Steering the Northwest Passage
Beginning an SOA Initiative

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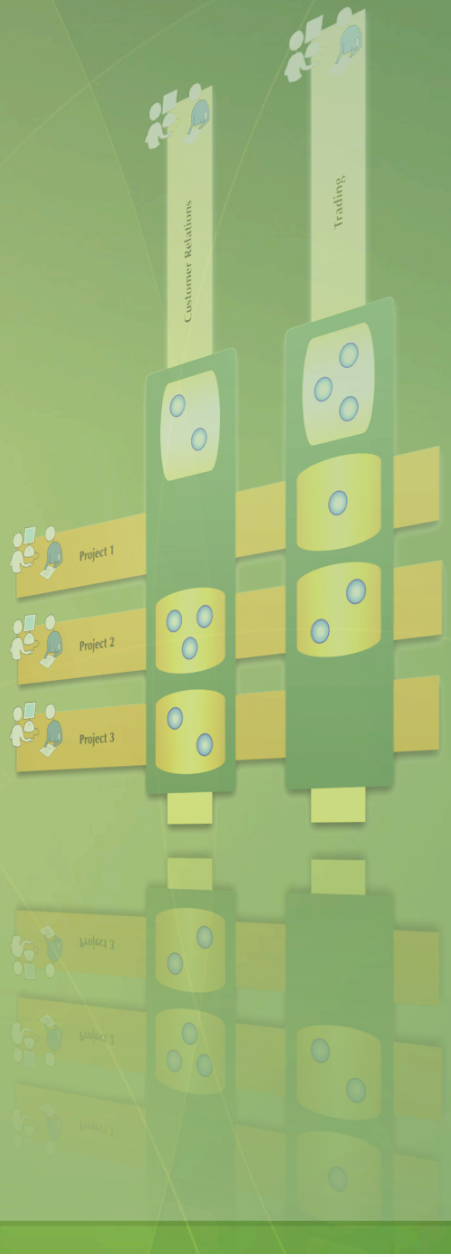
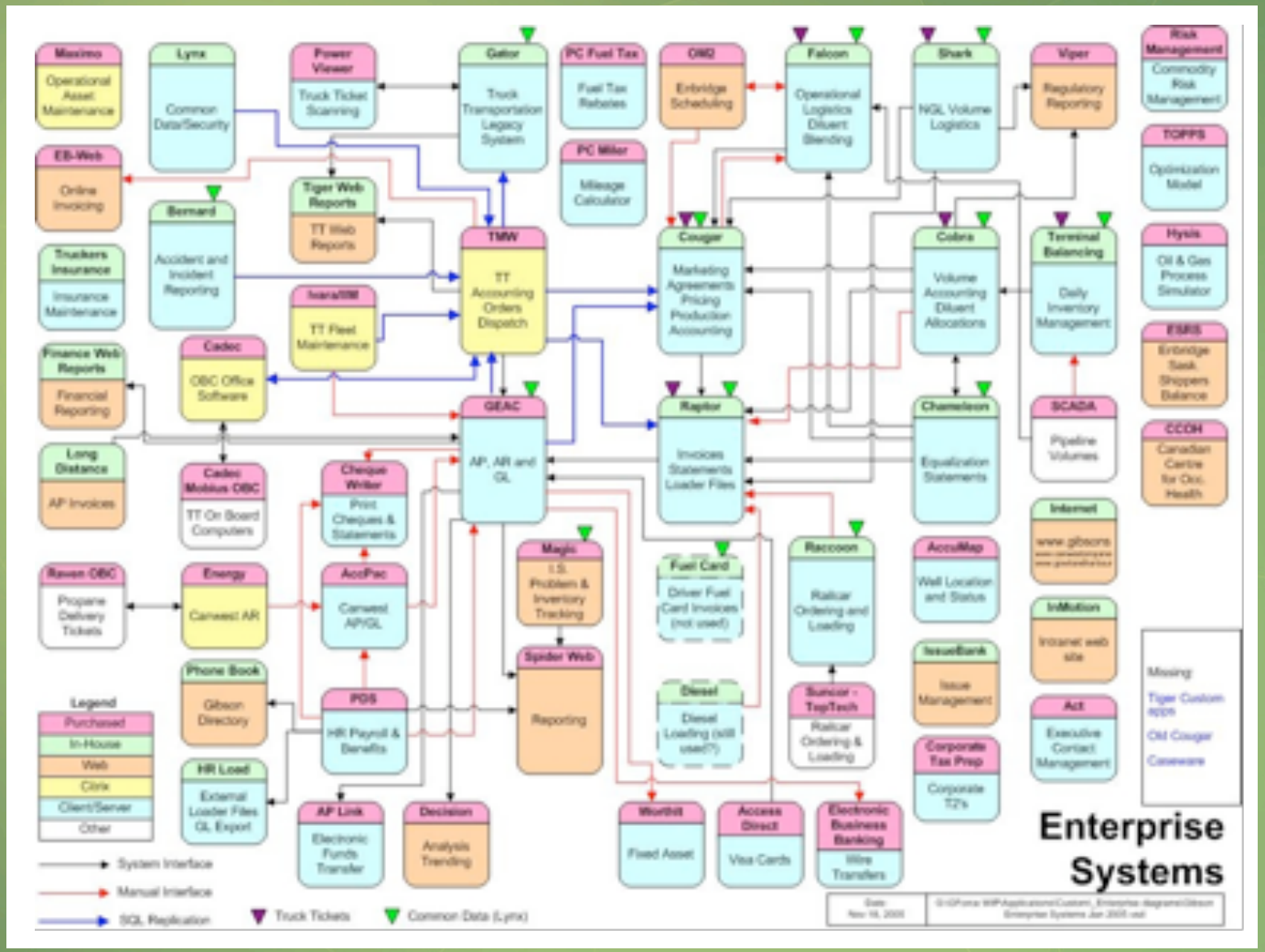
Overview

- Where to Start?
- Stories and Capabilities
- Services and Contracts
- Delivery



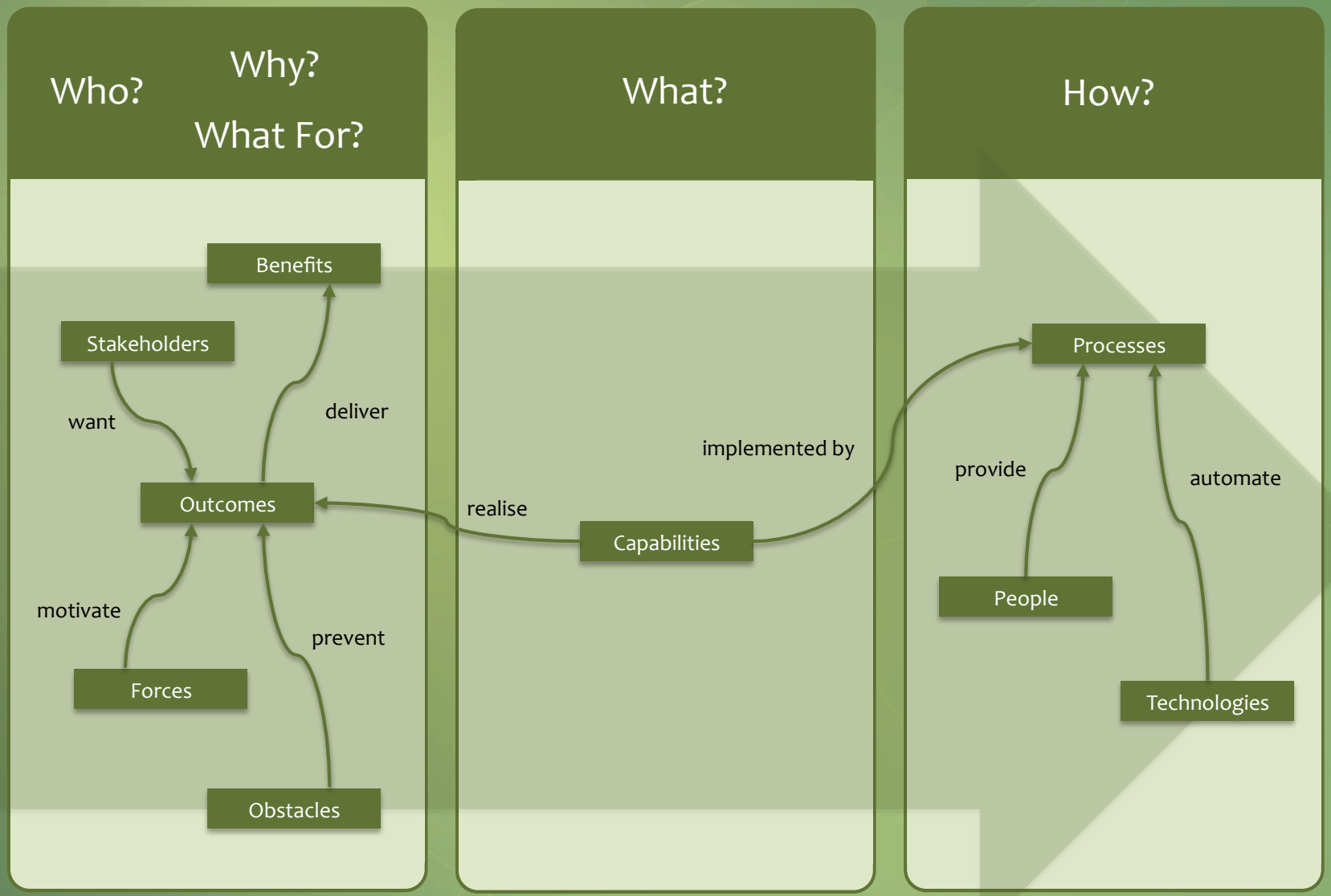
Where to Start?

