Event Sourcing on the JVM



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Presentation: "Scaling Domain Driven Design"

Track: Architecture Quality (day 2)

Time: Thursday 16:00 - 17:00

Location: Metropolitan I

Abstract: We've all heard about Domain Driven Design (DDD), but have you seen it applied in a large system? In the session you'll see how DDD was put to work to help design a high performance application processing 2000 sustained transactions per second with over 30GB of data added daily! It was DDD and the new 'Asynchronous Context Mapping' pattern that made this system possible with near linear scaling. Learn how to apply these techniques in your applications and how to overcome the challenges of DDD, such as reporting. This session makes large scale DDD make sense.

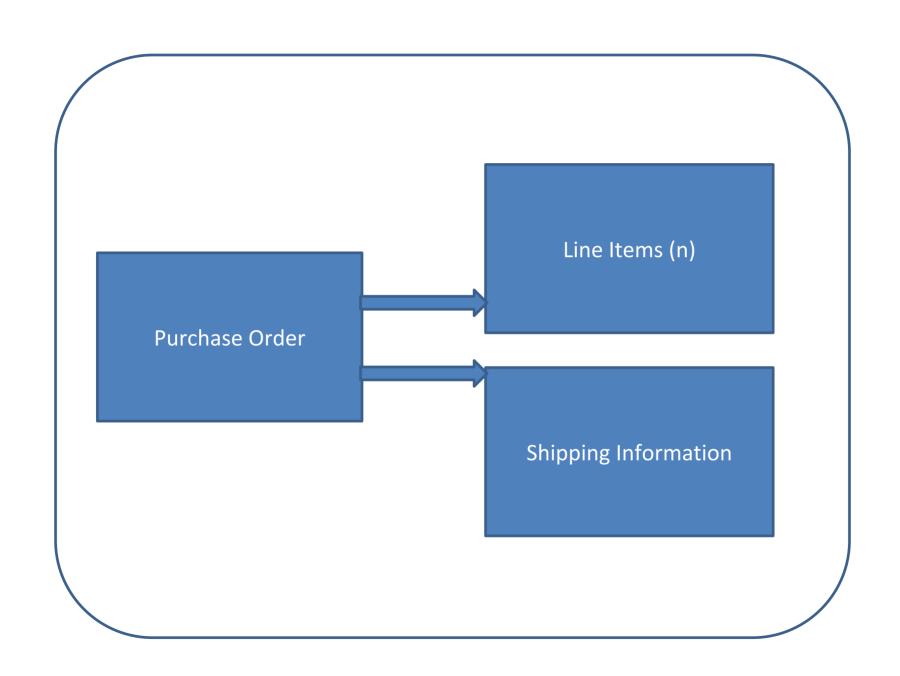
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Greg Young, IMIS



writing articles for InfoC throughout the south ea northwest, or floating up kavak.





Cart Created

3 Items Added Shipping Information Added



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1Item
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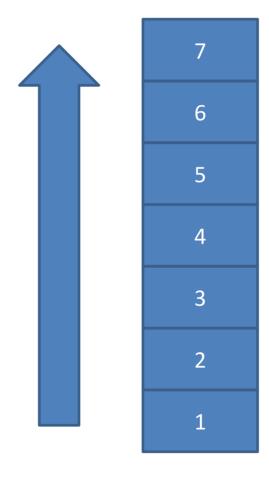
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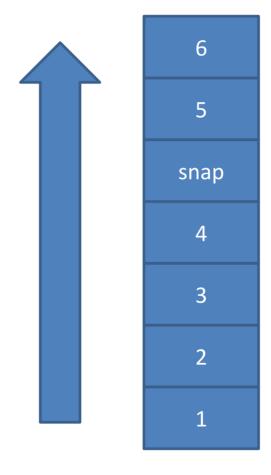






