Beginning an SOA Initiative

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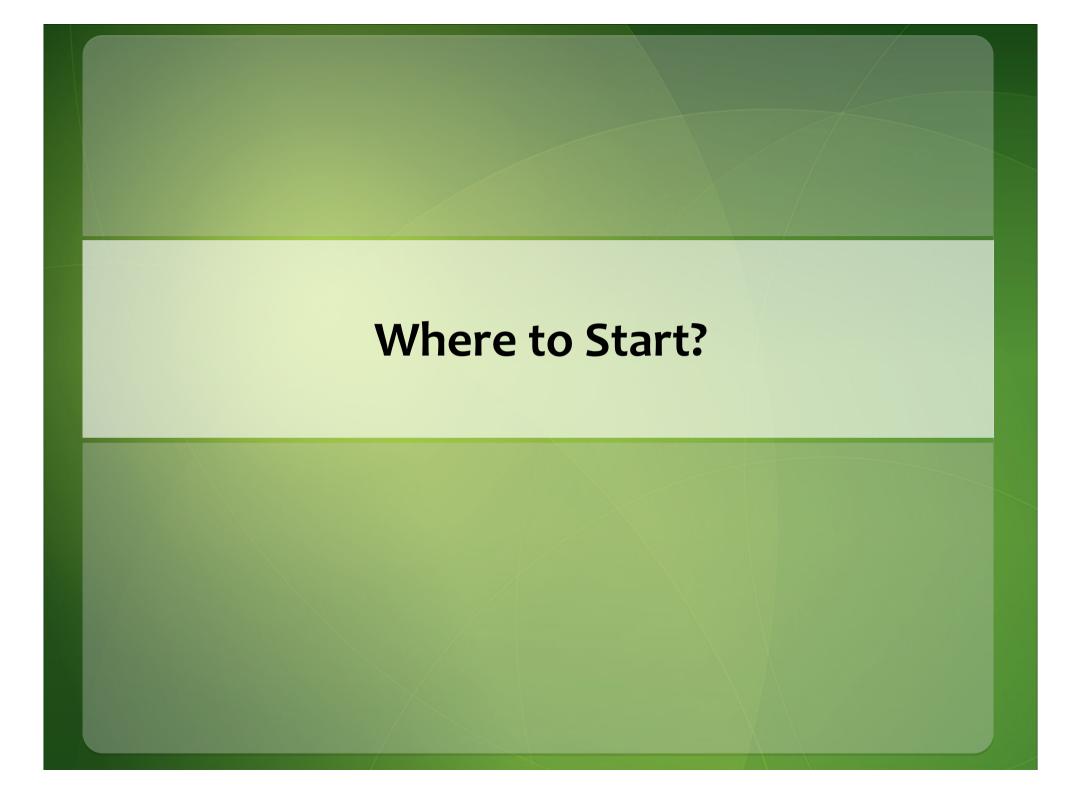
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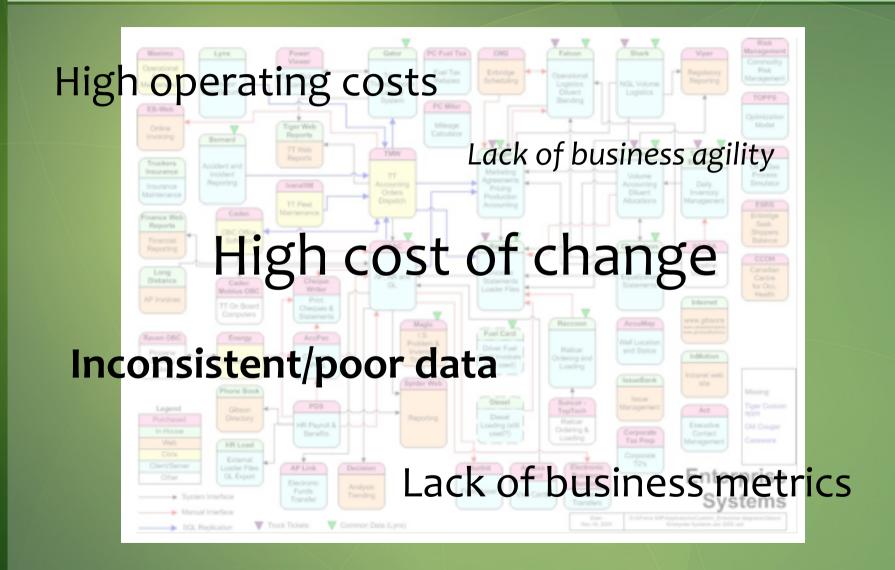


