

# Adaptive Socio-Technical Systems w/ Architecture for Flow

Susanne Kaiser Independent Tech Consultant @suksr

## What do these companies have in common?



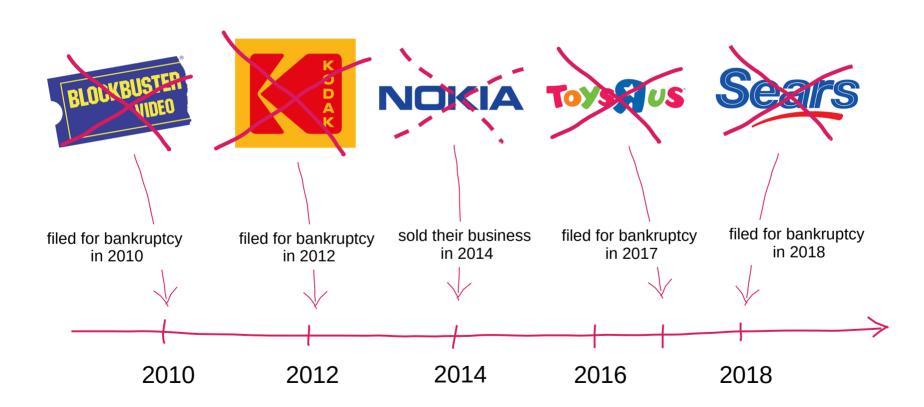


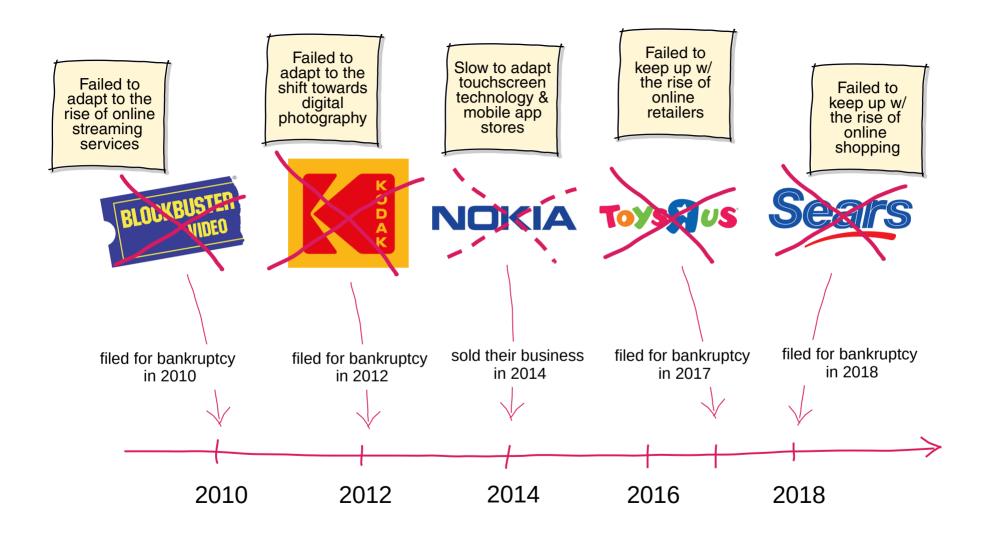


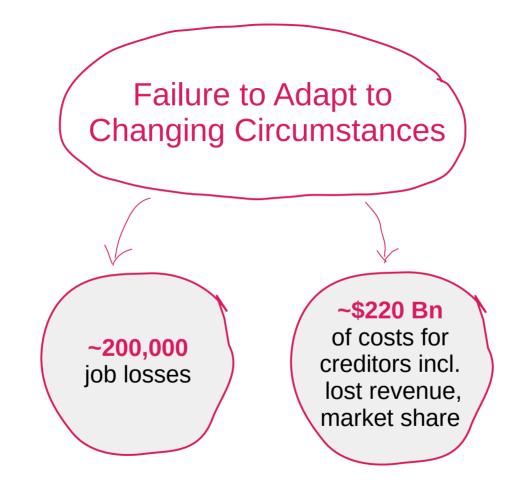












How to design systems that can evolve and thrive in the face of constant change?