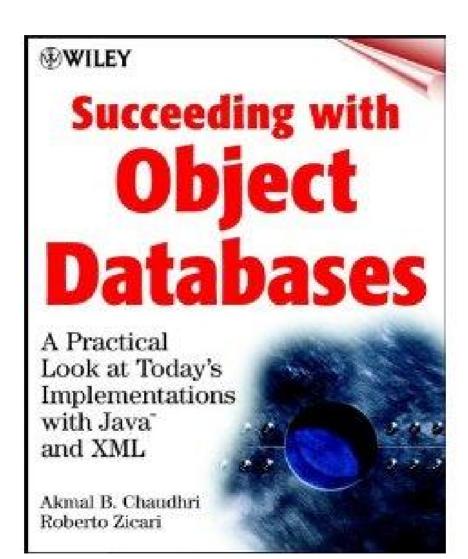
Just functional code.



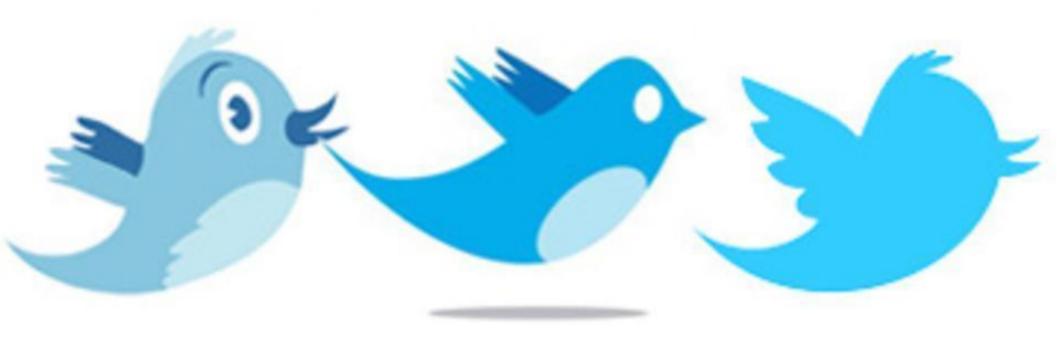




There is no "best" storage.



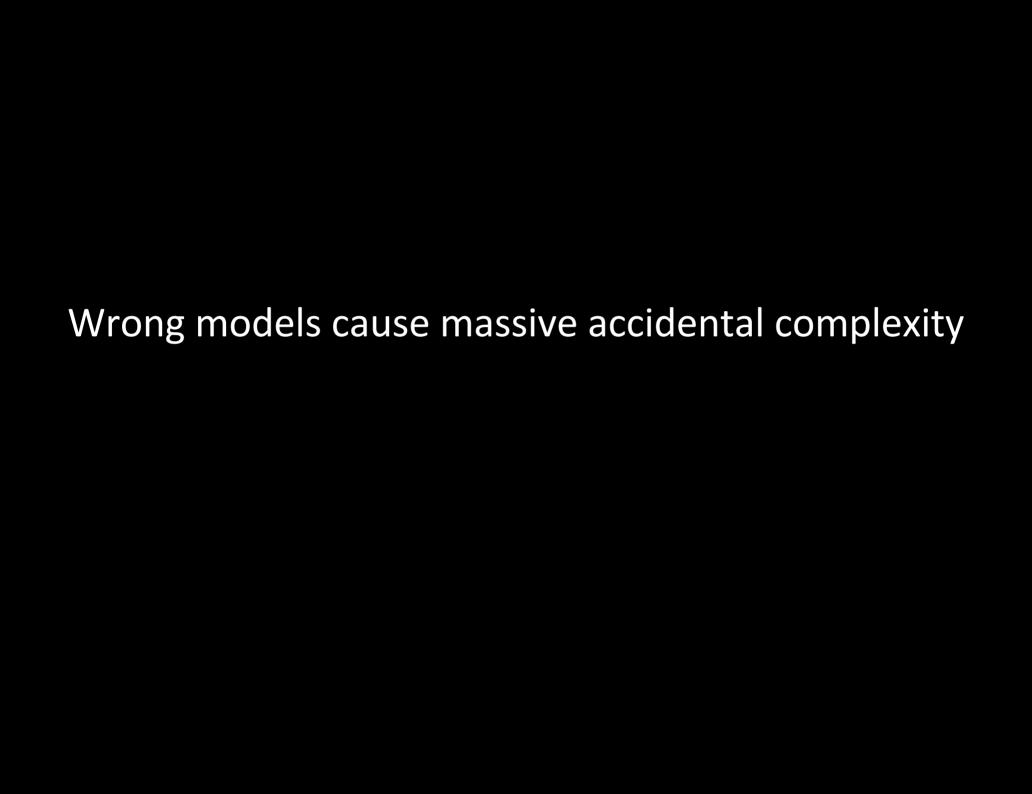
A single data model is almost never appropriate. 3+ is common!



