



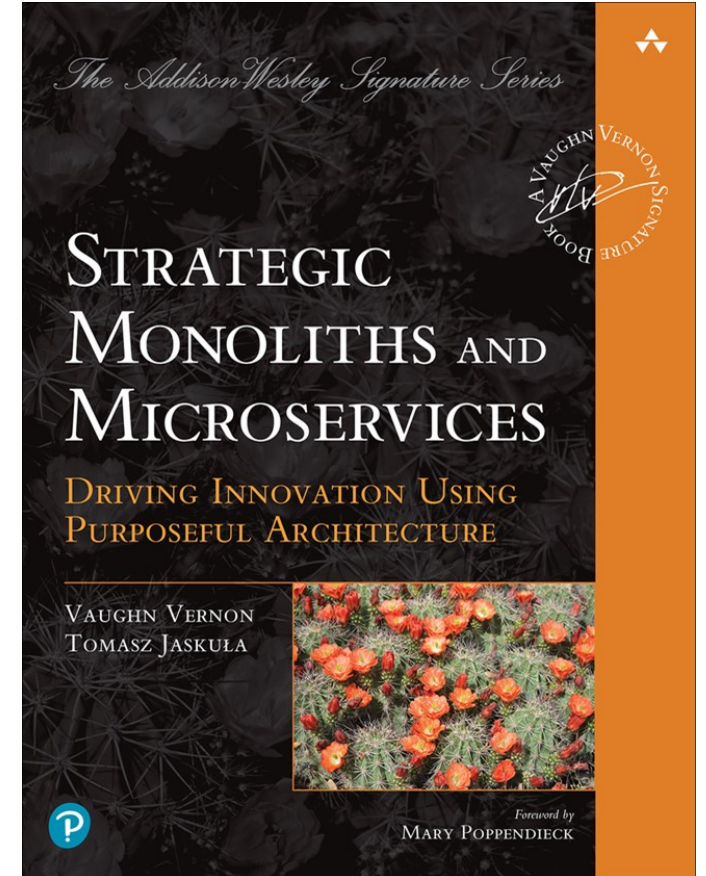
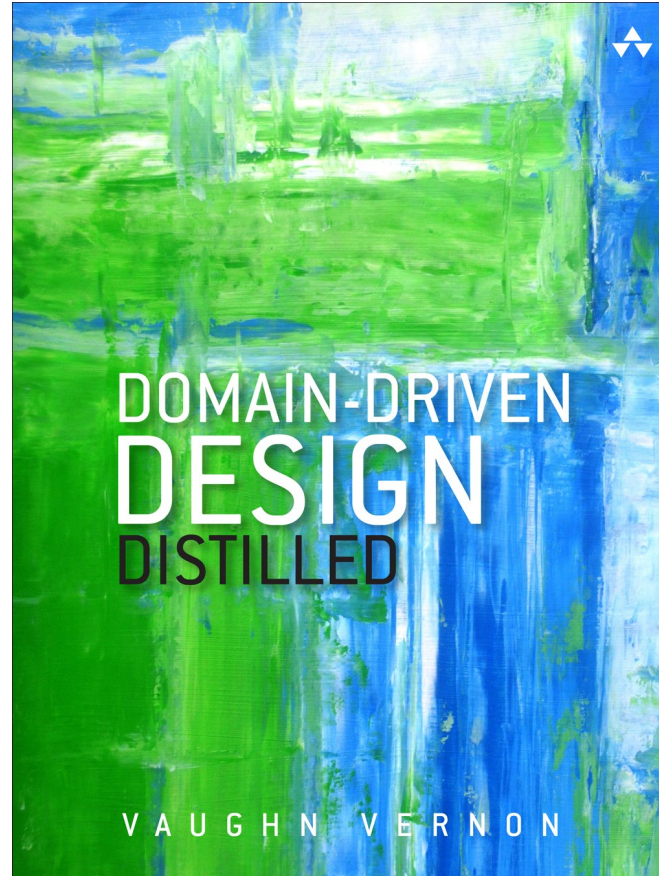
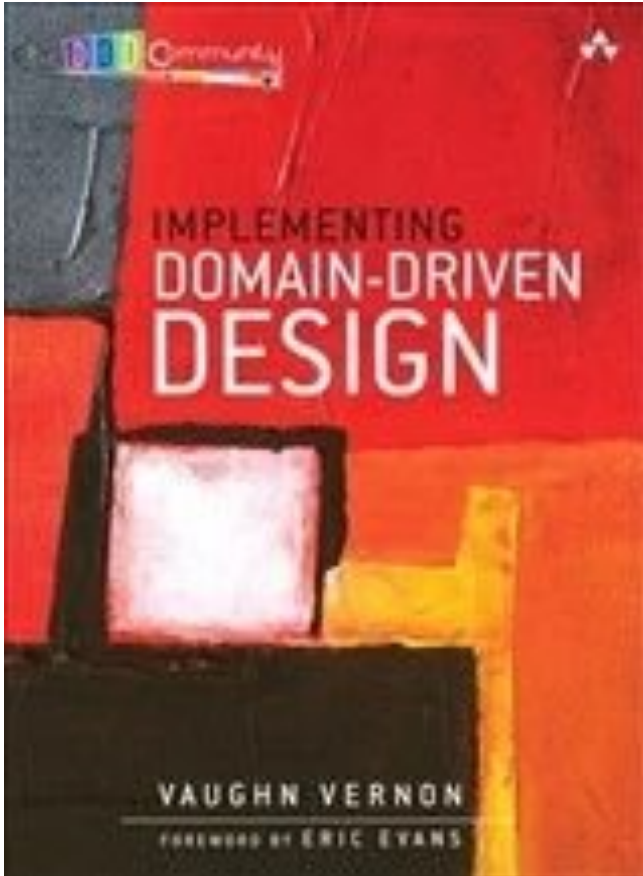
This Is Your Agent on Domain-Driven Design