Organizations have to continously adapt and evolve to remain competitive

How to design systems that can evolve and thrive in the face of constant change?

Understanding the business landscape and external forces acting on it Knowing the business domain & closely align system to business & user needs

Aligning teams and evolving their interactions to the system & strategy How to design systems that can evolve and thrive in the face of constant change?

Understanding the business landscape and external forces acting on it

Wardley Mapping

Knowing
the business
domain & closely
align system to
business & user
needs

Domain-Driven Design

Aligning teams and evolving their interactions to the system & strategy

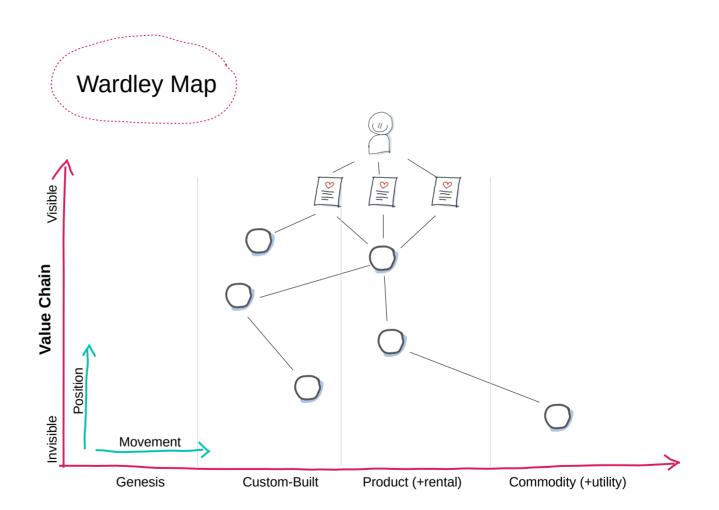
Team Topologies

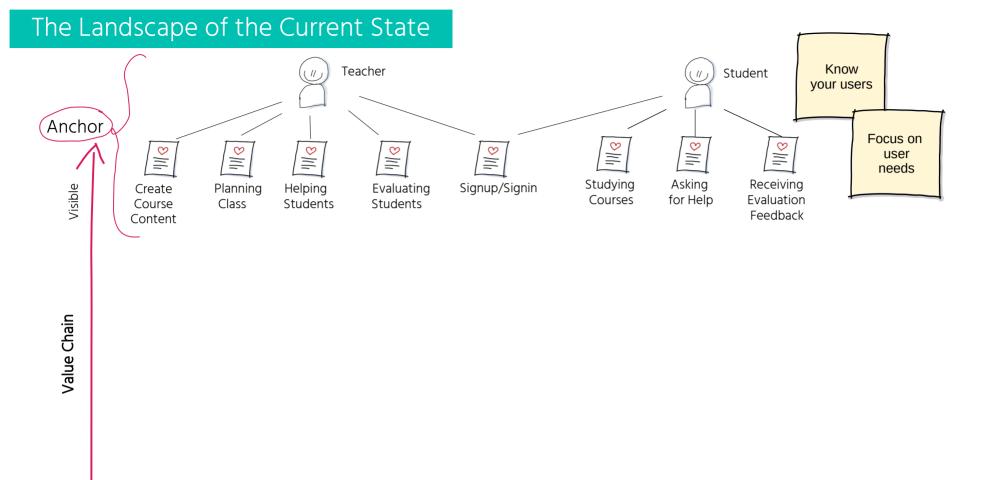
# Evolving a Legacy System



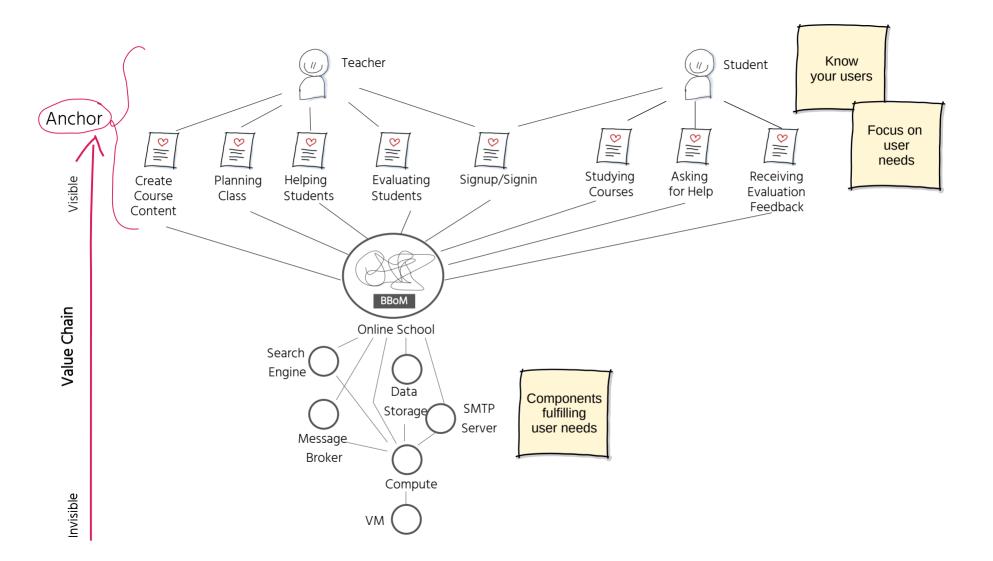
Image source: https://www.food-management.com

