



Bachelor's Thesis in Computer Science and Media

How does an Event Sourcing architecture compare to CRUD systems with an independent audit log, when it comes to scalability, performance and traceability?

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Ehrenwörtliche Erklärung

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1 Introduction

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- 1.4 Structure of the paper

2 Basics

- 2.1 Layered Architecture Foundation (CRUD)
- 2.2 DDD Architectural Foundations
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 - 2.3.1 Why is traceability a business requirement
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 - 2.3.3 Event Streams
 - 2.3.4 Rebuilding state from an audit log and an event stream
- 2.4 Event Sourcing and event-driven architectures
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3 Related Work

4 Proposed Method

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5 Implementation 3

- 5.1 CRUD implementation
- 5.2 ES/CQRS implementation
- 5.3 Infrastructure