- Where to Start?
- Stories and Capabilities
- Services and Contracts
- Delivery



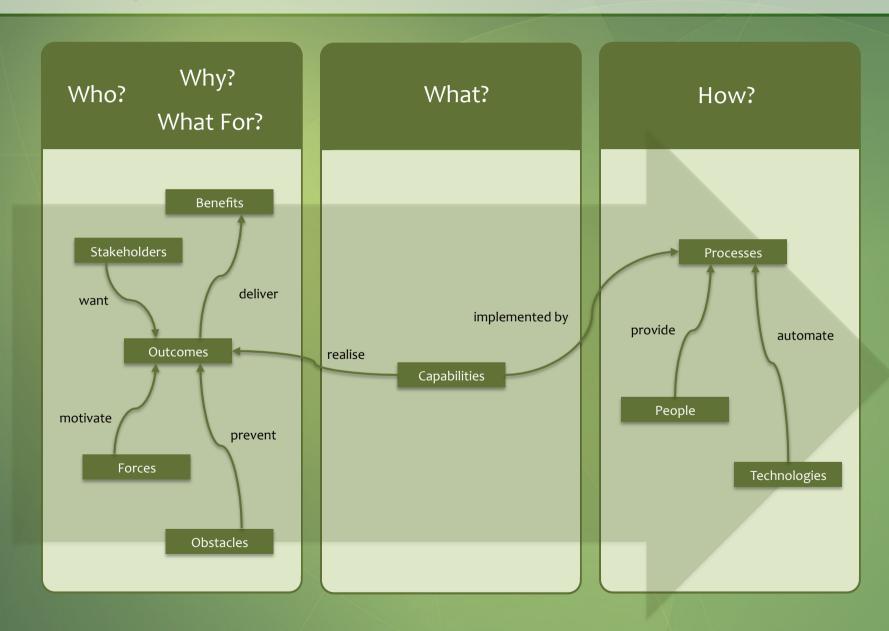


Motivation



Client: Midstream oil and gas

Mind map



Stories, capabilities, services and contracts

What

Stories

Describe goals & outcomes

Capabilities

Resources to realise outcomes

Contracts

Assert interactions between services

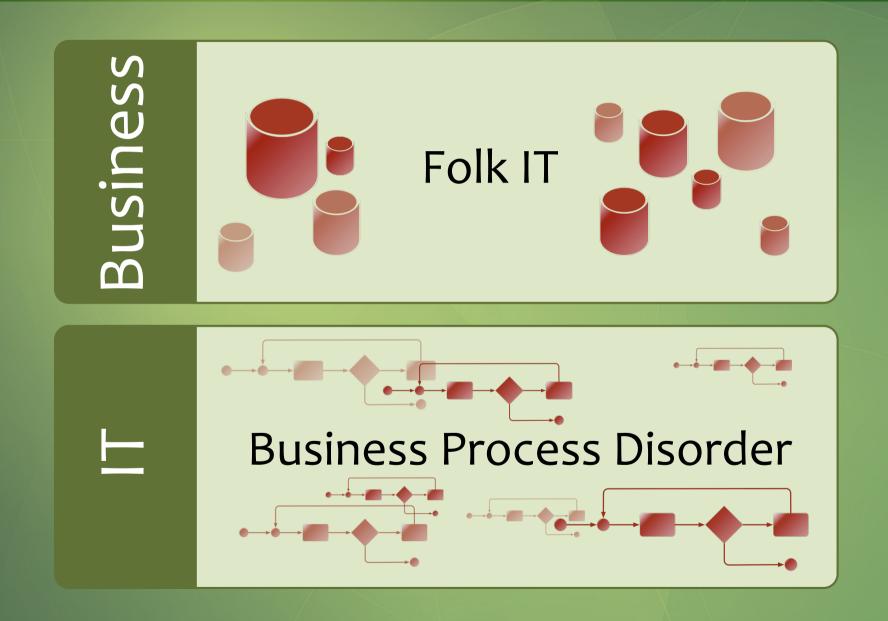
Services

Host capabilities

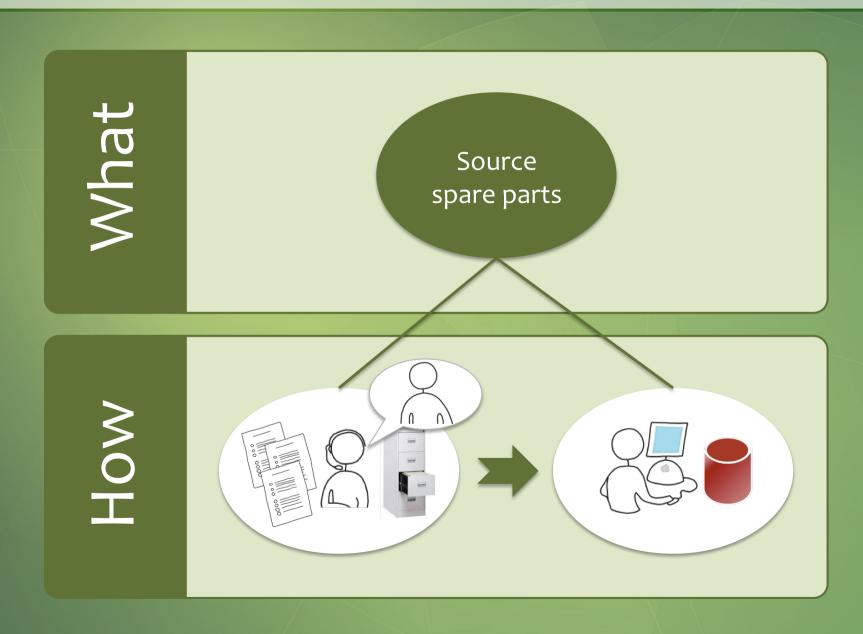
How

Stories and Capabilities

Communication barriers