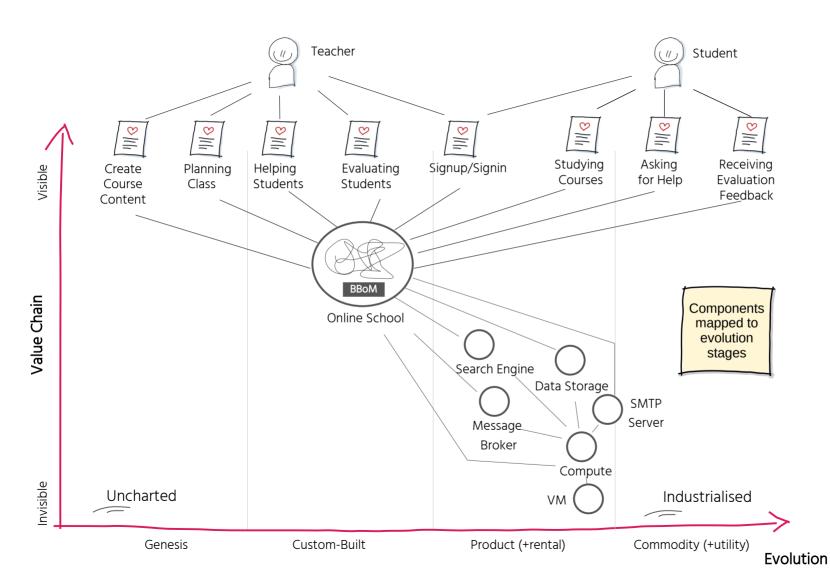
Understanding the business landscape

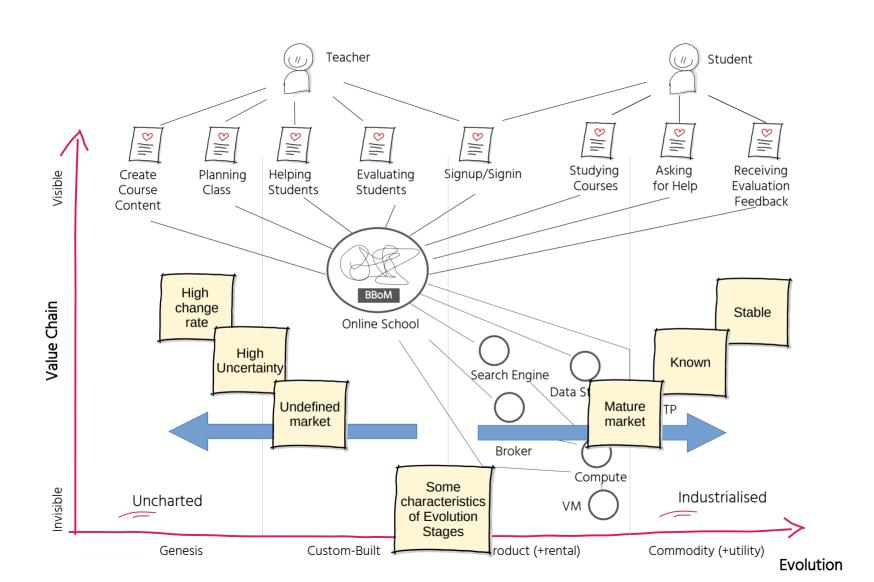