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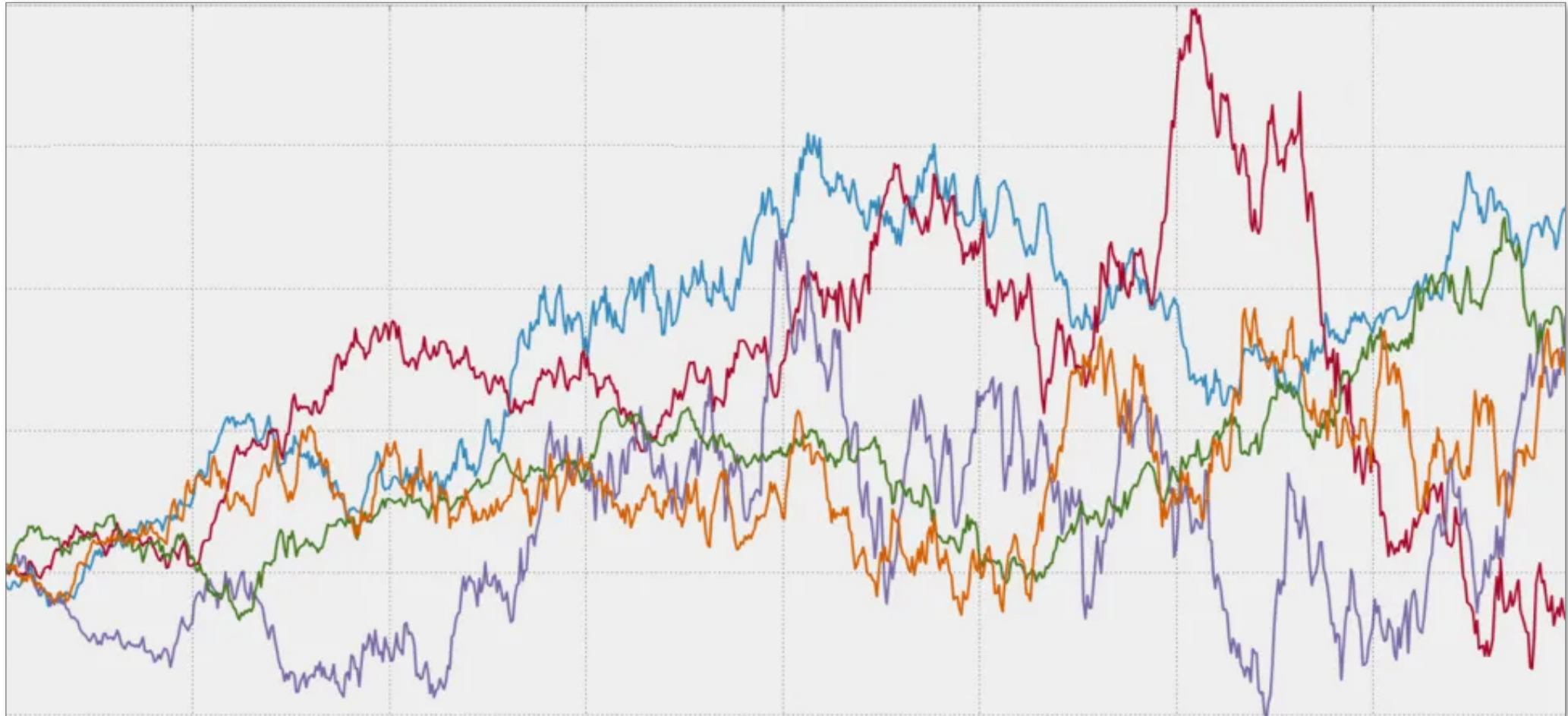
Vaughn:
Software Ecologist,
Architect, and
Modeler