People change, processes change, technologies change...



Questions, questions...

How (well) do you implement this capability today?

Is it **COPE** 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 join outcomes and capabilities

Story

Role

Value

Feature

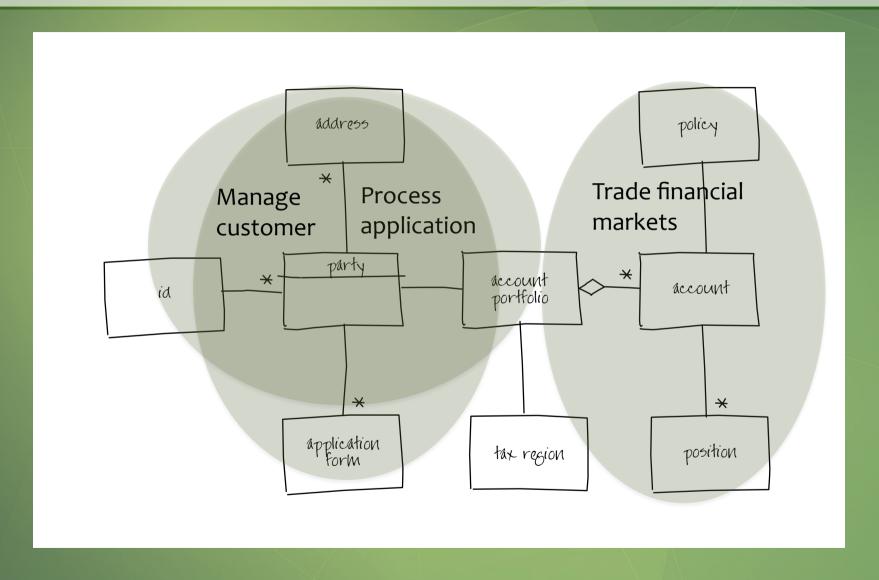
Outcome-focused stories

As a <ro/e>
I want <outcome>
So that <benefit>

Responsibility-focused stories

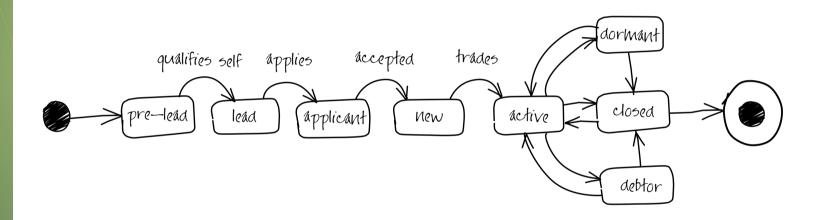
As <role>
I am responsible for <outcome>,
Which delivers <benefit>