Beckett's Dilemma



Client: Midstream oil and gas

A Map of the Territory

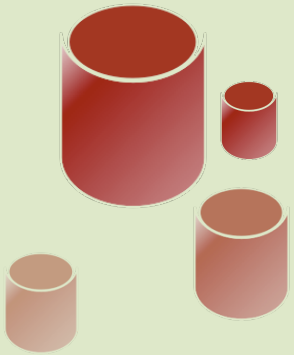


Stories, Capabilities, Services and Contracts

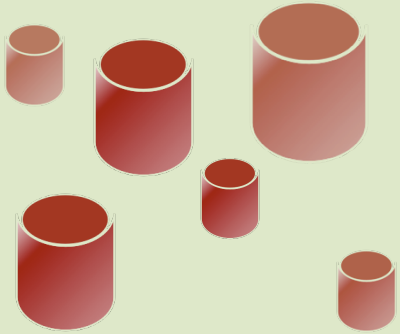
Stories and Capabilities

Communication Barriers

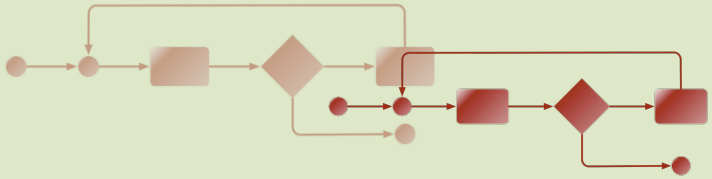
Business

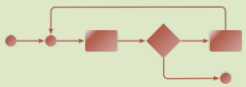


Folk IT

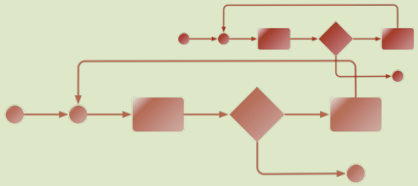


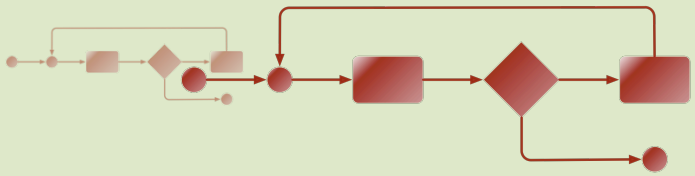
IT



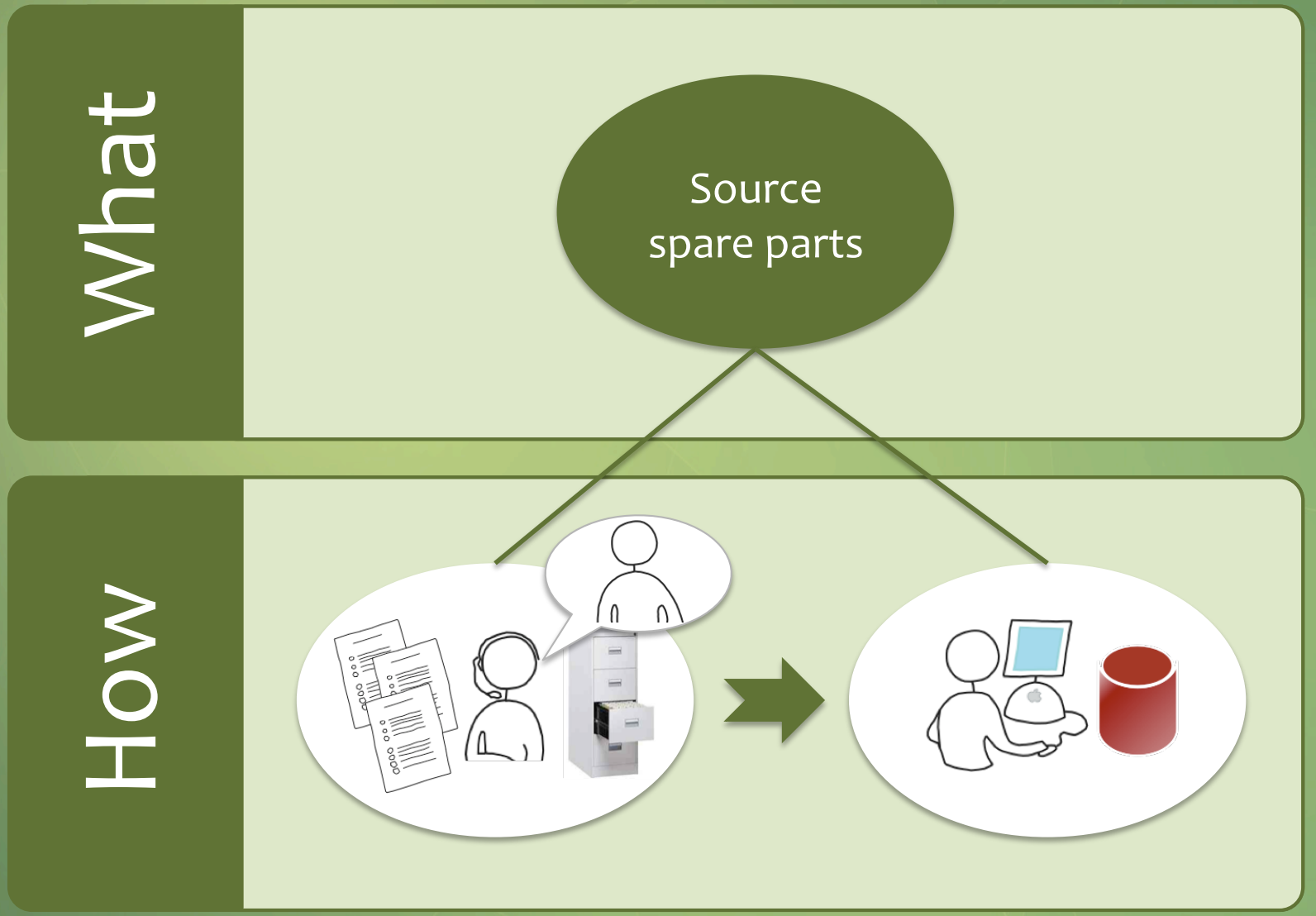


Business Process Disorder





People Change, Processes Change, Technologies Change…



Questions, Questions…

How (well) do you ***implement*** this capability today?

Is it ***core*** to your business?

Does it ***differentiate*** you from your competitors?

Who's ***responsible*** for its execution when systems fail?