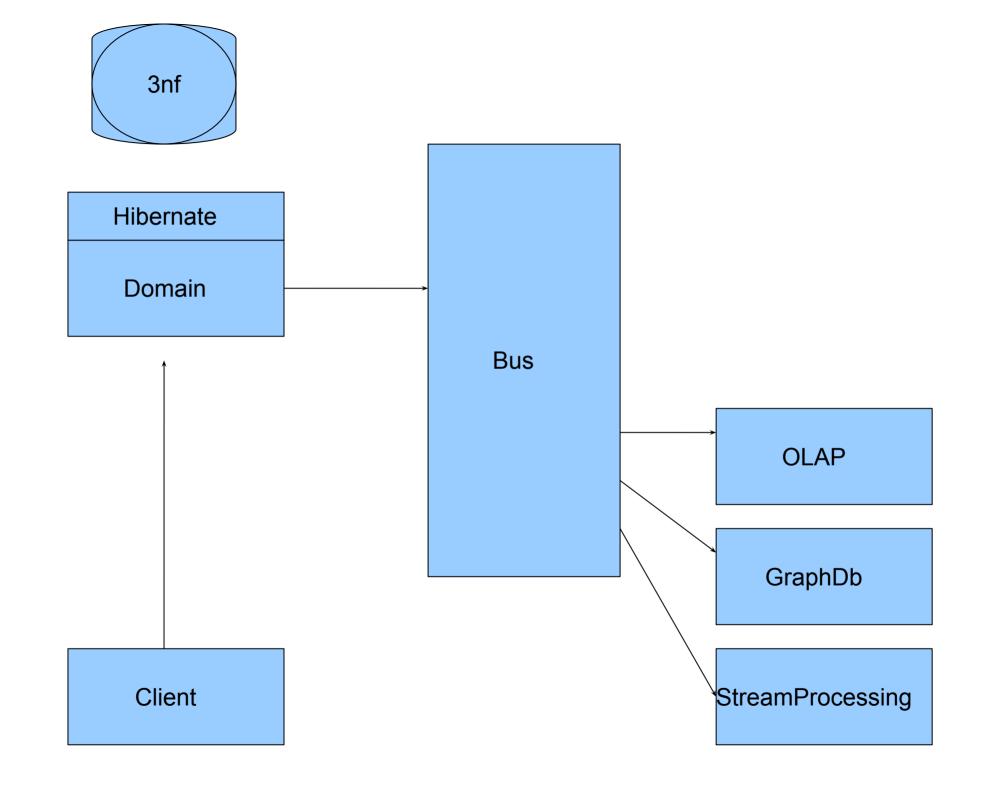
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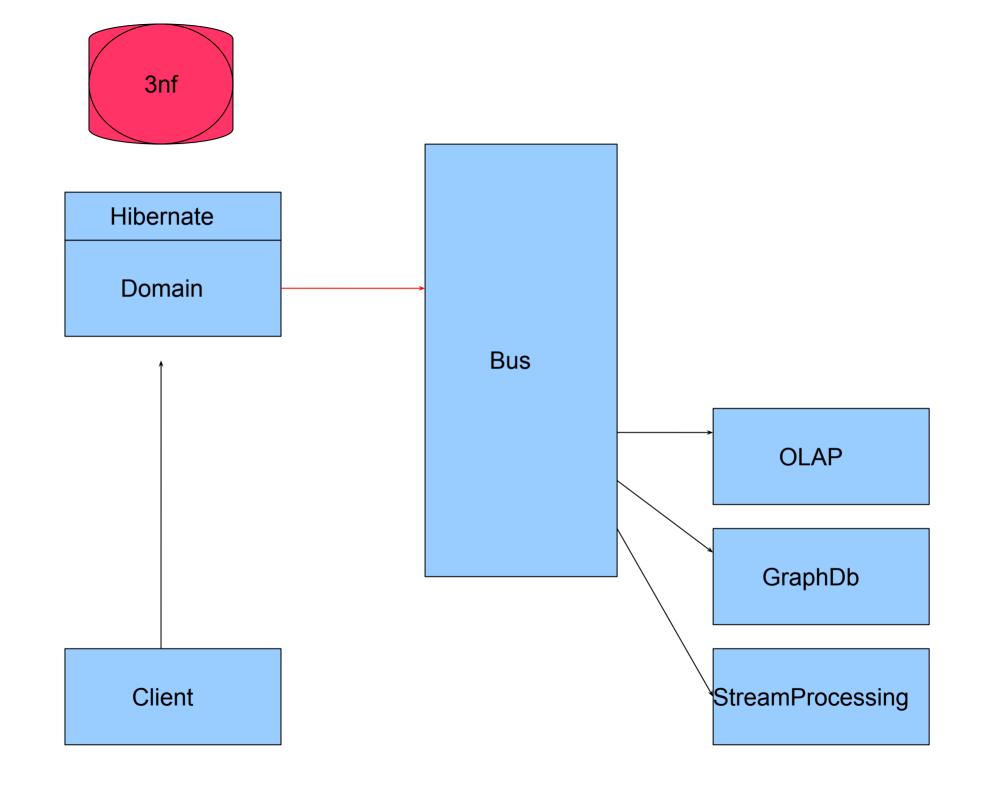
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2	1	Child1
3	1	Child2