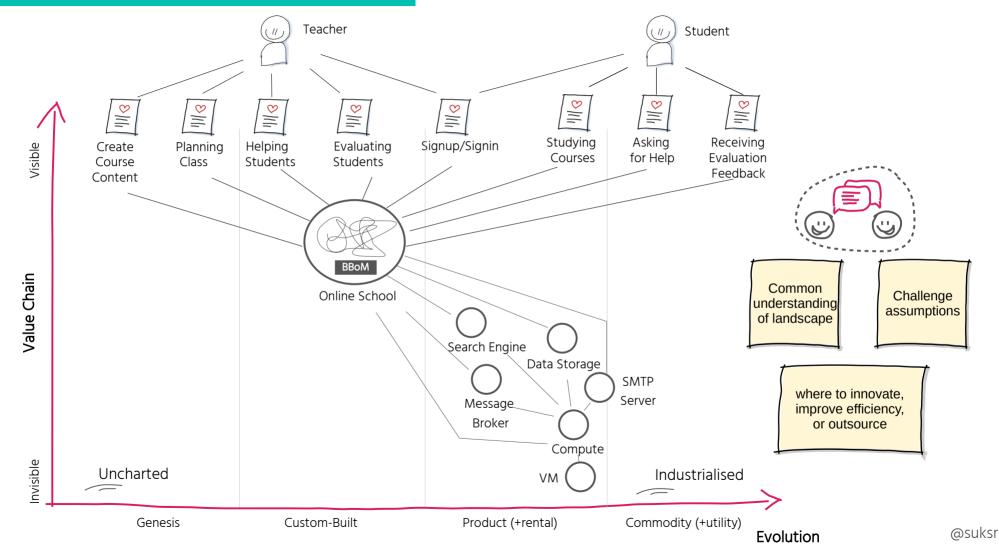
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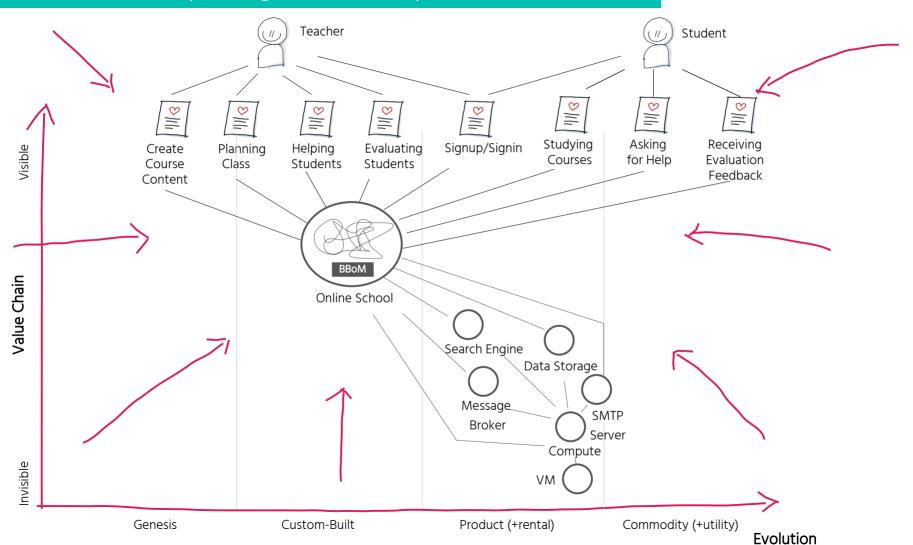


