

**Course title:**

Event Store Implementation

**Participants will:**

1. Gain a fundamental understanding of Event Sourcing and how to implement it with the Event Store.
2. Leverage the projections system in the Event Store to be able effectively index and report off of time series data (event streams).

**Programme:**

## Day 1

- What is Event Sourcing (Theory)
- Introduction to an Event Store (Theory)
- Getting a Simple Project Up and Running With AtomPub (Exercise)
- Introduction to the Native API (Theory)
- Getting a Simple Project Up and Running With Native API (Exercise)
- Learning to Monitor/Manage an Event Store (Mixed) -> graphs/viewing data/etc
- Performance and Other Considerations (Theory)

## Day 2

- Projections (Theory)
- Hooking up the Event Store to External Projections (Exercise)
- Internal JS Projections (Theory)
- Writing a Basic Projection (Exercise)
- Writing More Advanced Projections (Exercise)
- Introducing "ForEach" and Categories (Mixed)
- Indexes (Theory)
- Combining Indexes and Projections (Mixed)

**Who is this course for?**

This class is applicable to developers or business analysts with knowledge of JavaScript and most beneficial to those with at minimum a cursory knowledge of Event Sourcing.

**Read/do before you attend:**

Reading Domain Driven Design by Eric Evans gives context to much of the material and can help in being able to more quickly understand information presented.

[http://domaindrivendesign.org/books/evans\\_2003](http://domaindrivendesign.org/books/evans_2003)