Author



Probabilistic and Nondeterministic



SAFe



Cost
Controlled



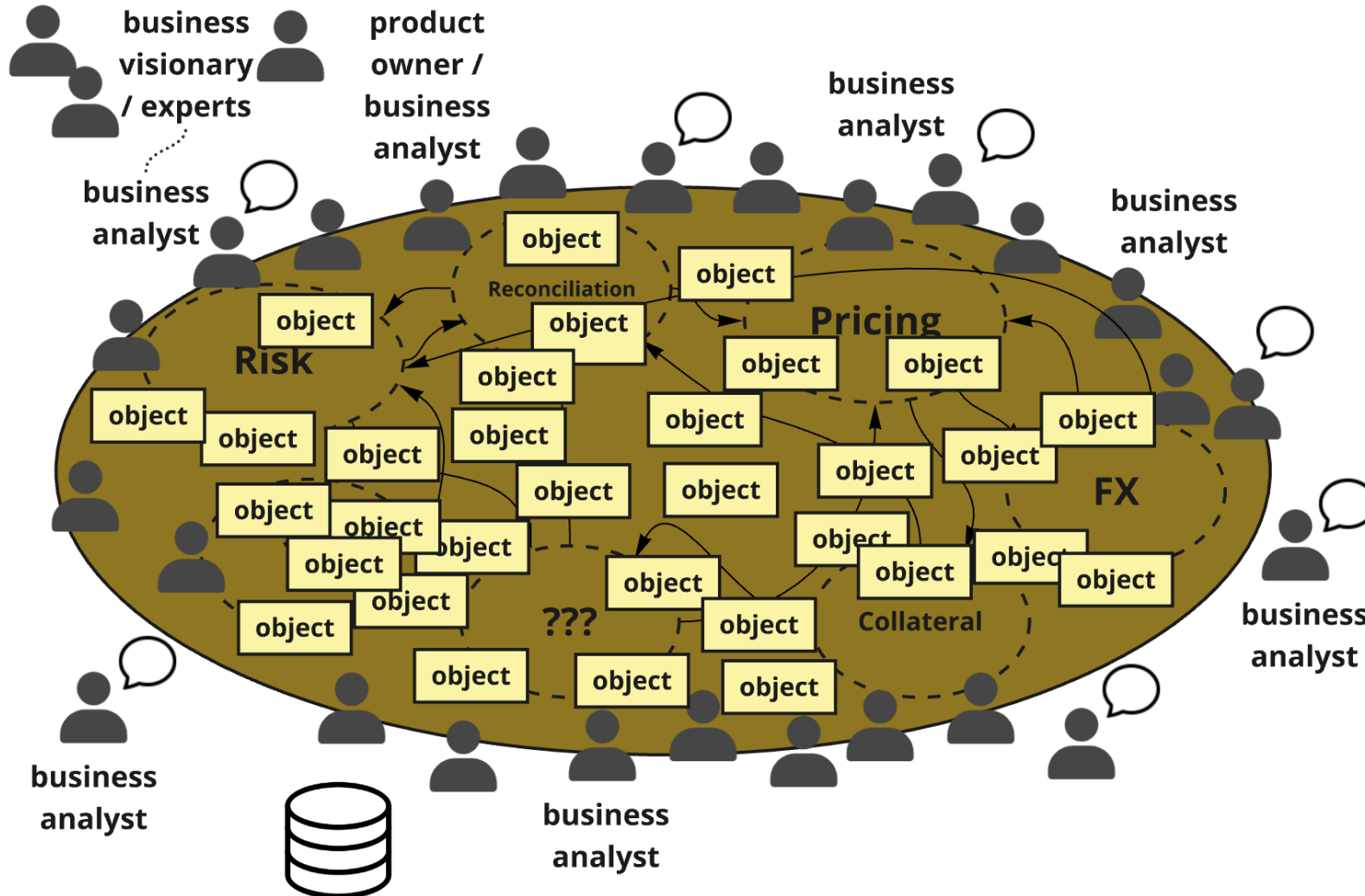


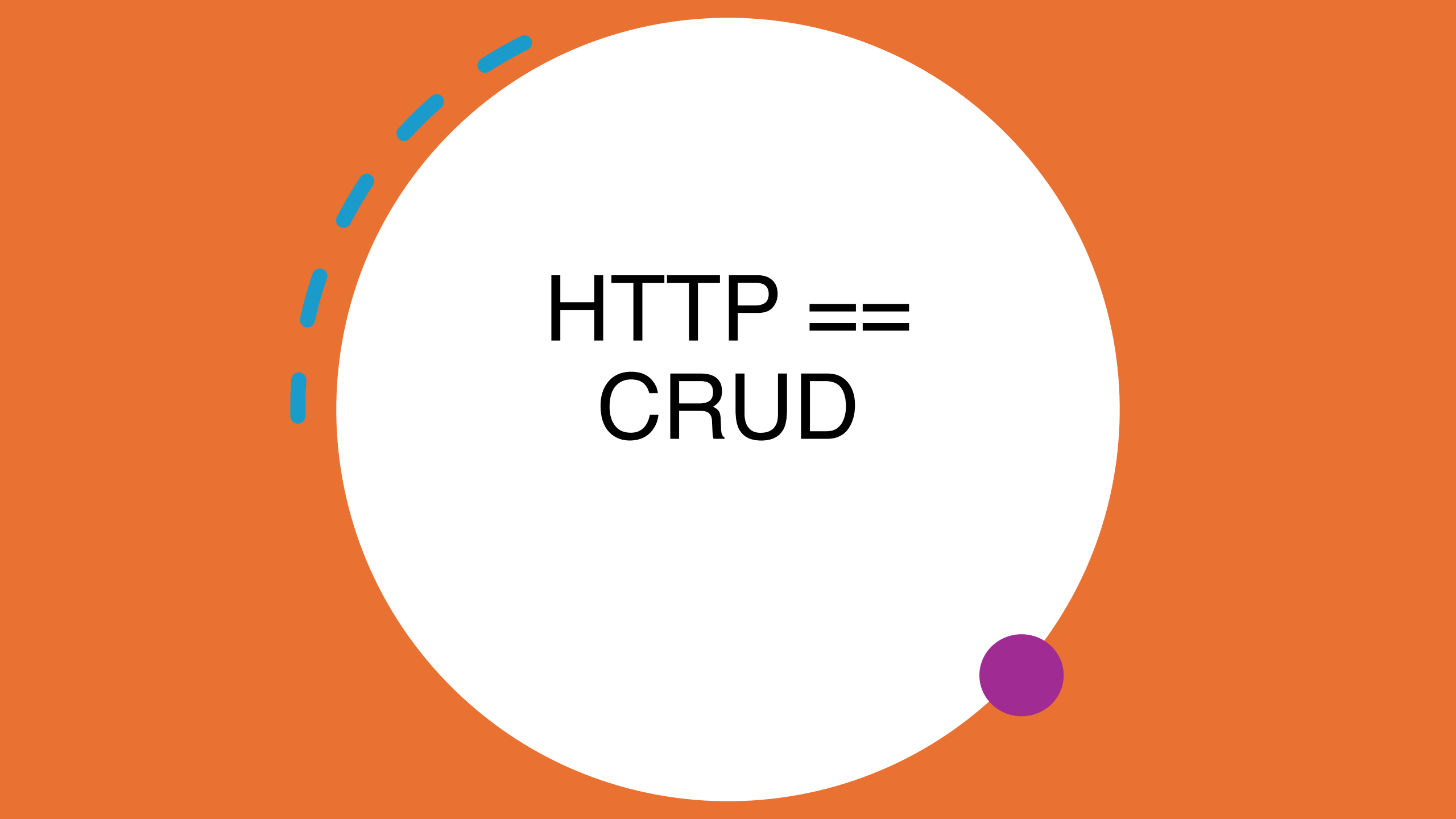
Speed Is Abundant

Craft Is
Scarce



Big Ball of Mud²