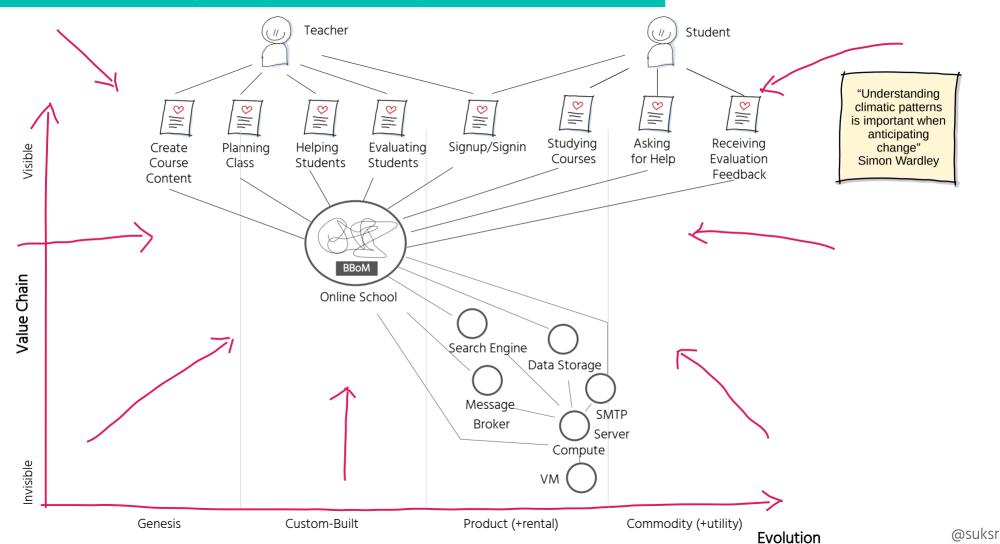


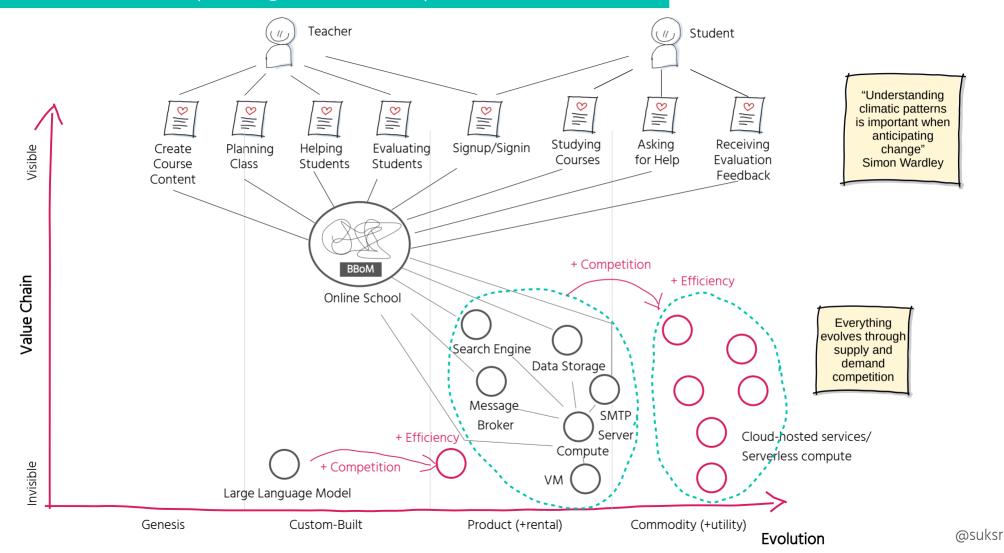


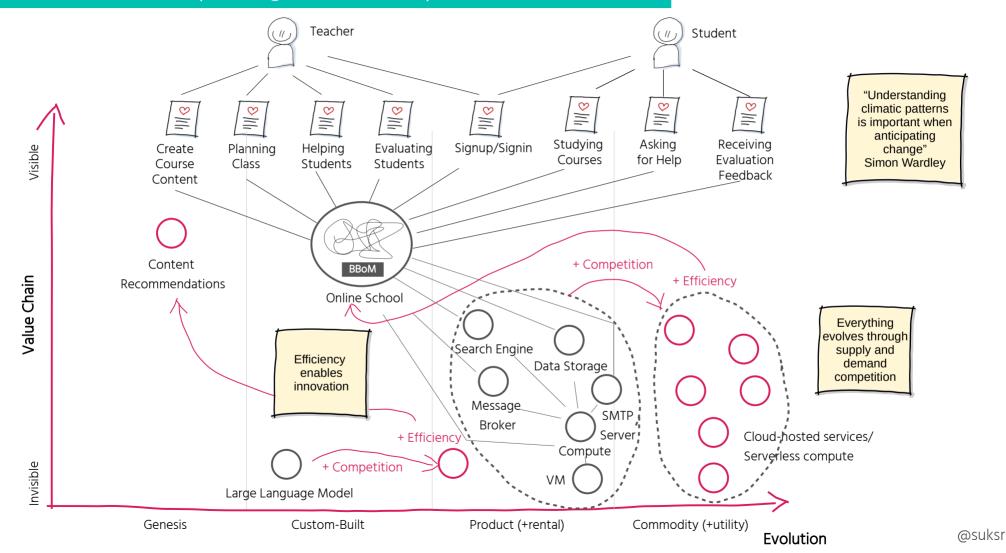