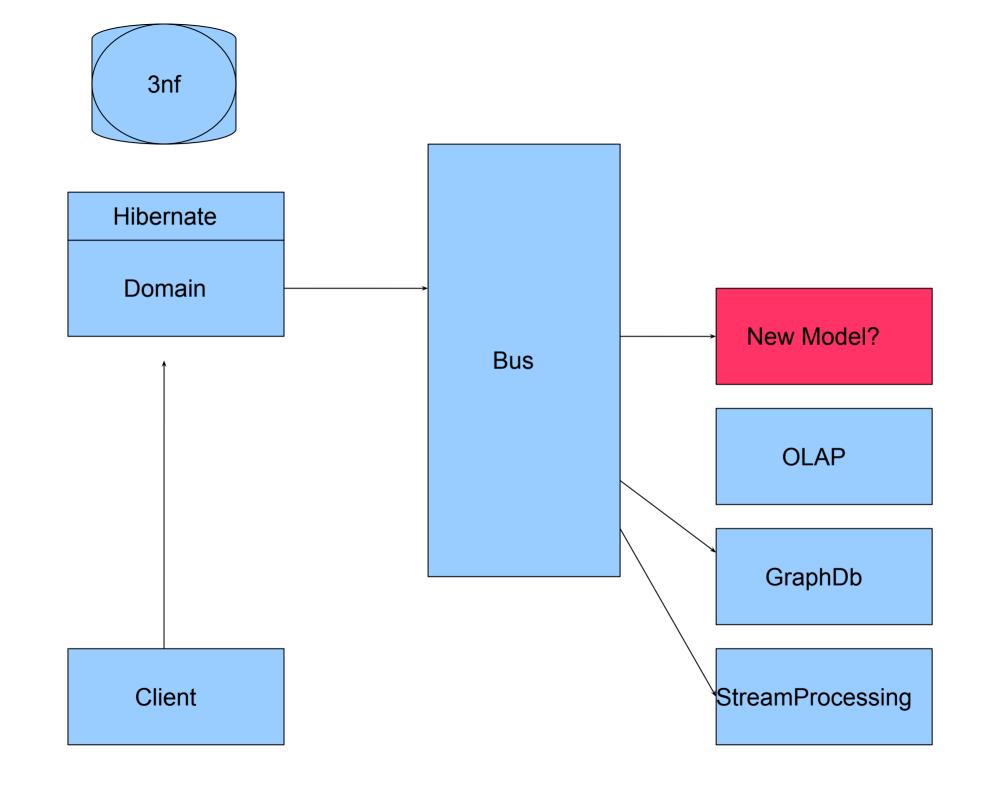
ld	ParentId0	ParentId1	ParentId2	ParentId3	ParentId4	Data
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2	1	0	0	0	0	Child1
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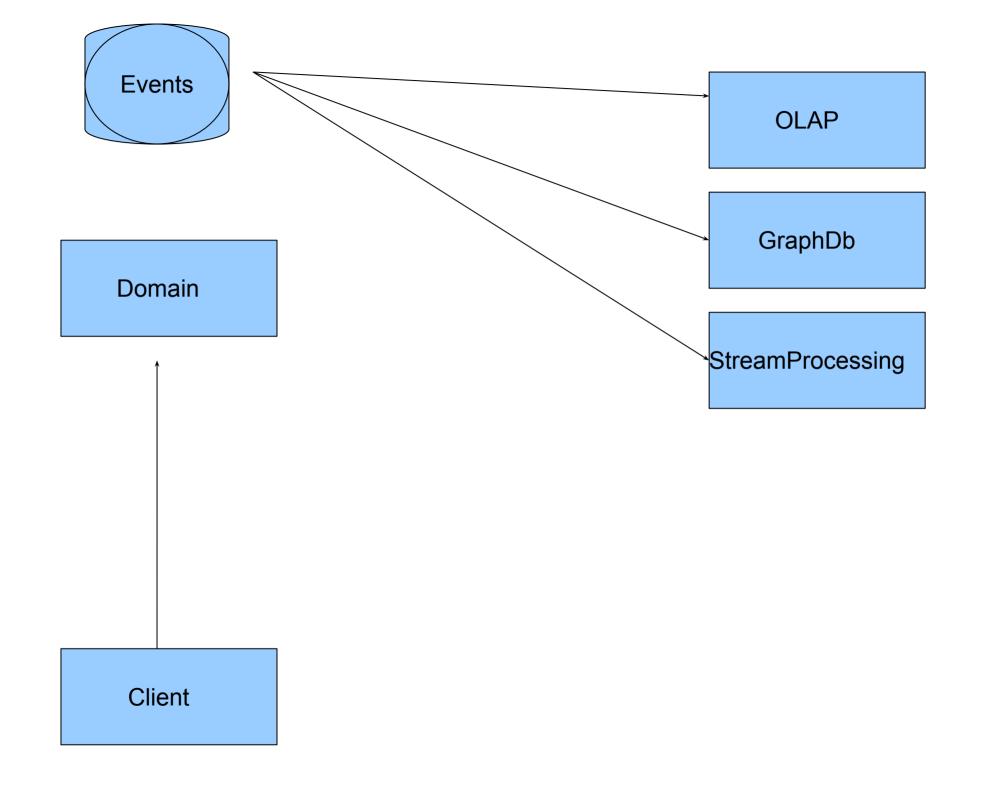