User Stories

Outside-in

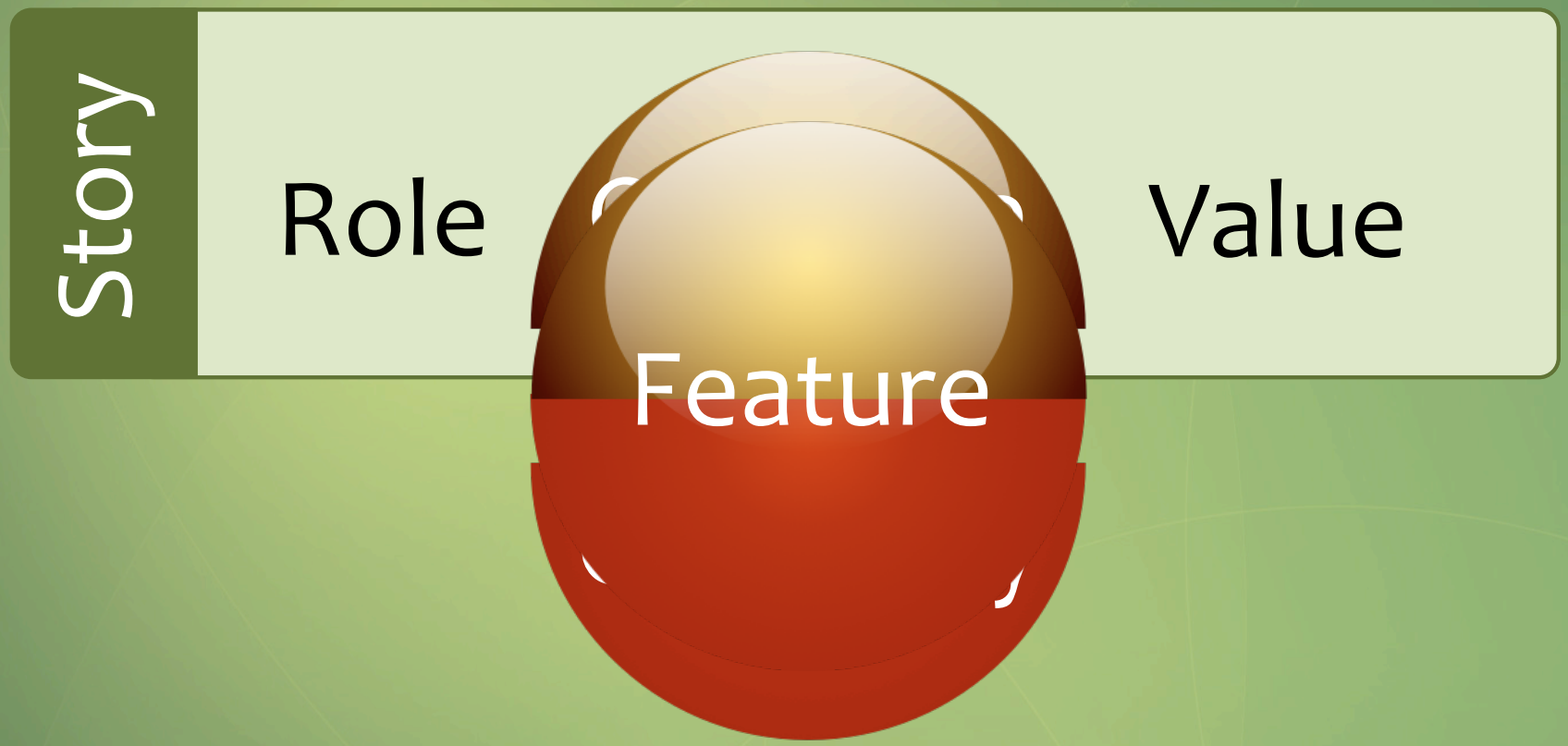
Outcomes

As a <*role*>
I want <*feature*>
So that <*benefit*>

Value

External behaviour

Features: Outcomes and Capabilities



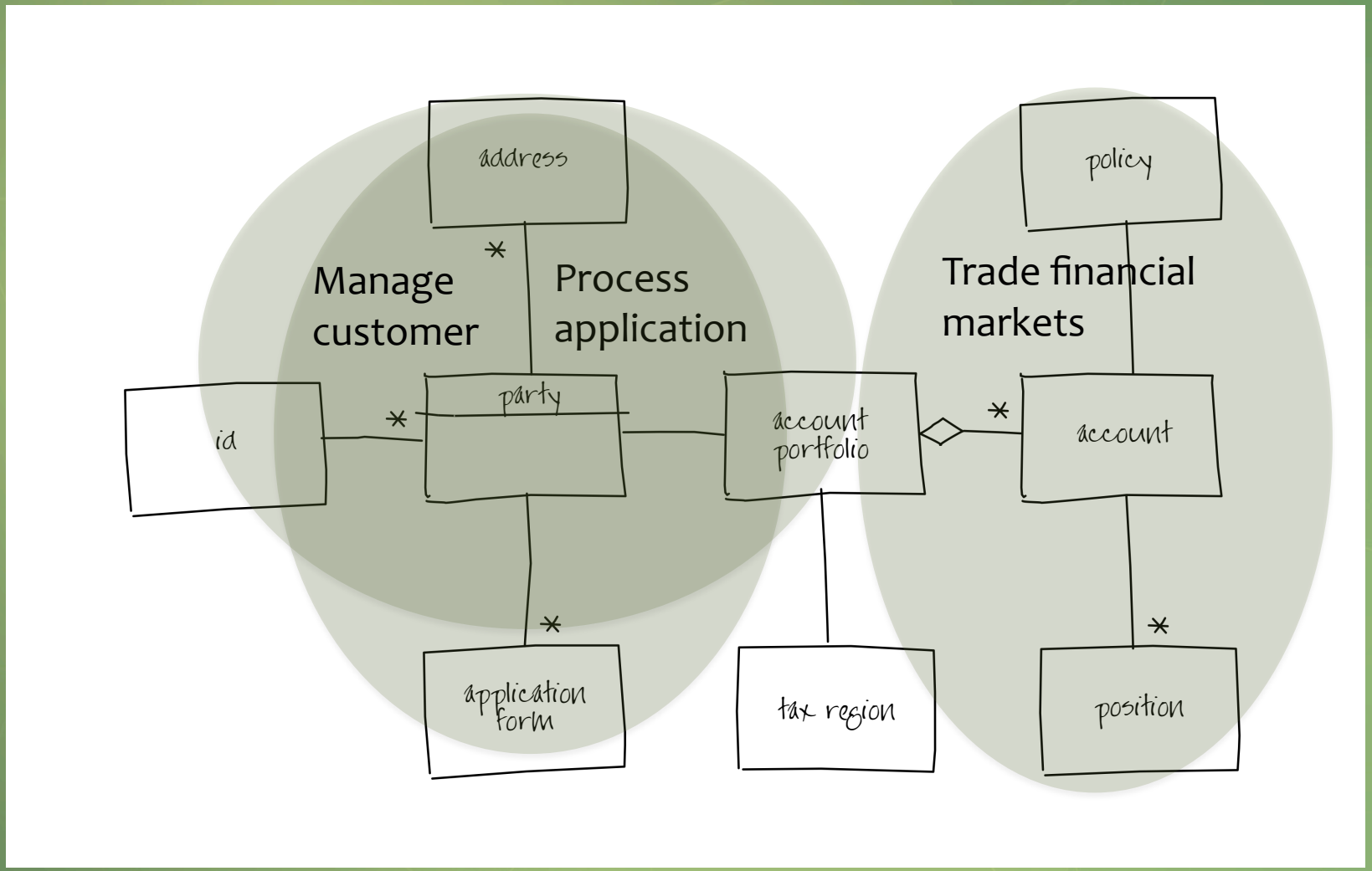
Outcome-Focused Stories

As a *<role>*
I want *<outcome>*
So that *<benefit>*

Responsibility-Focused Stories

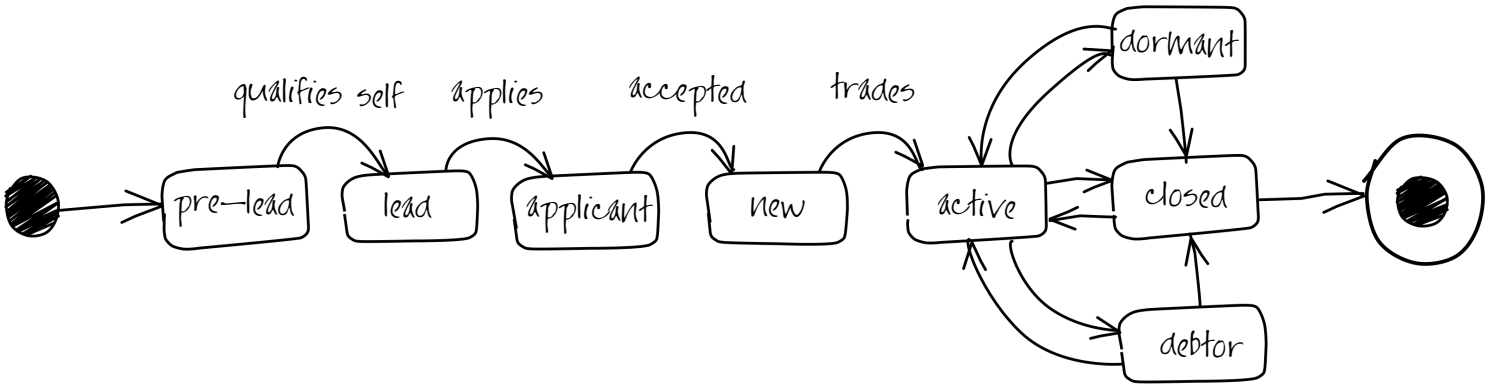
As *<role>*
I am responsible for *<outcome>*,
Which delivers *<benefit>*

