

INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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Clojure Course

Introduction to Clojure

- What is Clojure?
- Objectives
- Syntax

Install Clojure

- Mac OS Instructions
- Linux Instructions
- Windows Instructions
- Prerequisite Installation Details

Editors

- Emacs
- IntelliJ
- VS Code
- Vim

Structural Editing

- What is Structural Editing?
- Balanced Forms
- Navigation and Selection
- Cut/Paste
- Slurping and Barfing
- Splicing and Raising

- Parinfer

Clojure Functions

- Creating Functions
- Applying Functions
- Locals and Closures
- Java Interop

Sequential Collections

- **Vectors**
 - Indexed Access
 - Count
 - Constructing
 - Adding Elements
 - Immutability
- **Lists**
 - Constructing
 - Adding Elements
 - Stack Access

Hashed Collections

- Sets
- Maps
- Application Domain Information

Flow Control

- Statements Vs Expressions
- Flow Control Expressions
- Iteration for Side Effects
- Clojure's for
- Recursion
- Exceptions

Namespaces

- Namespaces and Names

- Declaring Namespaces