Business resource models and bounded contexts



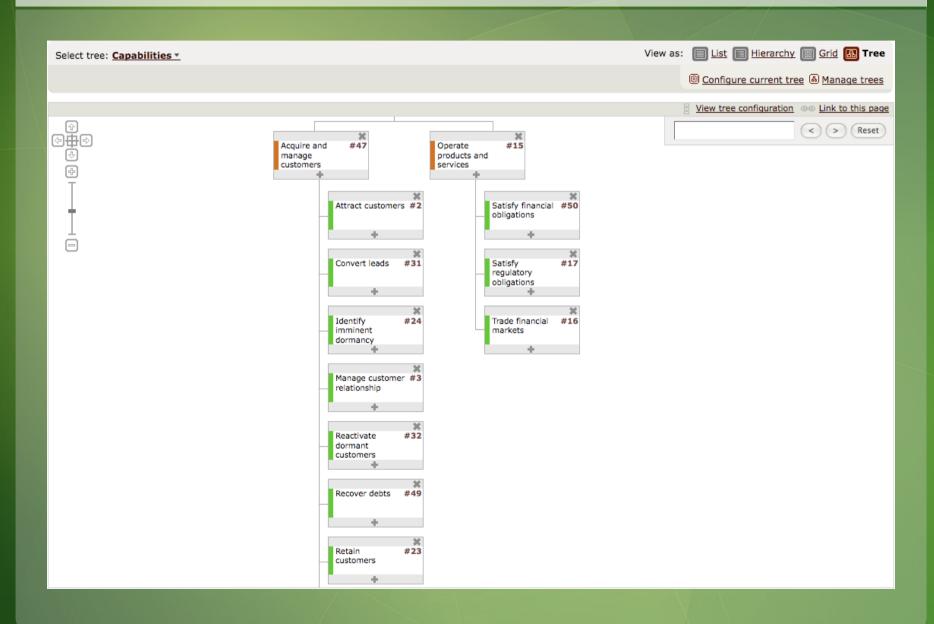
Client: Financial services

Resource lifecycles

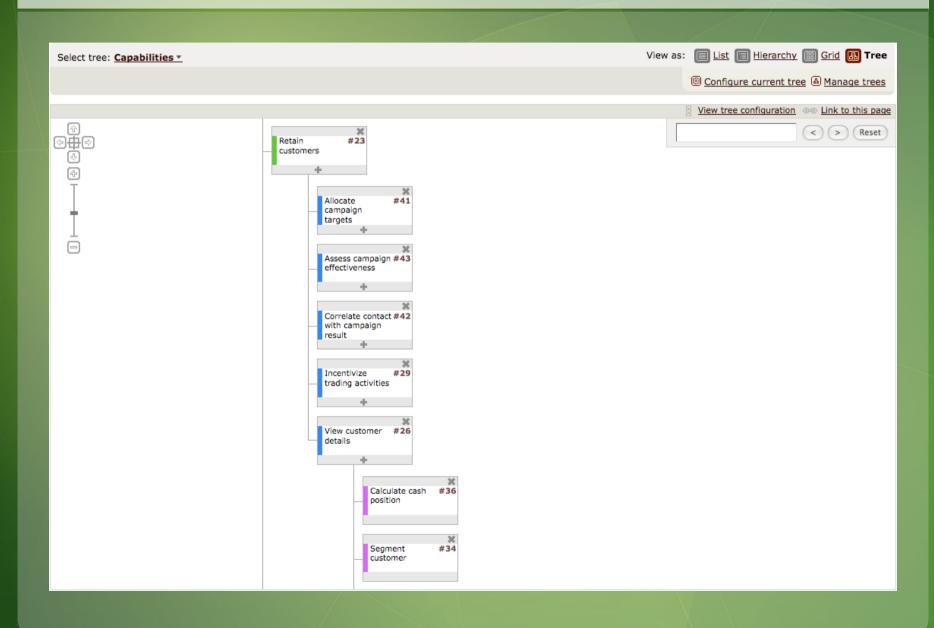


Client: Financial services

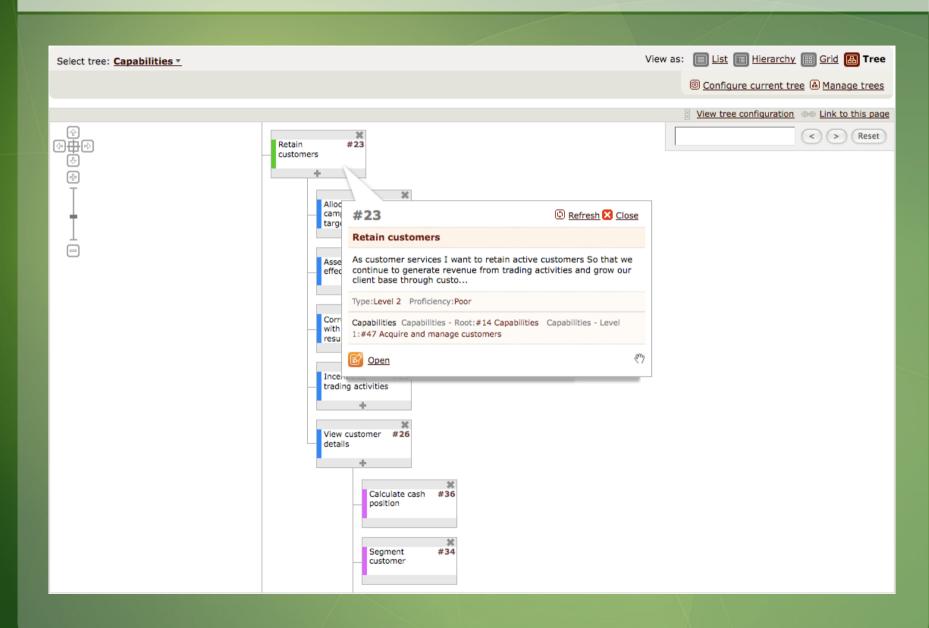
Capability map



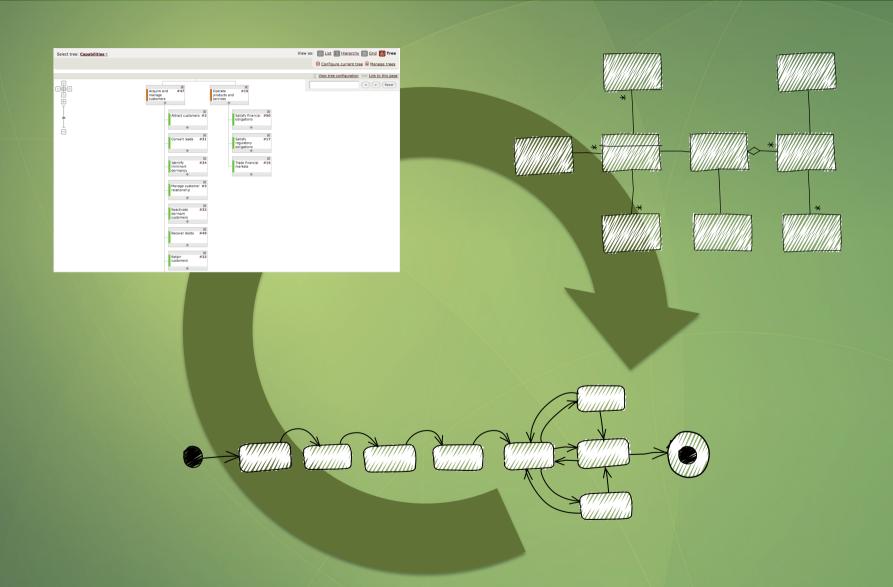
Capability map: sub-capabilities