Business Entity Domain Model



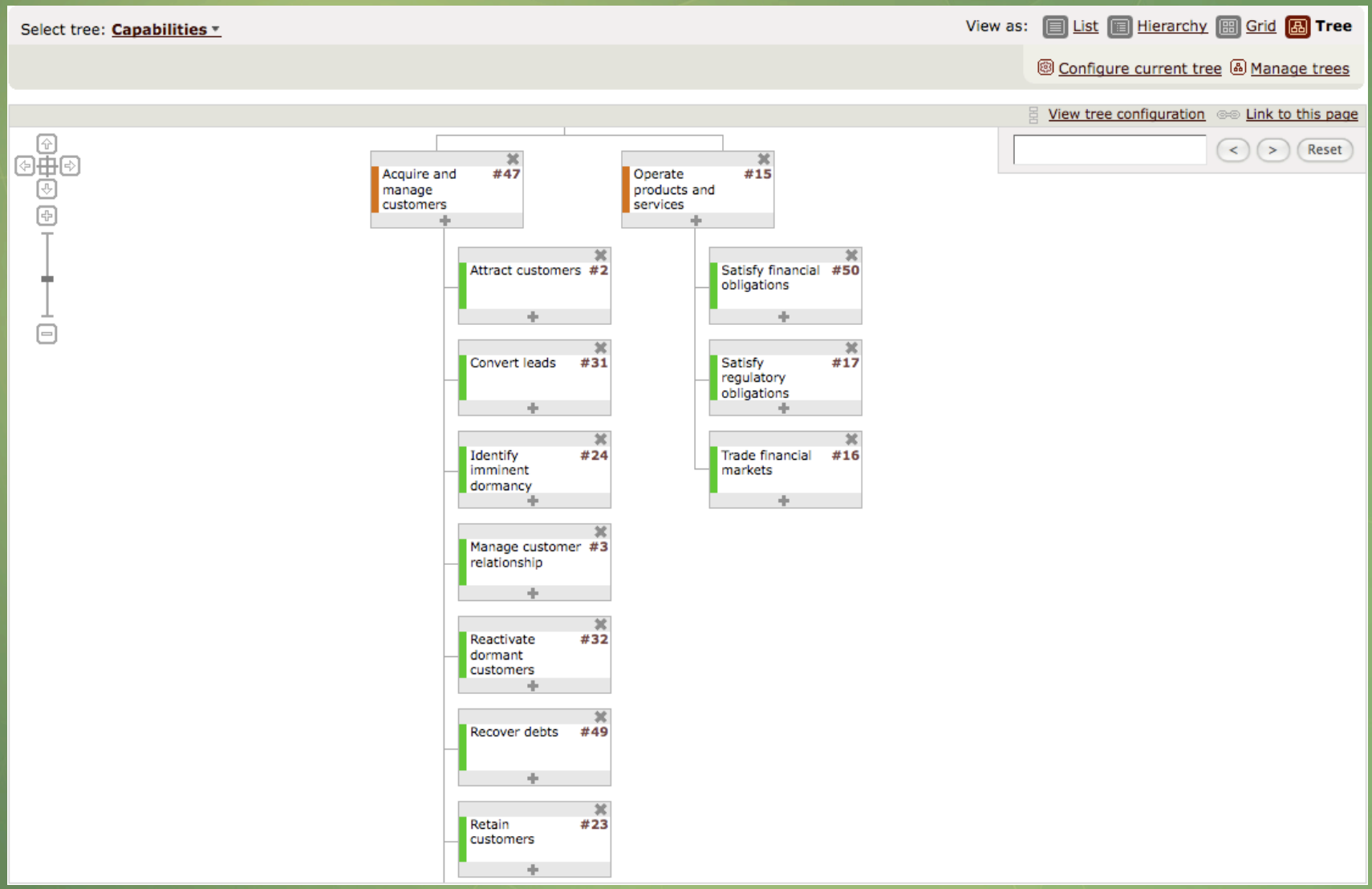
Client: Financial services

The Entity Lifecycle

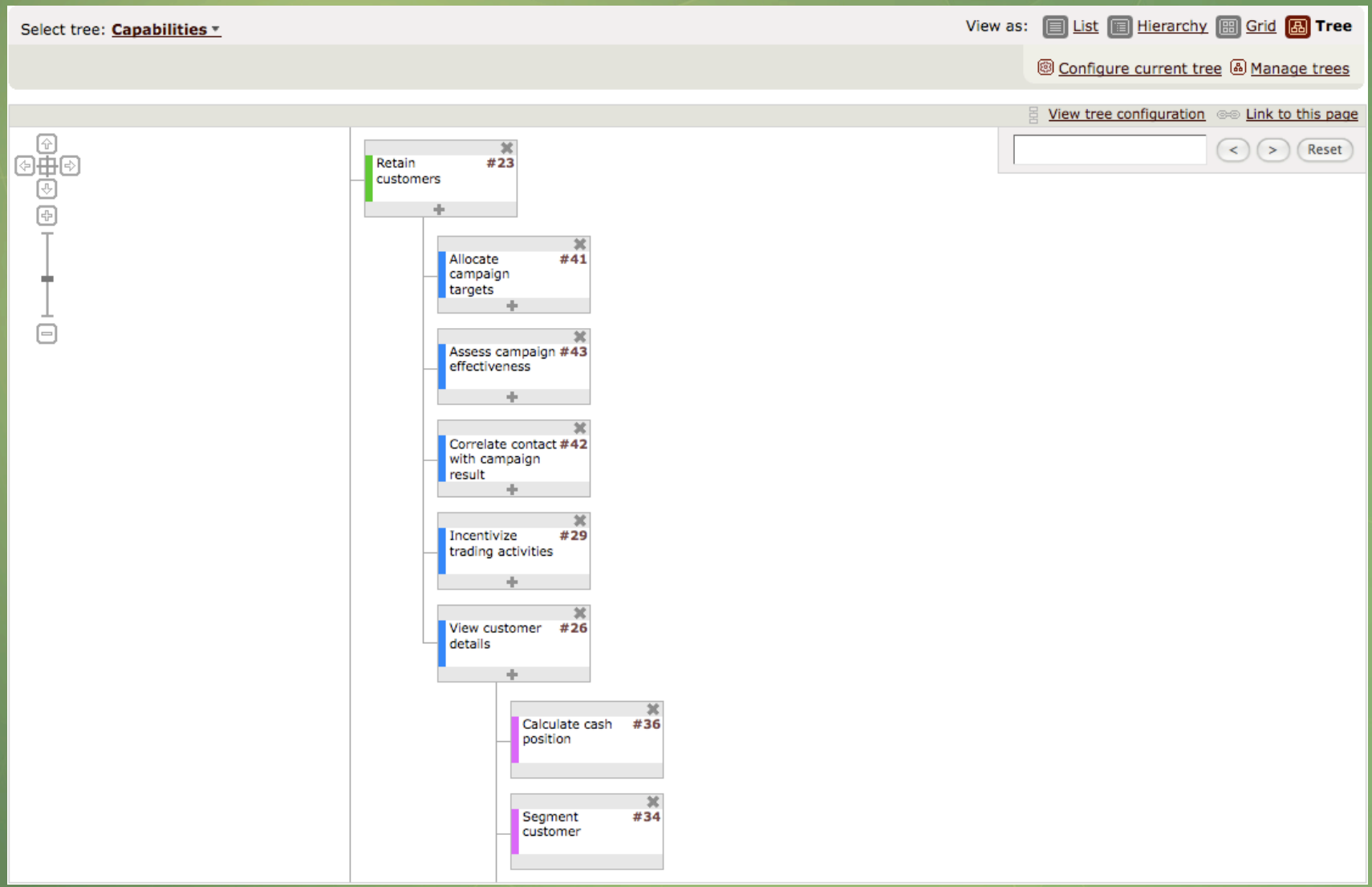


Client: Financial services