## A Wardley Map of the Current State

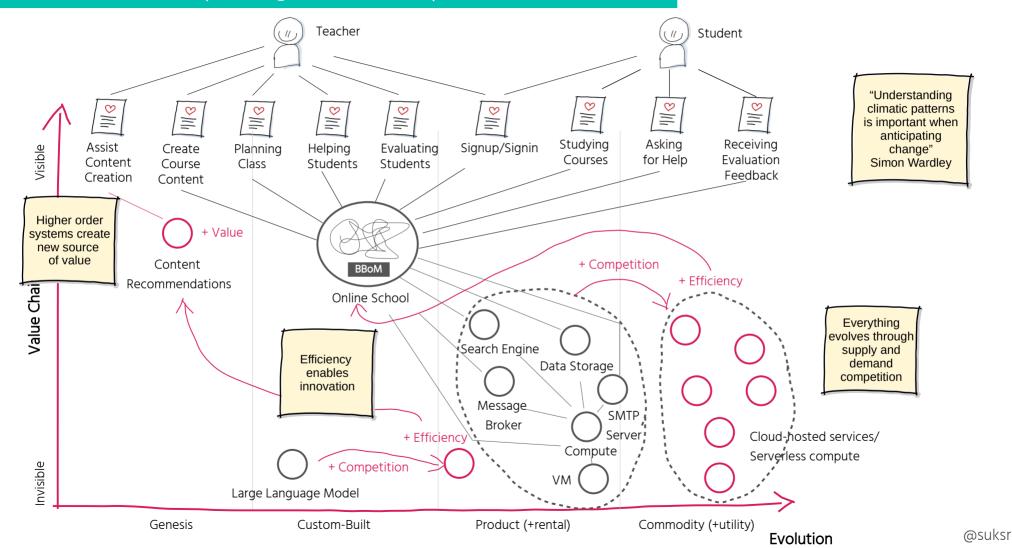




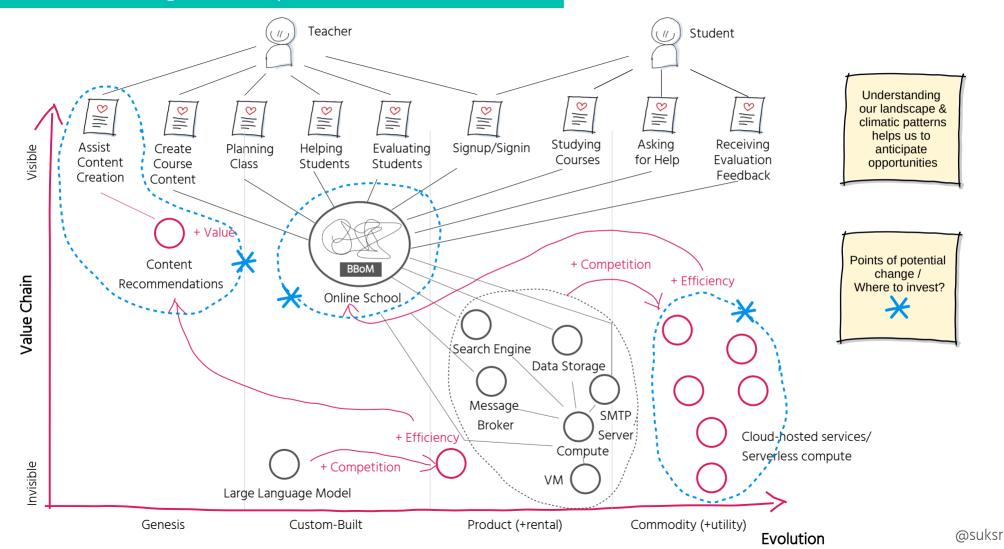