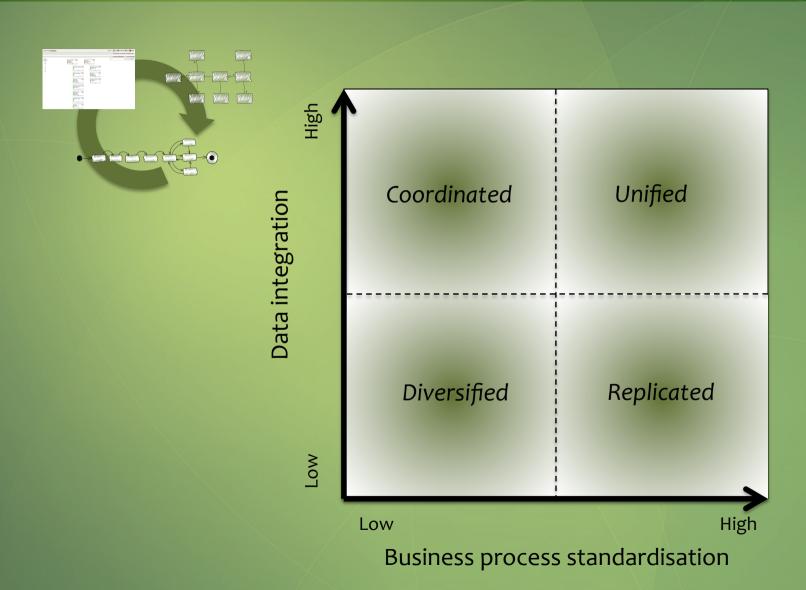
Capabilities and stories



Capabilities control the resource lifecycle

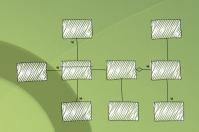


Operating models govern structural relations



Identifying IT artefacts





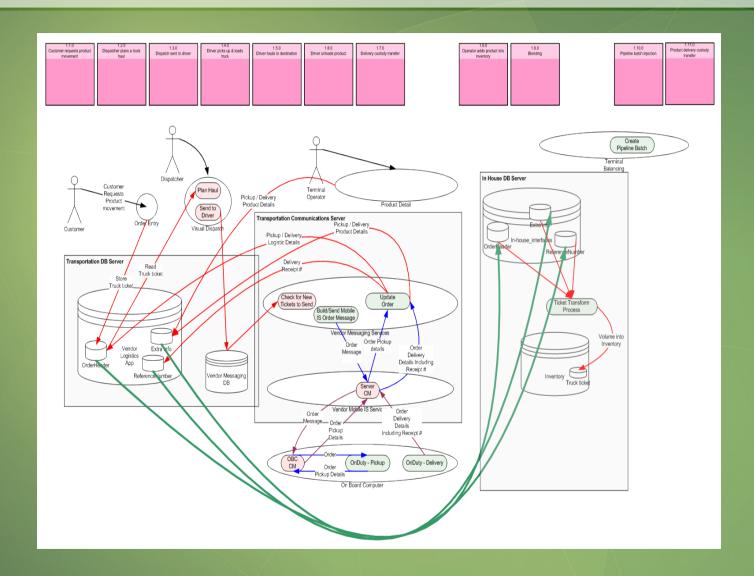


Services

Resources

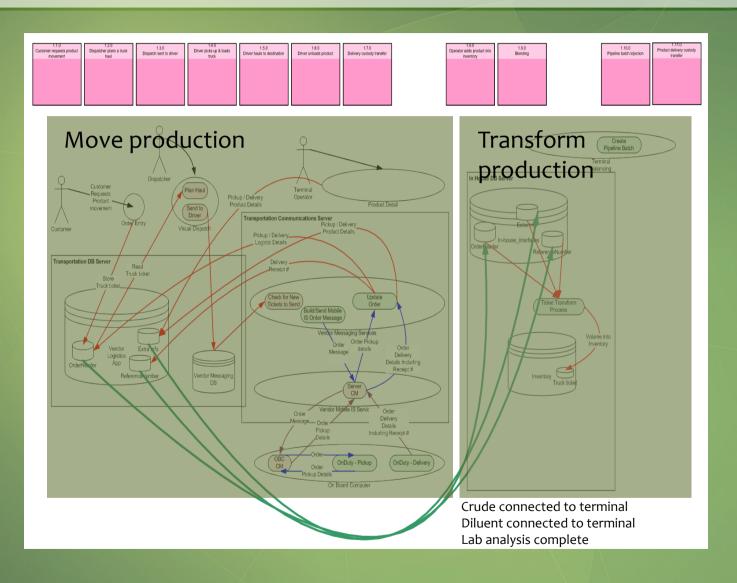