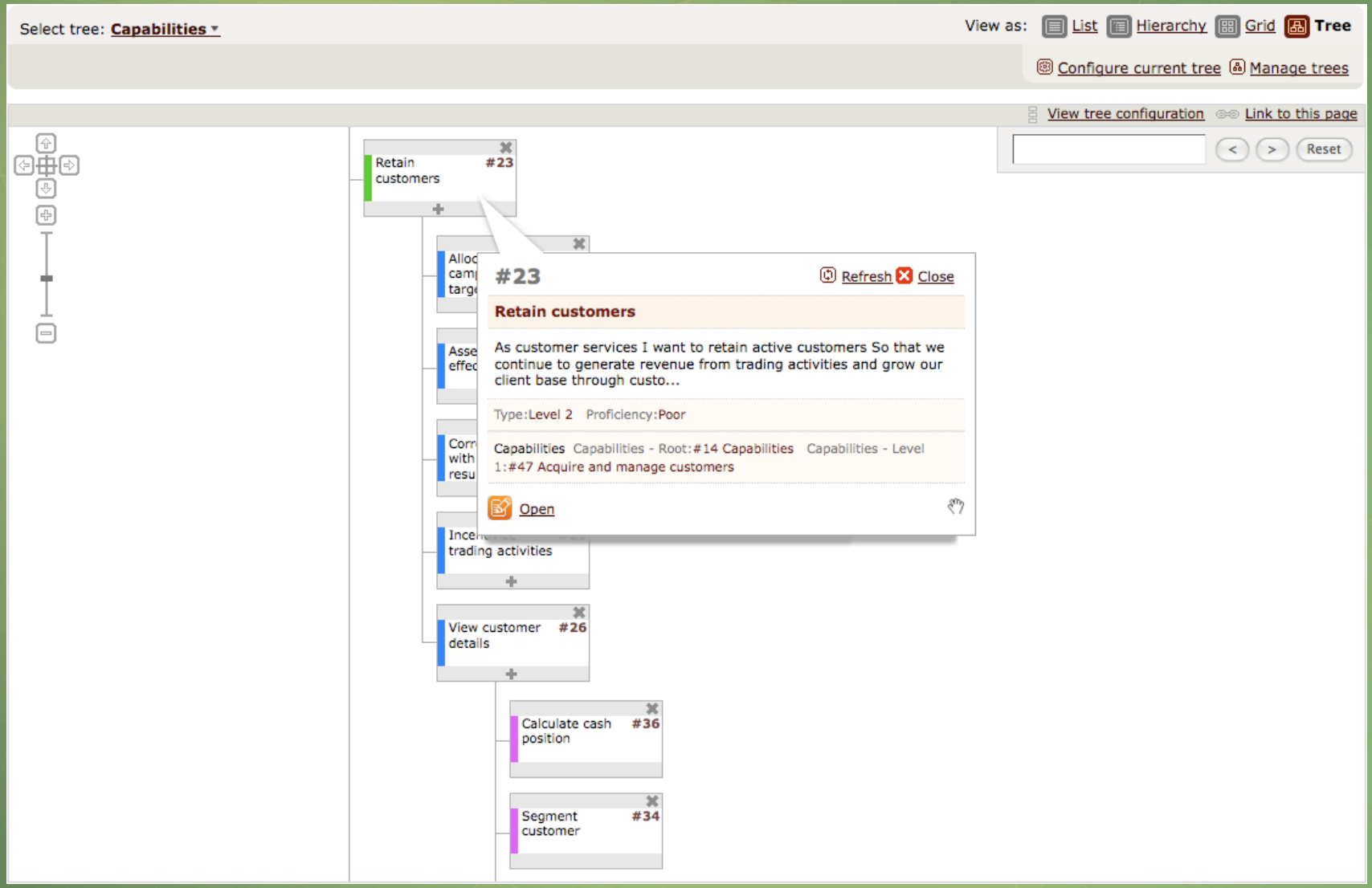
Capability Map



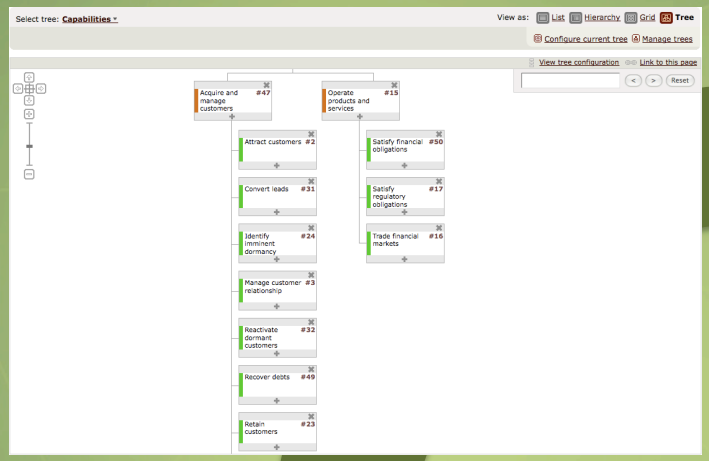
Capability Map

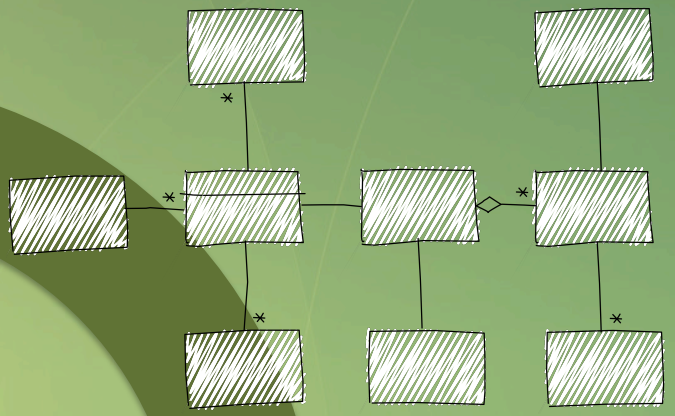


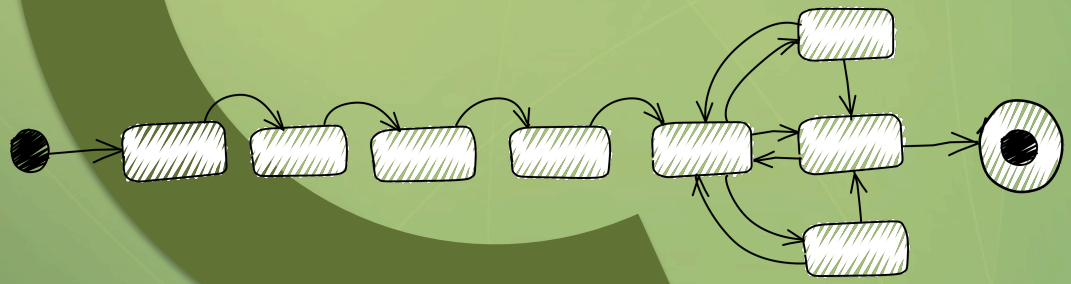
Capability Map