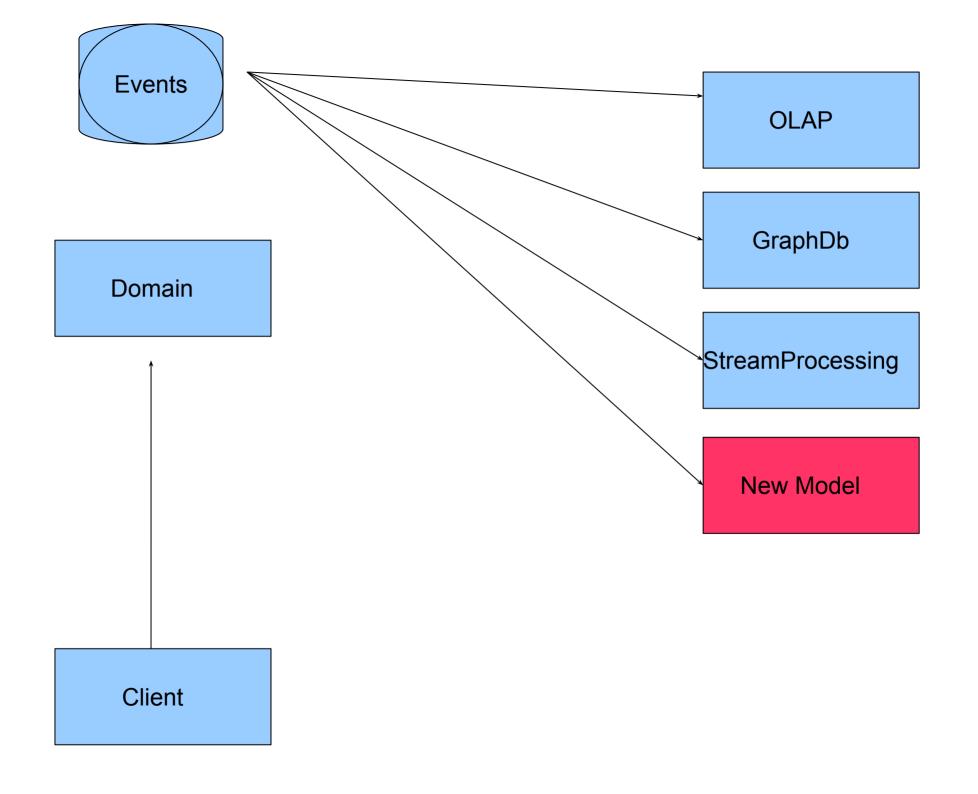
A queue with 'infinite history' allows new models to easily be brought online and to sync