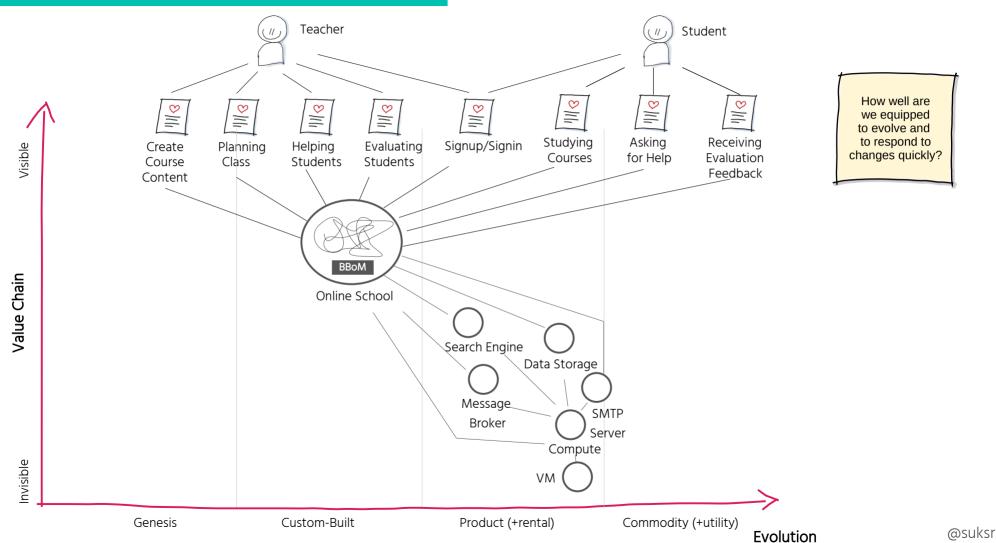


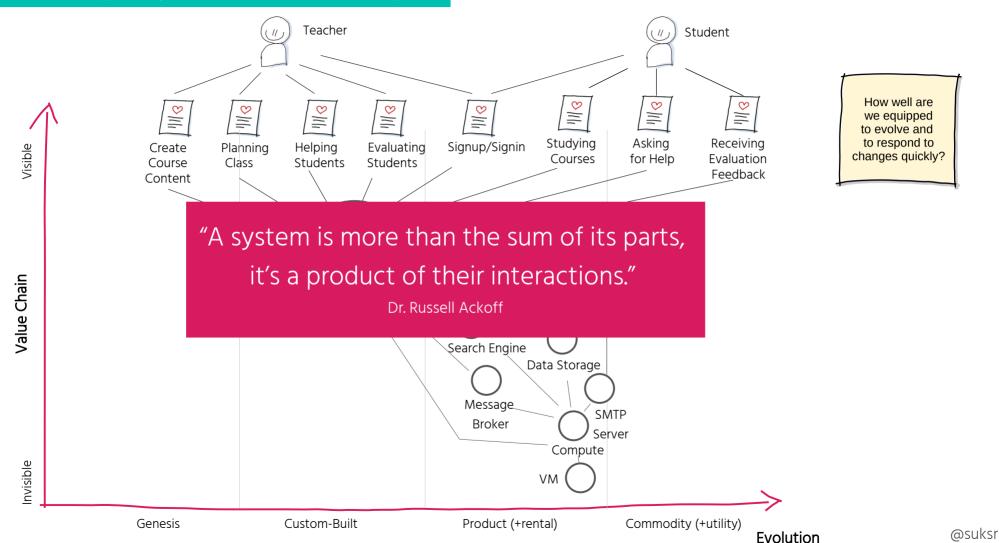