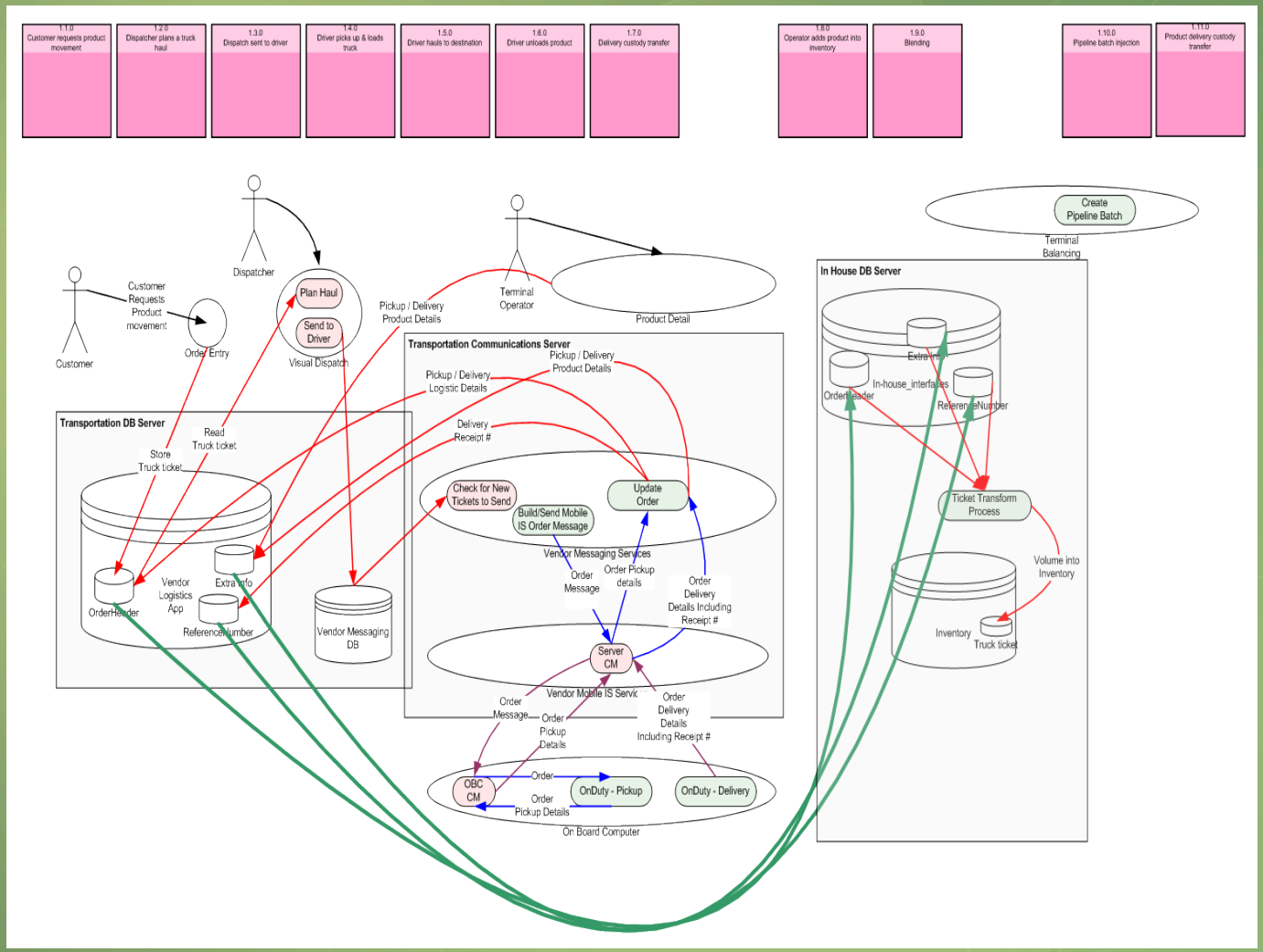
Capabilities Drive the Entity Lifecycle





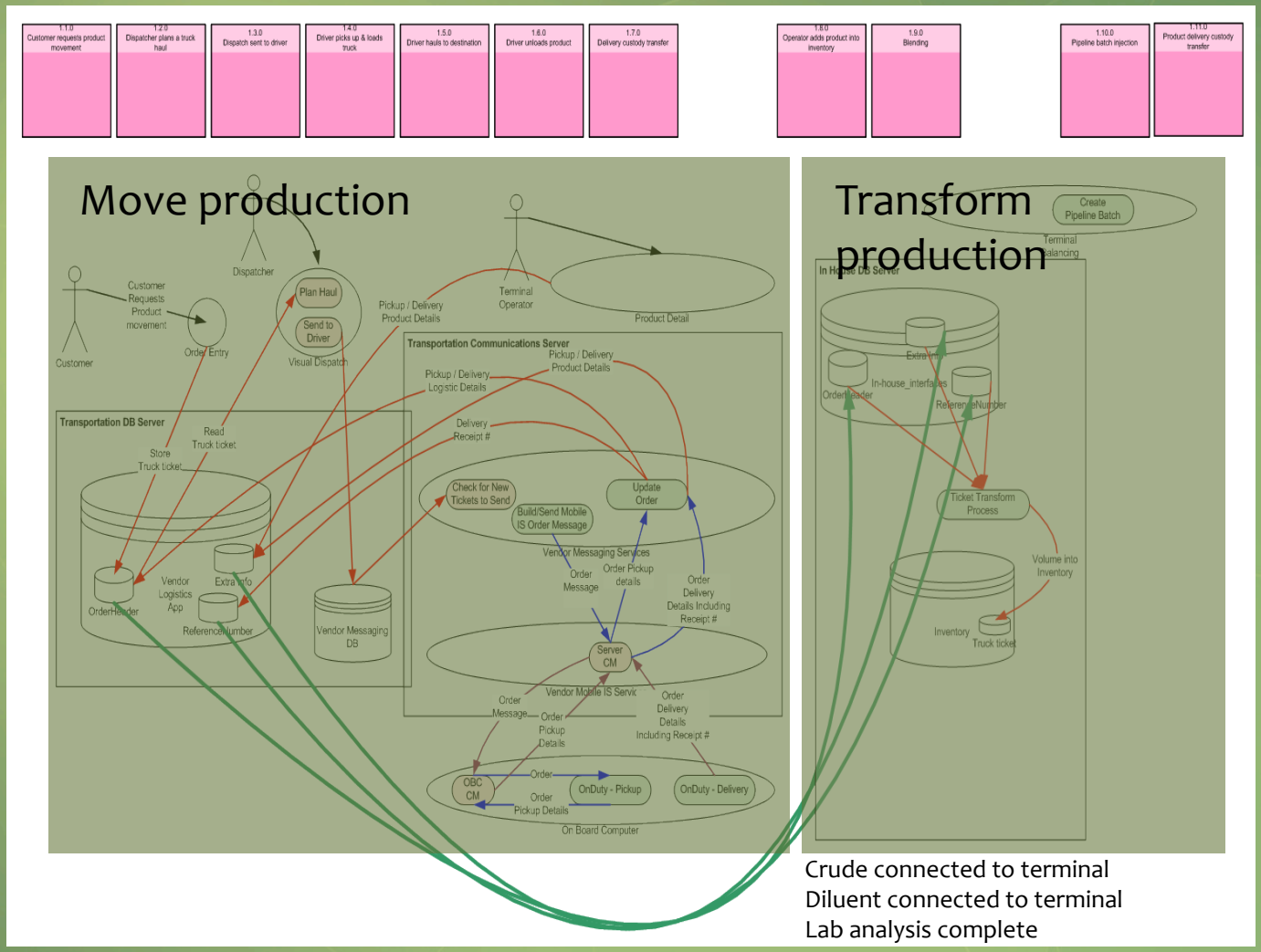


“Once more, with feeling!”



Client: Midstream oil and gas

“Aha!”

