

## RESEARCH SUMMARY

Title: Event-Sourced Architecture Patterns

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### Abstract:

This paper explores event sourcing patterns in modern distributed systems. Event sourcing provides audit trails, temporal queries, and replay capabilities.

### Key Findings:

1. Event sourcing enables complete audit history
2. CQRS complements event sourcing well
3. Snapshots optimize read performance
4. Schema evolution requires careful planning

### Conclusion:

Event sourcing is valuable for systems requiring strong auditability and temporal reasoning capabilities.

Topics: architecture, event-sourcing, CQRS, distributed-systems