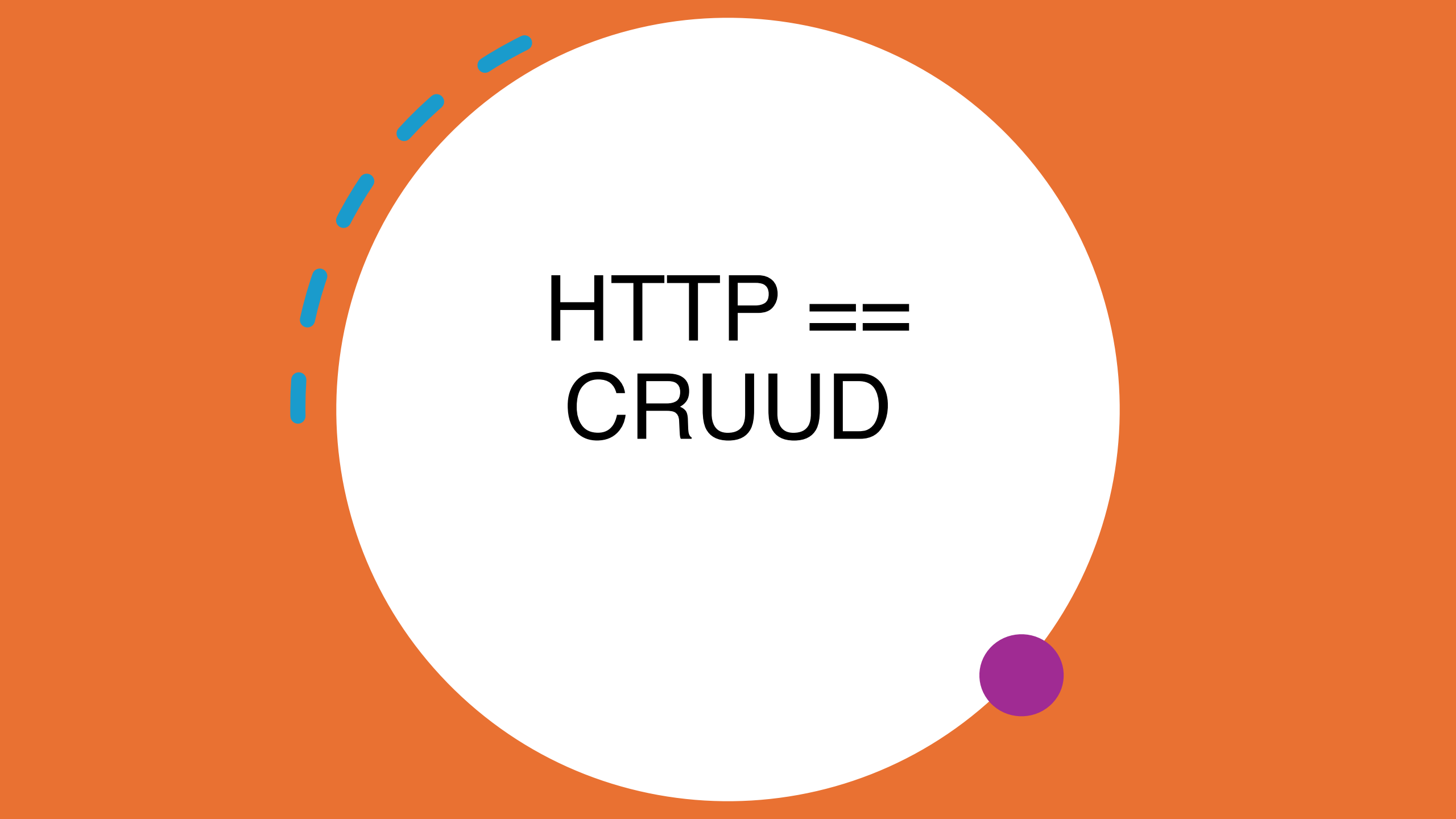


HTTP ==
CRUD

CRUD Think

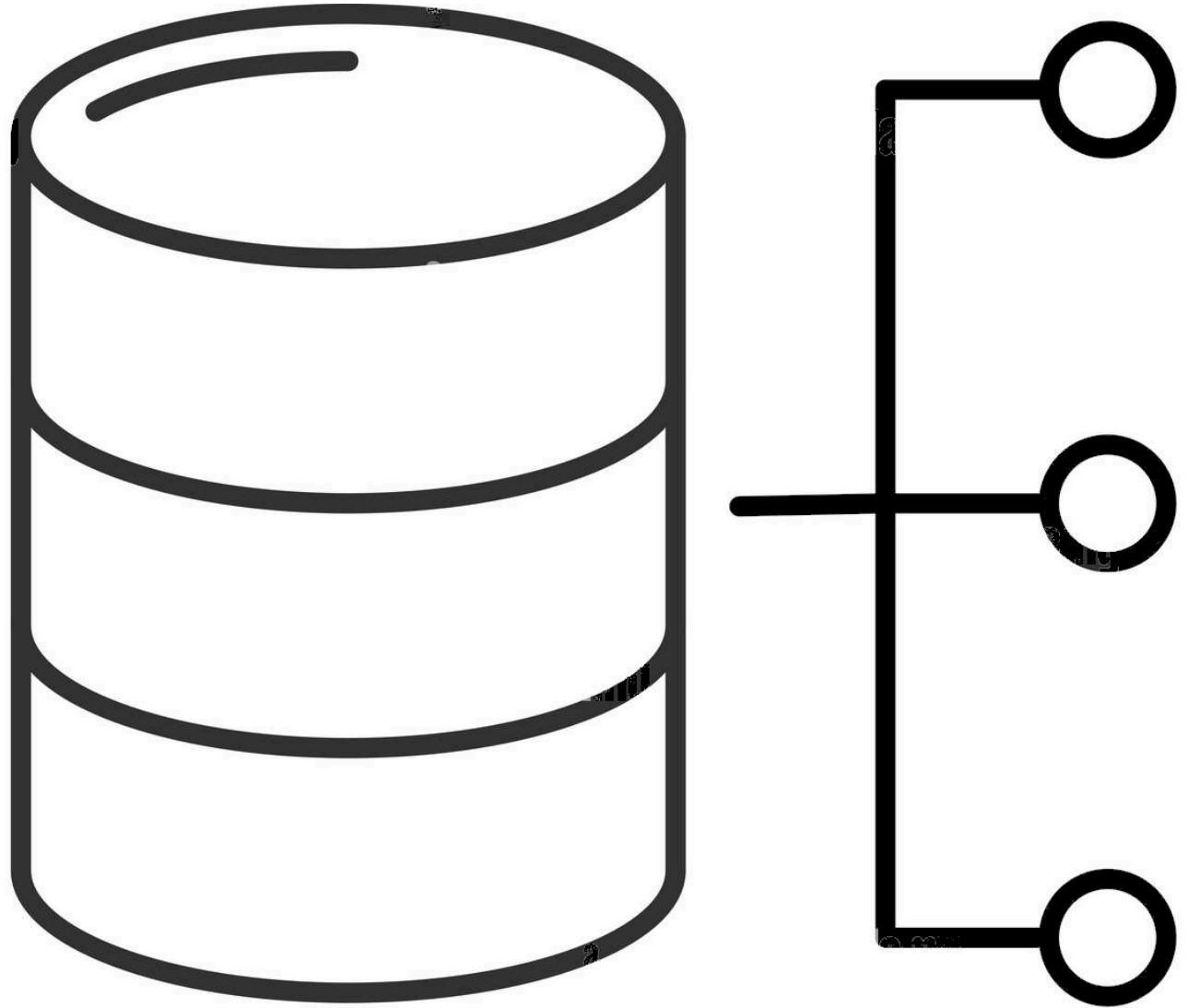
```
export enum TransactionType {  
  DEBIT = 'DEBIT',  
  CREDIT = 'CREDIT',  
  FEE = 'FEE',  
  INTEREST = 'INTEREST',  
  REVERSAL = 'REVERSAL',  
}
```

```
postTransaction(  
  transactionId: string,  
  amountMinor: number,  
  type: TransactionType,  
  description?: string  
): void {
```