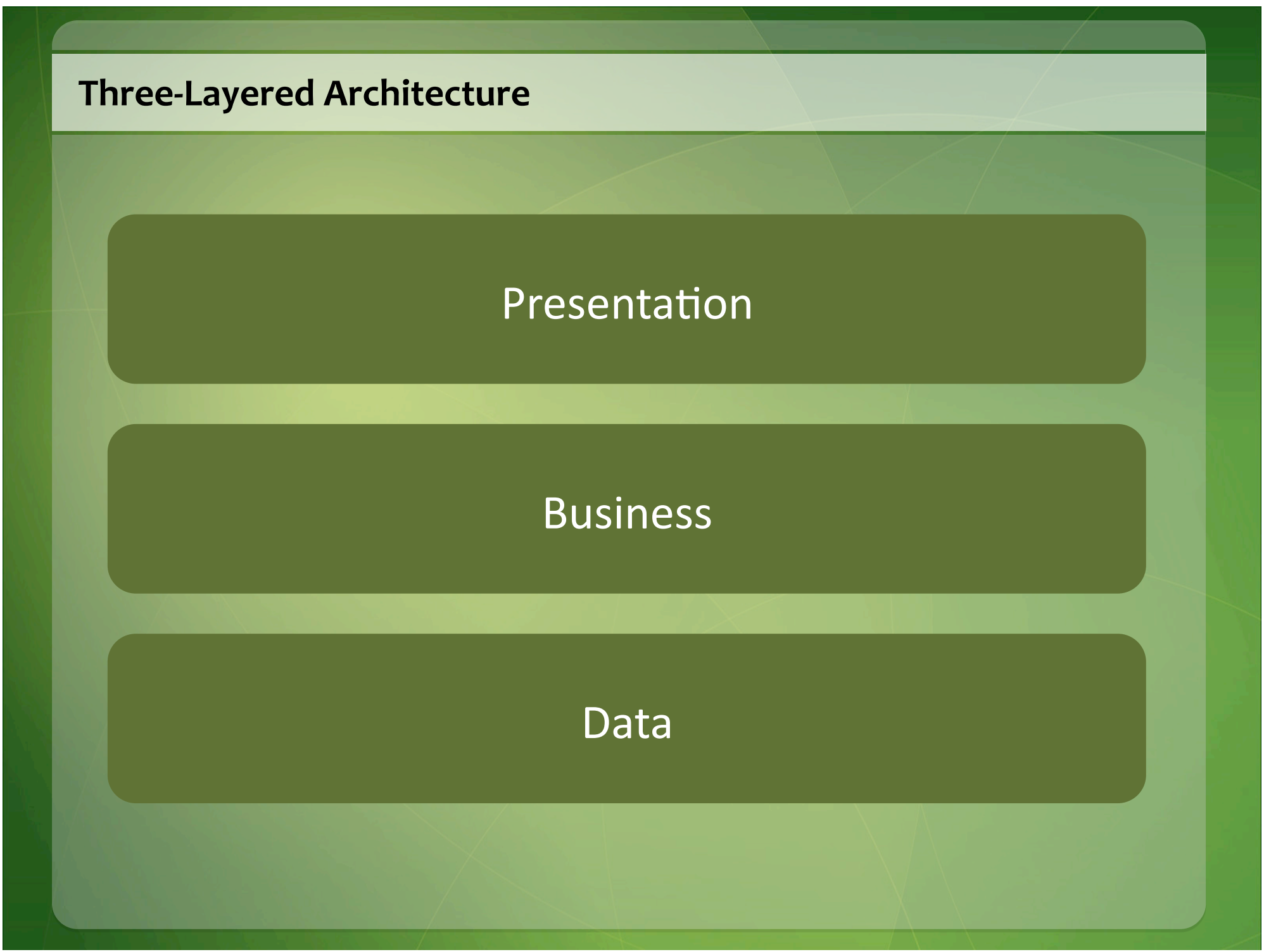


Crude connected to terminal
Diluent connected to terminal
Lab analysis complete

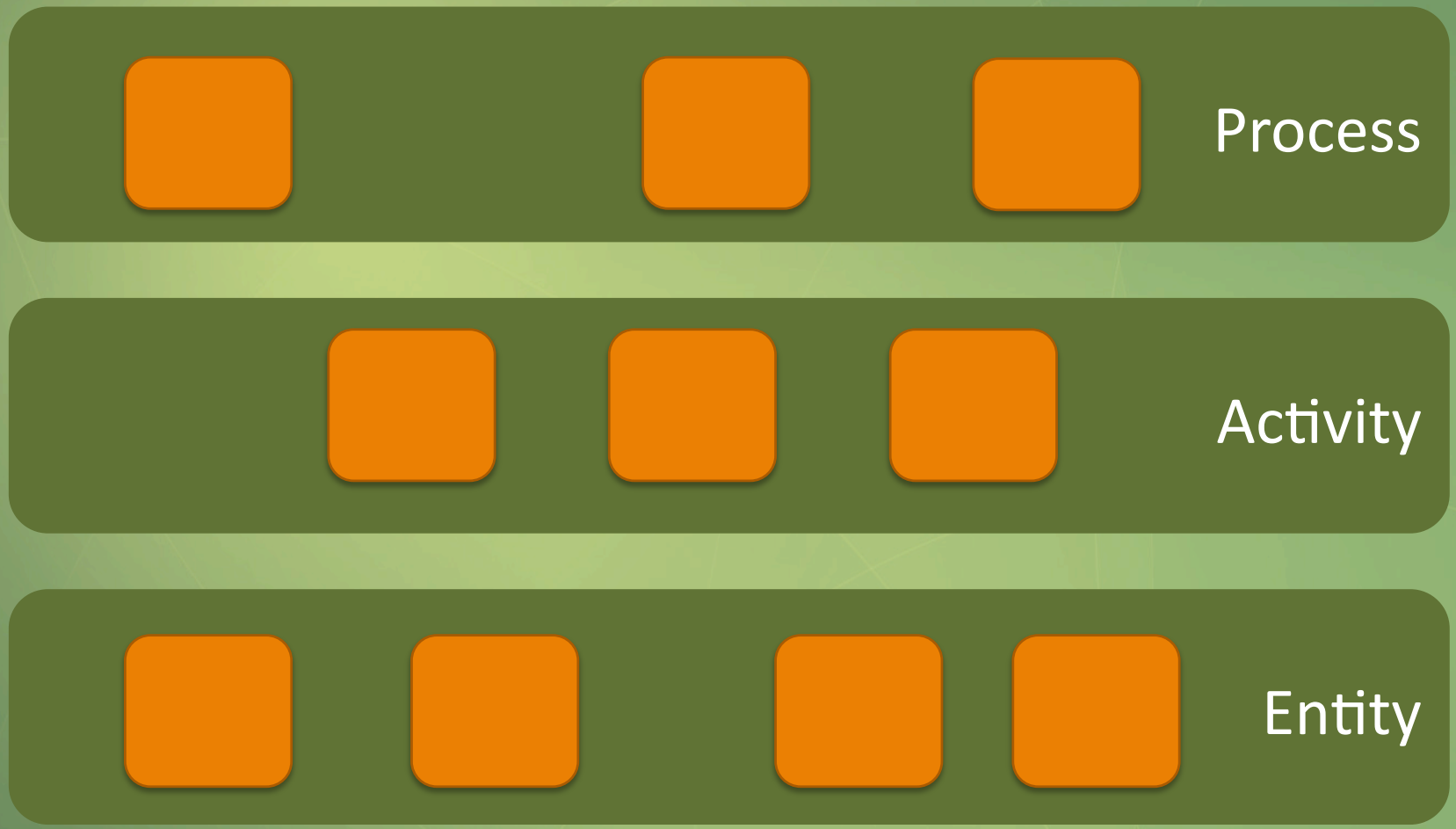
Client: Midstream oil and gas

Services and Contracts

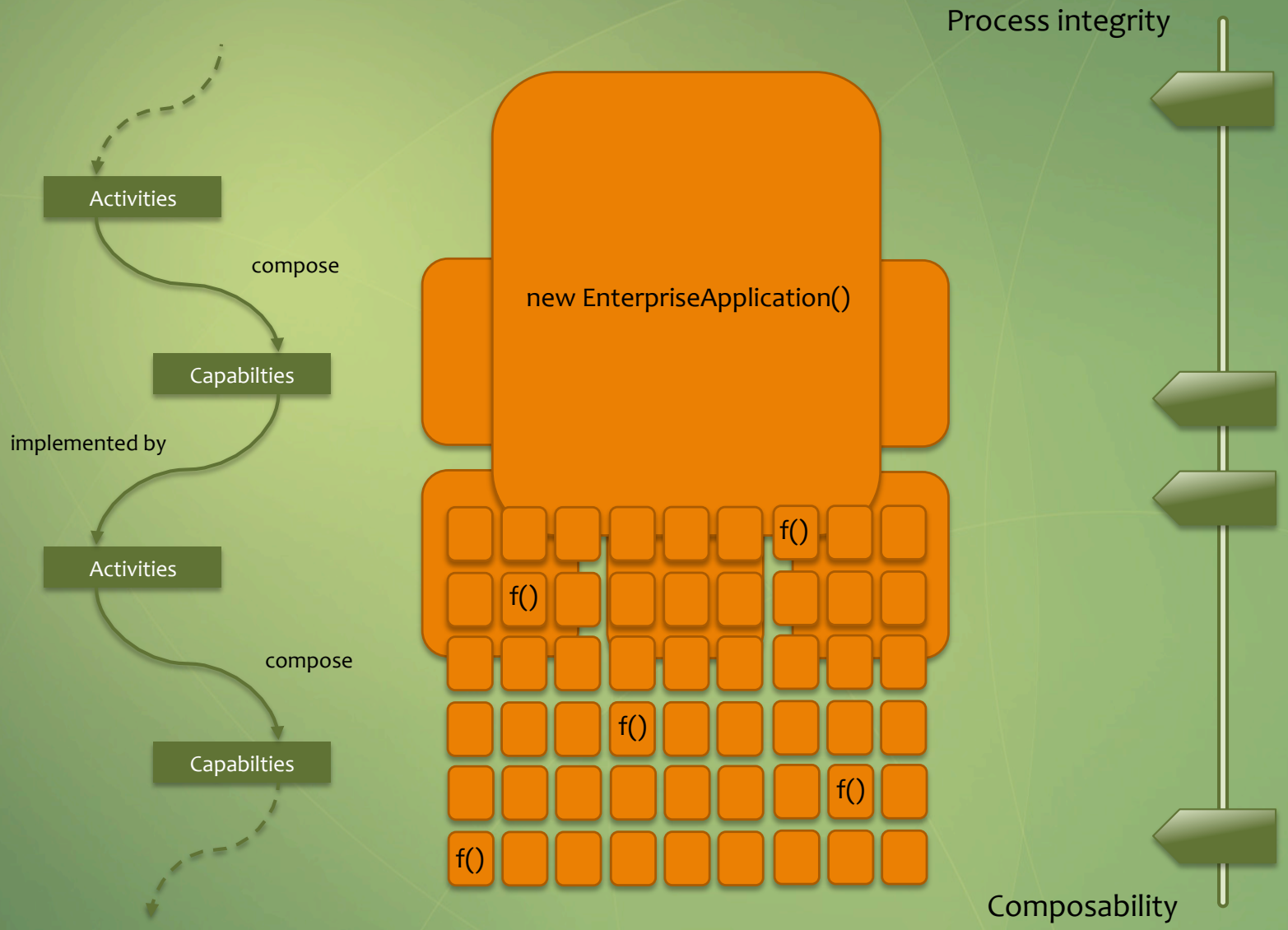
Three-Layered Architecture



And Now: At Distributed Proportions!