Application protocols

Ground-up capability analysis



Client: Midstream oil and gas

A moment of recognition



Client: Midstream oil and gas

Services and Contracts

Three-layered application architecture

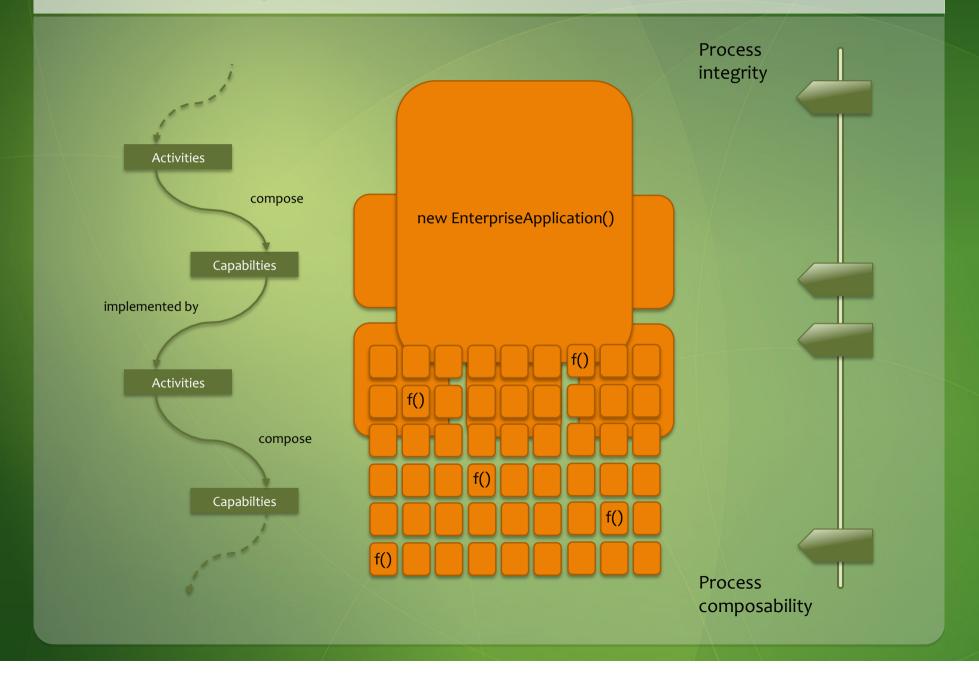
Presentation

Business

Data

And now at distributed proportions! Process Activity Entity