HTTP ==
CRUUD

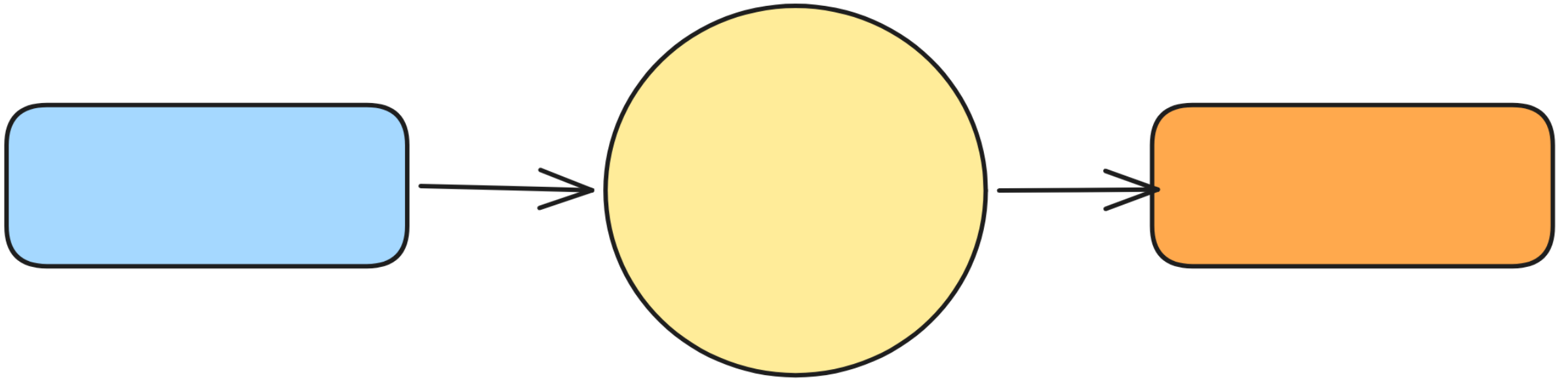
Transactions Are Not Bad



Monoliths
Are Not
Duh



Determinism Is Not Wrong





Coding Agents
Can Work
Very Well



Challenge:
Domain-Driven
Sphere of Knowledge +
Communication

In a
Context



\$1.5
Billion



Too general

plugin.json

domain-driven-design



**Product and
Technology
Specific**

SKILL.md

ddd-naming



.claude-plugin

plugin.json

ddd-naming
durable-object-aggregate
journal-publisher-fanout
monorepo-and-deployment
testing
...



SIGH.
Guide... Iterate...
Guide... Iterate...