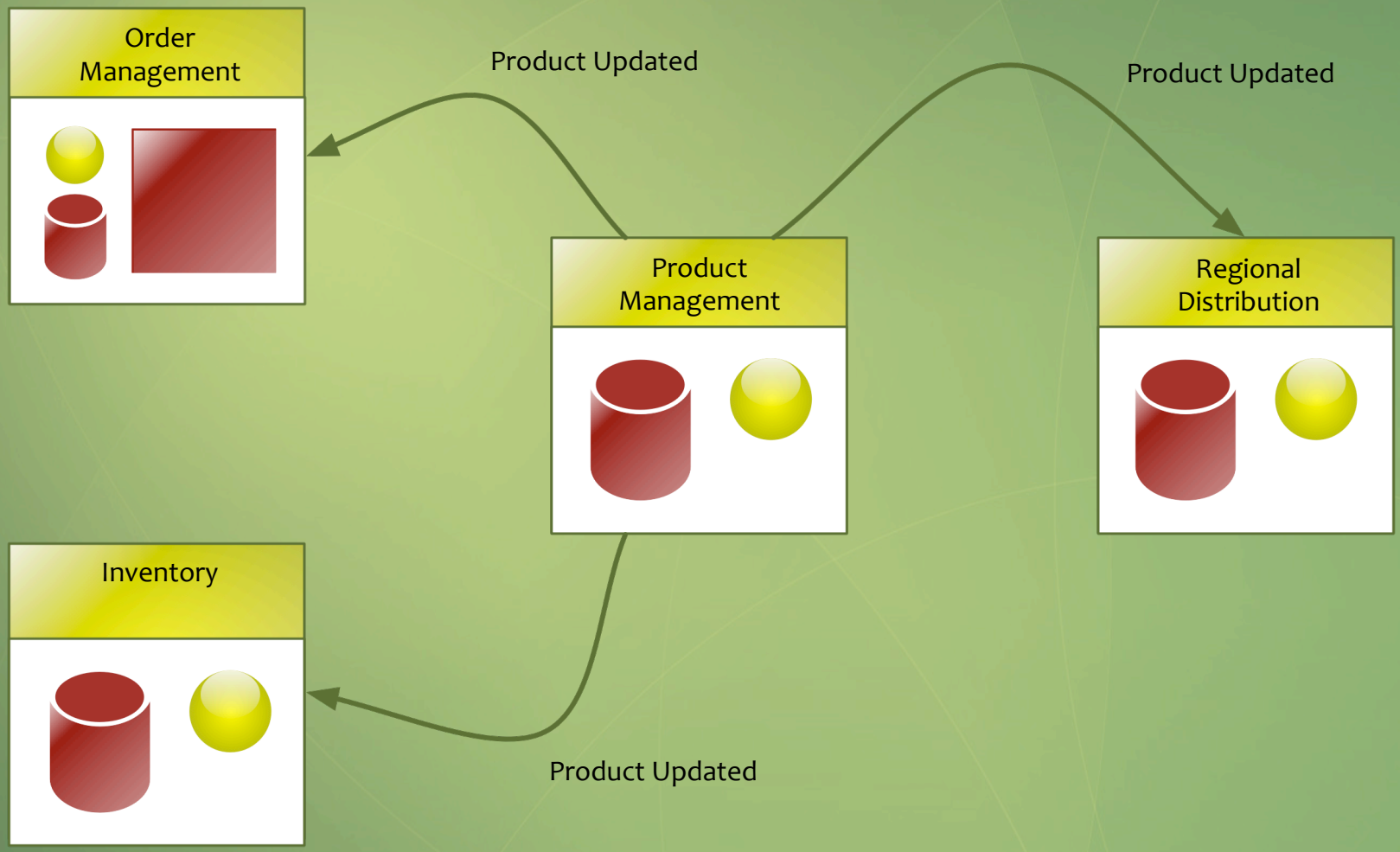
Services Host Capabilities



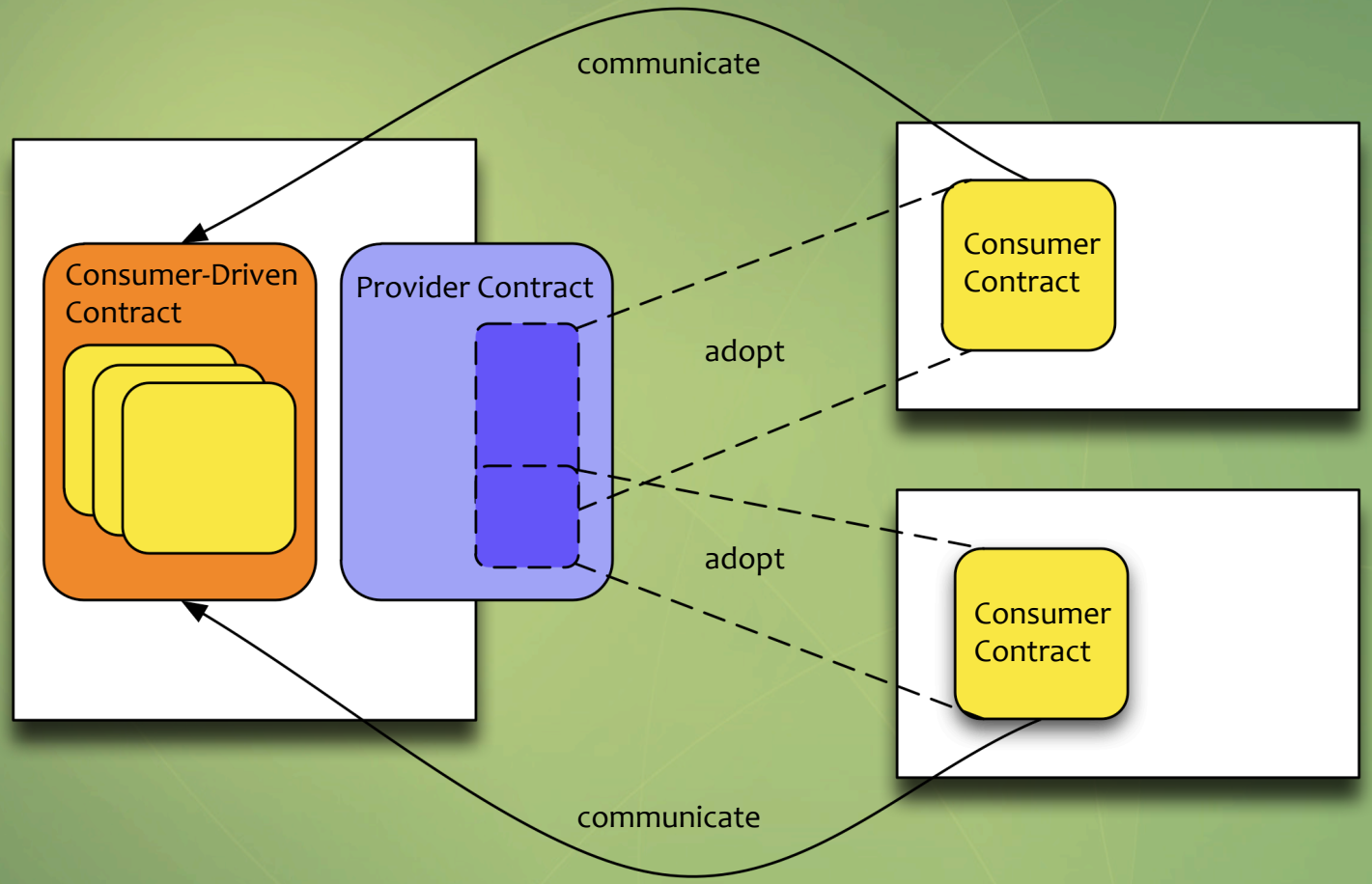
Treat Services as Consumers

As *order management*
I want *to know when a product has changed*
So that *I can fulfill orders based on current offerings*

Events Satisfy Consumer Expectations

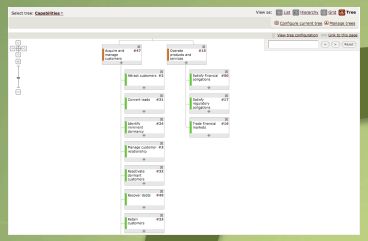


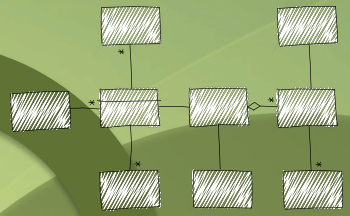
Communicate Consumer Contracts

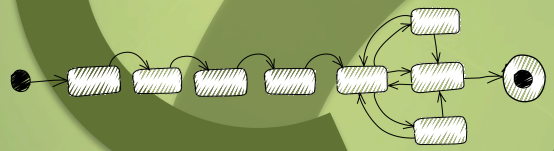


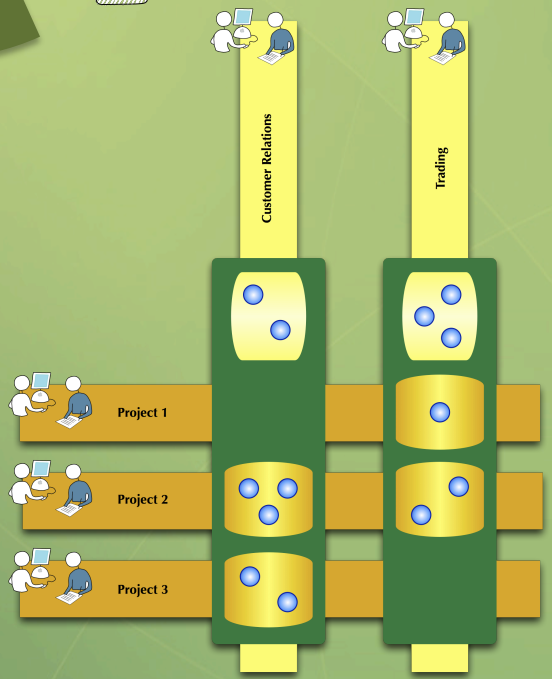
Delivery

Continuous Planning

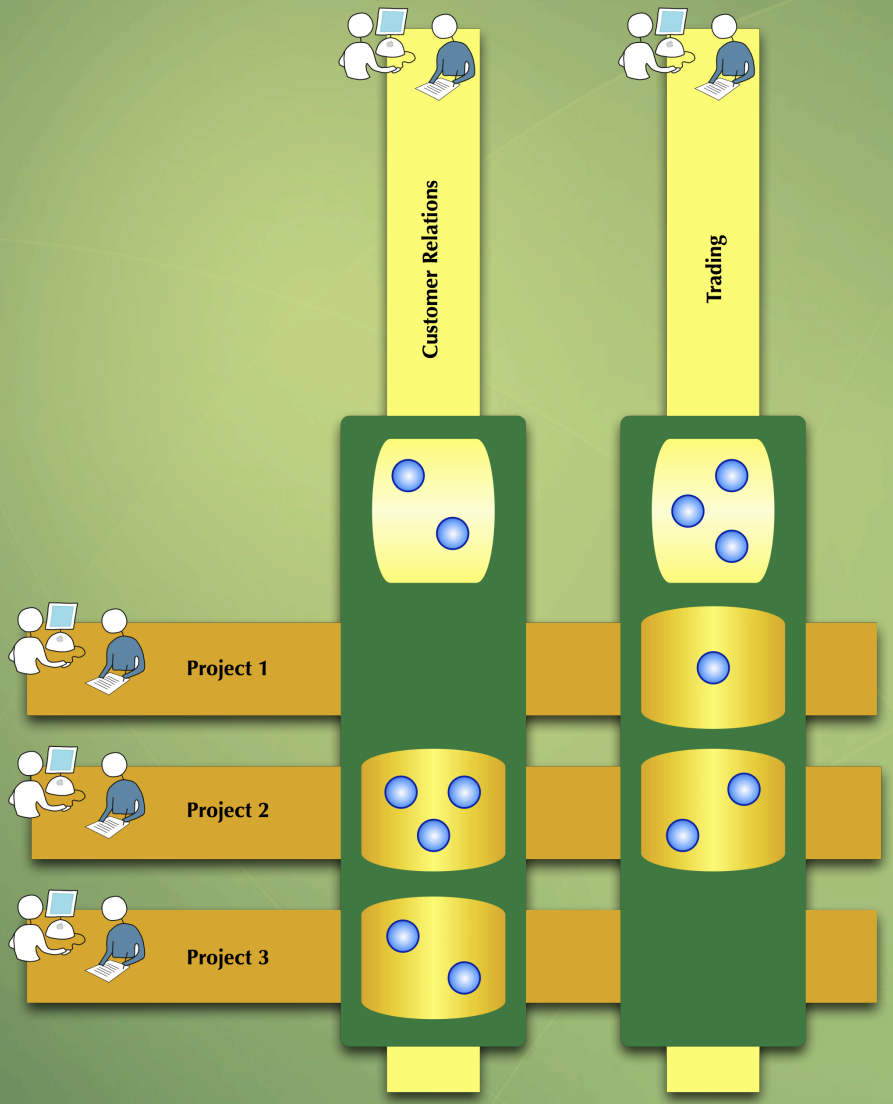








Capability Delivery



Long-lived capability delivery teams

Visiting projects contribute capital and resource

Multiple Delivery Streams

Client: Communications and entertainment

Thank you

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