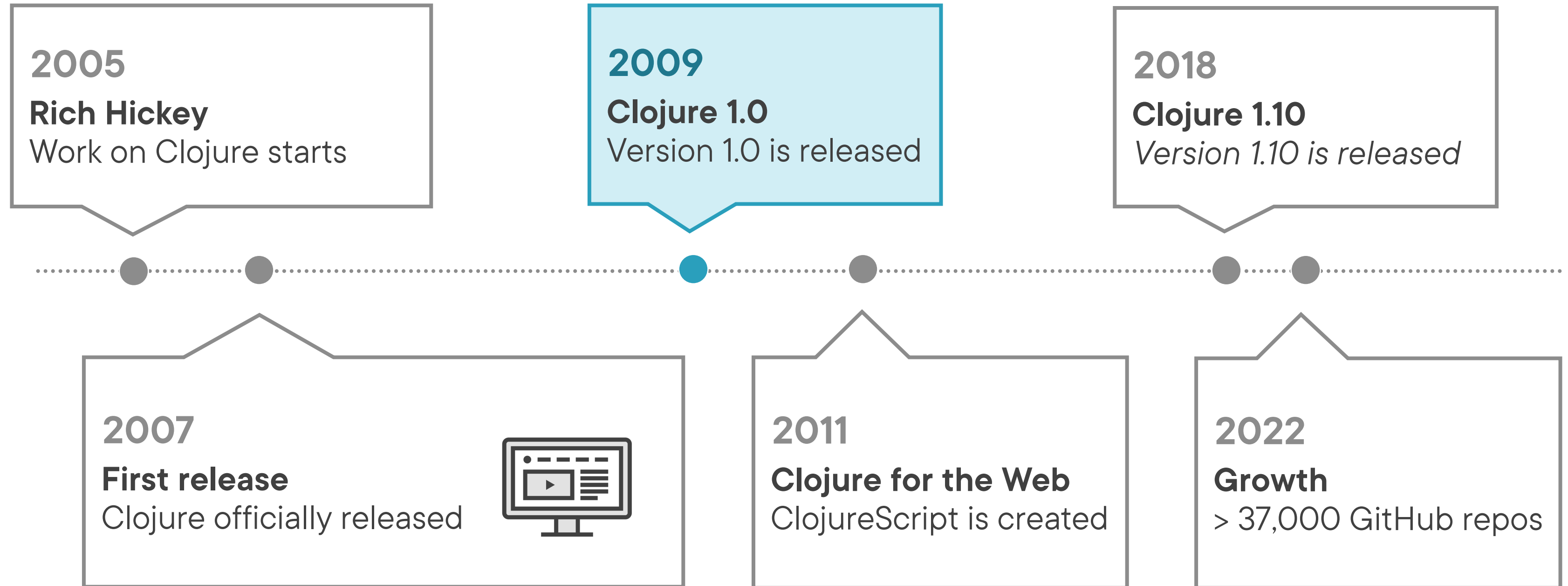
Clojure is a functional programming
language for the JVM



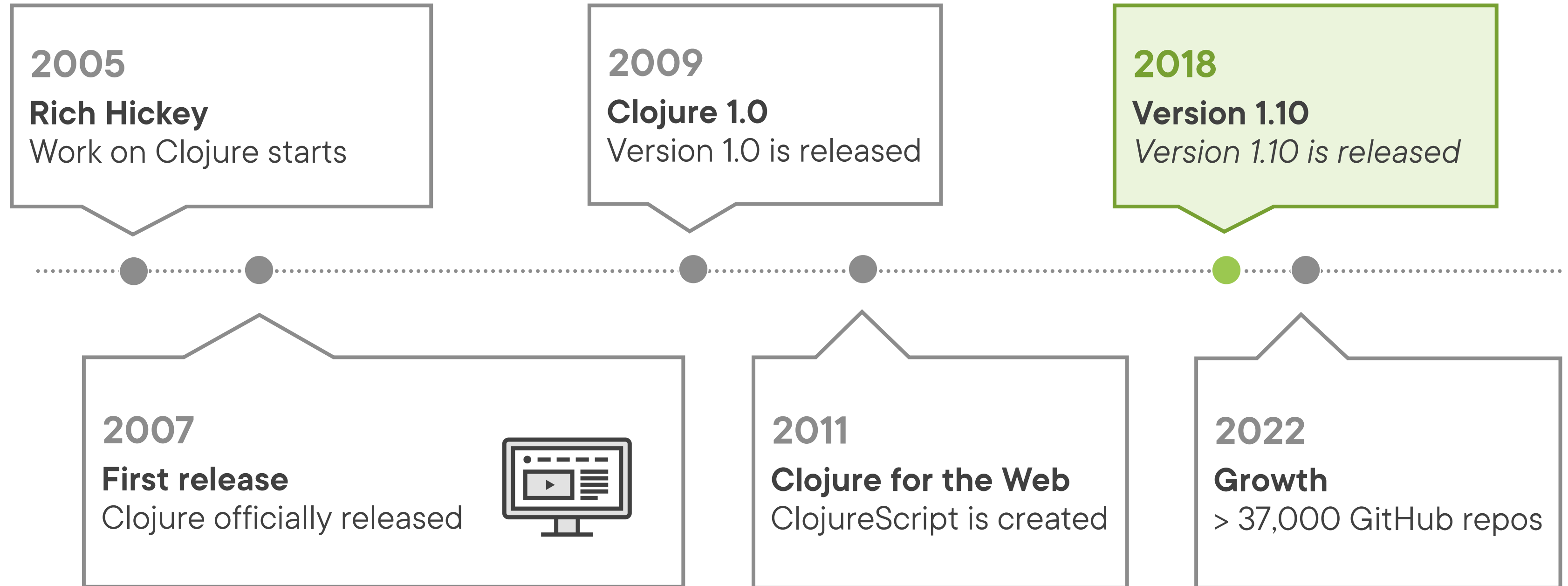
History of Clojure



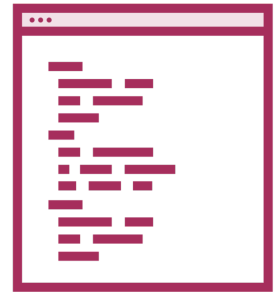
History of Clojure



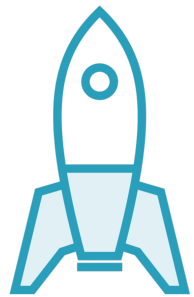
Timeline of Events with Fade Transition



Key Features



Functional programming



Dynamic development



Concurrency



JVM hosted



Course Breakdown

What this course is

Focus on the fundamentals

Learn to be productive

What this course is not

A tour of functional programming

A course on Java interop

Advanced deep dive of Clojure



Why Clojure?



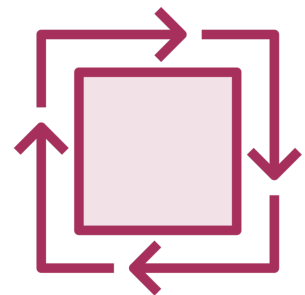
Clojure Benefits



Functional programming



Simple syntax



Parallel processing



Flexible target environment



```
;; This function is used to say hello!
```

```
(defn say-hello []  
  (println "Hello World"))
```

```
(say-hello)
```

A First Look at Clojure Code

The code above defines a function that, when called, prints “Hello World” to the console.

Easy to get productive!



Demo



Documentation intro

Install Clojure

Visual Studio Code and Clojure

- Write some Clojure code
- Execute a simple expression