Example:

Digital Core Banking

Dozens to
Hundreds of
Contexts



Research
Tool

Core Banking

Problem Space Domains

Subdomains

Bounded Contexts

Ubiquitous Language

Conceptual Boundaries

Model Behaviors



Domo Modeling Notation

```
Language { TypeScript }
Context { Current Account }
Module CurrentAccount {
  Aggregate Account {
    State {
      id: Id
      accountNumber: AccountNumber
      balance: Money
      transactions: List<Transaction>
      status: Status
      creditScore: CreditScore
    }

    EventsIn {
      FundsTransferred to postTransferredFunds {
        fromAccount: AccountNumber
        toAccount: AccountNumber
        amount: Money
        comment: String
        ...
      }
    }
  }
}
```

Quick
Experiments



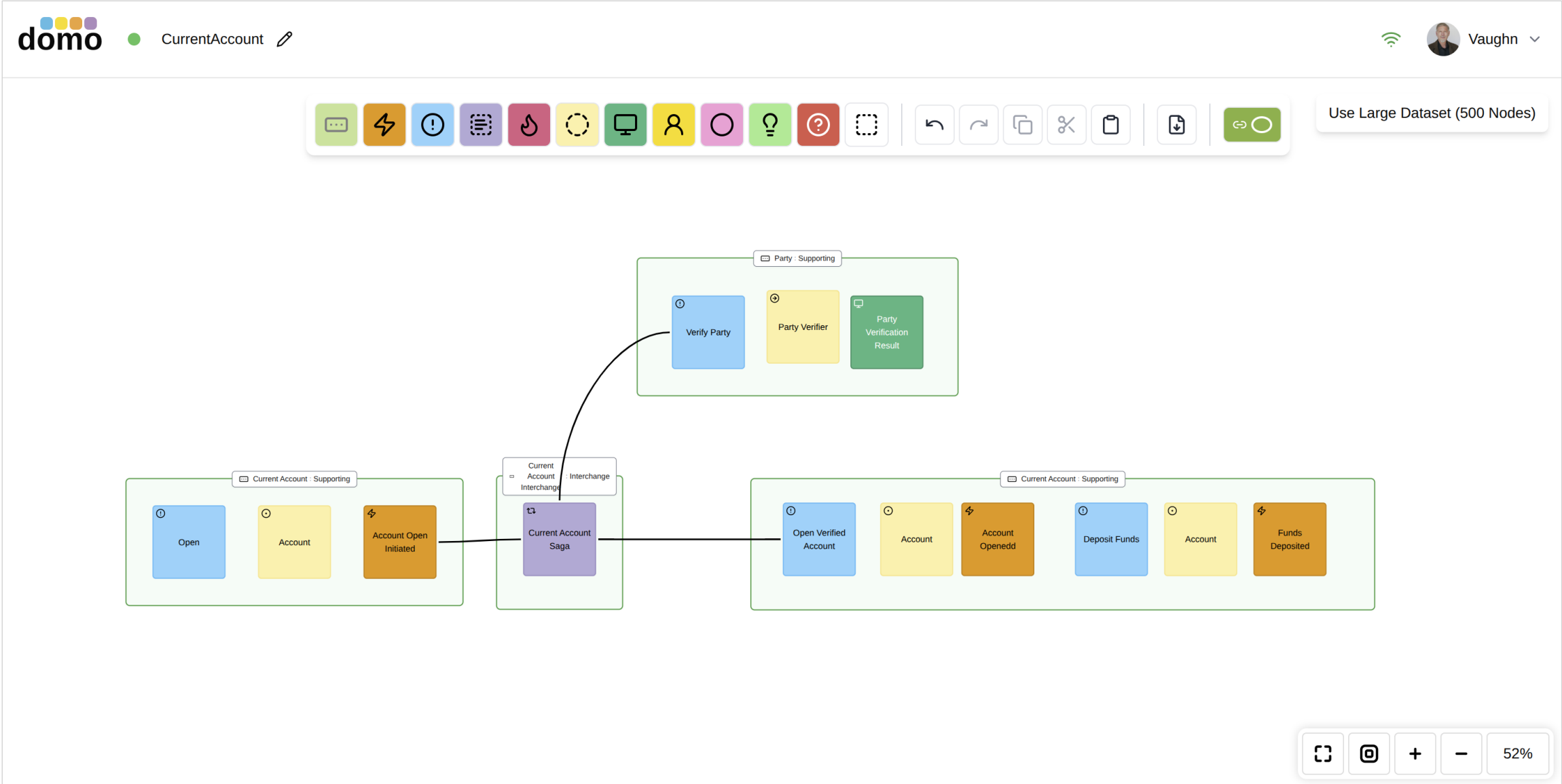
Black Box + SKILL.md: black-box

Stimulus	Response
<code>open (...)</code>	<code>AccountOpened</code>
<code>deposit (...)</code>	<code>FundsDeposited</code>
<code>withdraw (...)</code>	<code>FundsWithdrawn</code>
<code>suspend (...)</code>	<code>AccountSuspended</code>
<code>close (...)</code>	<code>AccountClosed</code>
<code>reactivate (...)</code>	<code>AccountReactivated</code>