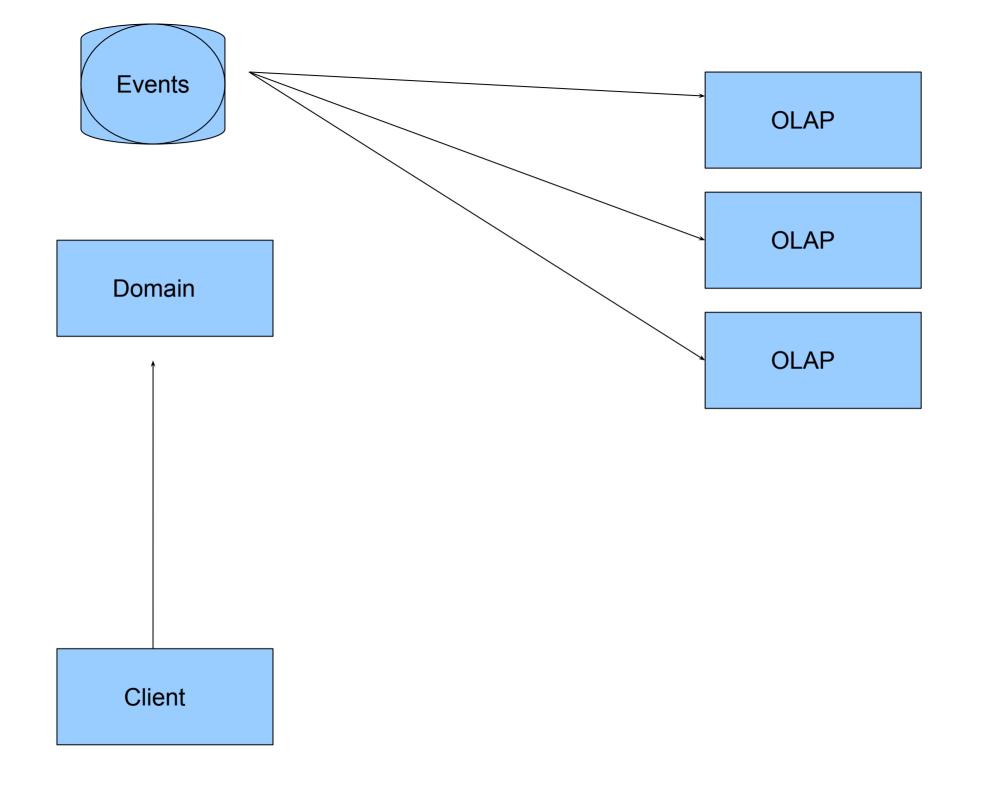


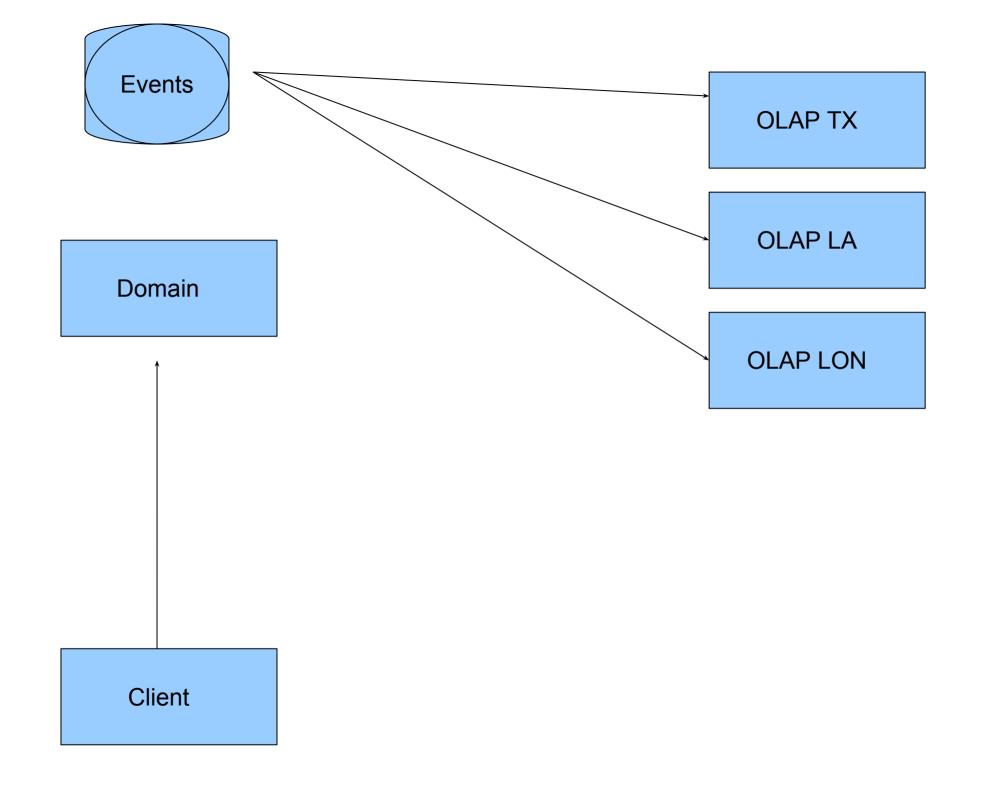






Multiple models simplify many things!





Projection : Handles<Message1>,
Handles<Message2>

The framework/tool space is confusing.

Kafka

EventStore (GetEventStore)

Axon event stores

Eventuate

Axon framework

Akka.Persistence

Axon framework

Concurrency?

Reactive Streams?

Prediction: More to come

Lots of choices!