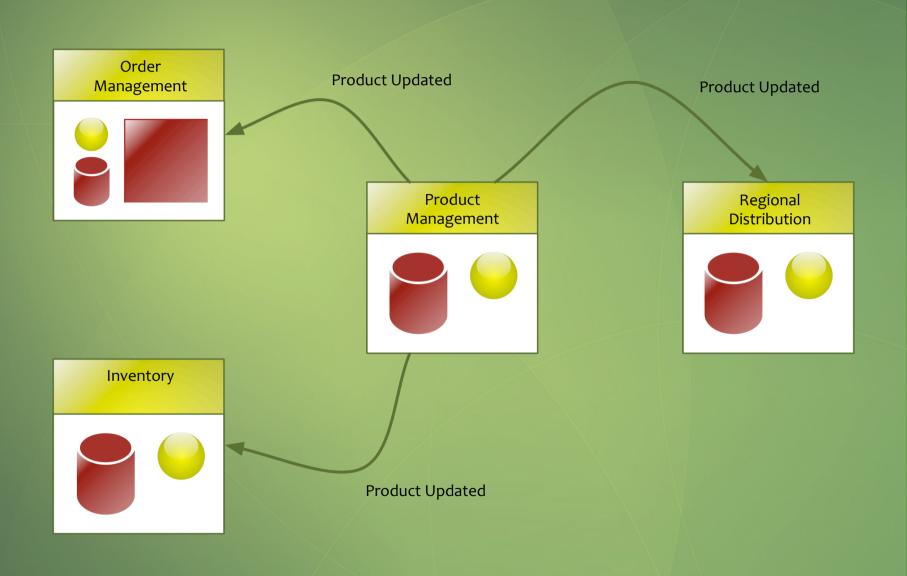
Services host capabilities



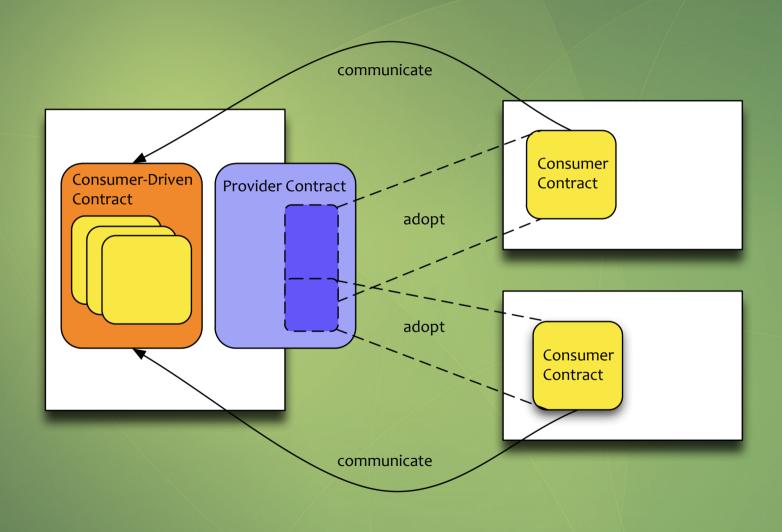
Treat services as consumers

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

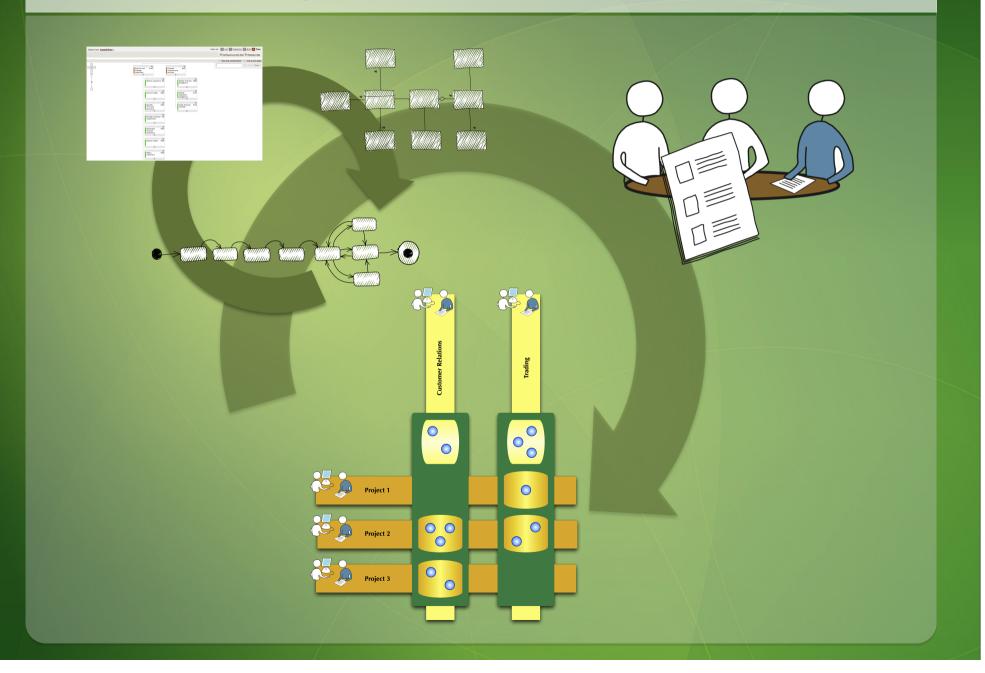


Communicate consumer contracts

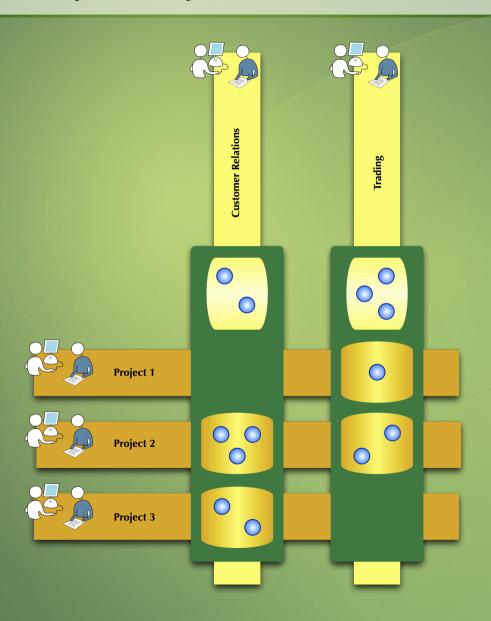


Delivery

Continuous planning



Capability delivery



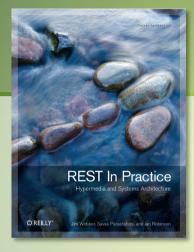
Long-lived capability delivery teams

Visiting projects contribute capital and resource

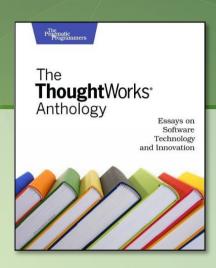
Multiple delivery streams



Client: Communications and entertainment







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