State Box + SKILL.md: state-box

Stimulus	Pre-State	Post-State	Response
<code>open (...)</code>	<code>status=INACTIVE</code>	<code>status=OPEN</code>	<code>AccountOpened</code>
<code>deposit (...)</code>	<code>transactions=[...]</code>	<code>transactions=[..., txn]</code>	<code>FundsDeposited</code>
<code>withdraw (...)</code>	<code>transactions=[...]</code>	<code>transactions=[..., txn]</code>	<code>FundsWithdrawn</code>
<code>suspend (...)</code>	<code>status=OPEN</code>	<code>status=SUSPENDED</code>	<code>AccountSuspended</code>
<code>close (...)</code>	<code>status=OPEN</code>	<code>status=CLOSED</code>	<code>AccountClosed</code>
<code>reactivate (...)</code>	<code>status=SUSPENDED</code>	<code>status=OPEN</code>	<code>AccountReactivated</code>

DomoBank: Design-Level Event Storming



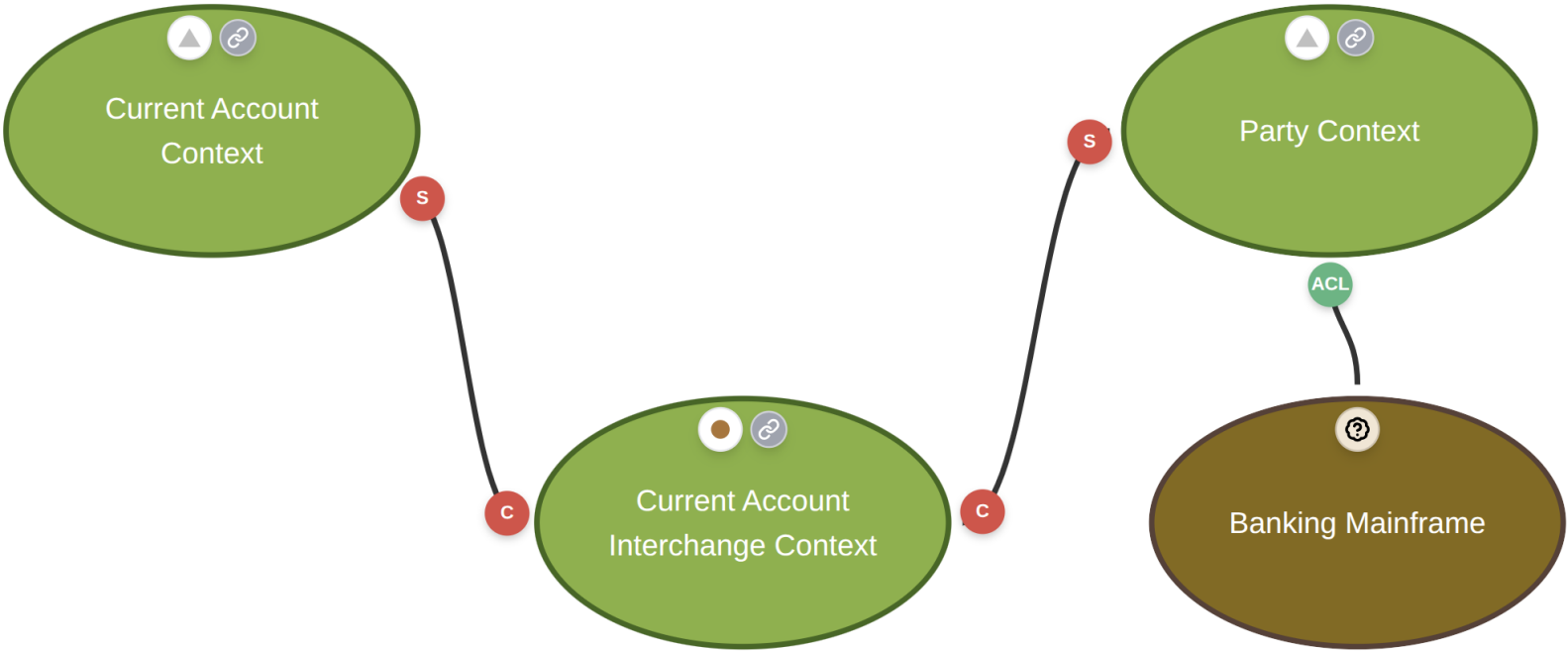
DomoBank: Context Map



● Current Account Context Map



Vaughn



—

Models to Coding Agents



Core Banking Is Generic

Current Account

Consumer Savings Account

Corporate Current Account

Credit Cards & Loans

Payments, etc.

Core Domain

Intelligent Customer

Support

Frontline Worker Enablement

Agent Risk & Compliance

Embedded Finance

On-Chain Finance

~~\$200~~
0
\$400



June 15-18 | 14:00h Berlin | 8:00am New York | Online

Instructor: Vaughn Vernon

4 half-days | 4 hours per day

[🔗 Course Description](#)

[→ REGISTER](#)

<https://kalele.io/idd-workshop>

Thank You!
Questions?