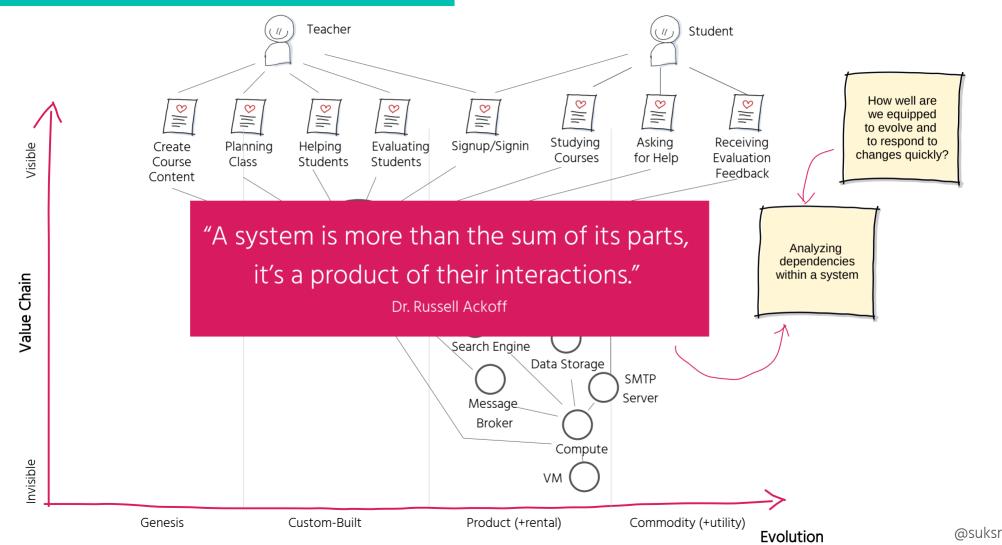


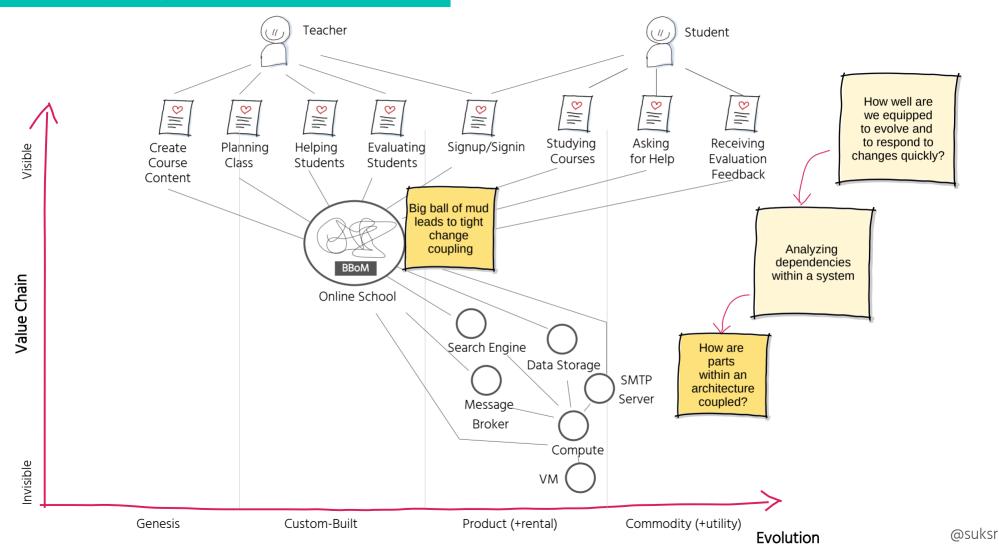
#### Understanding Landscape & Climatic Patterns

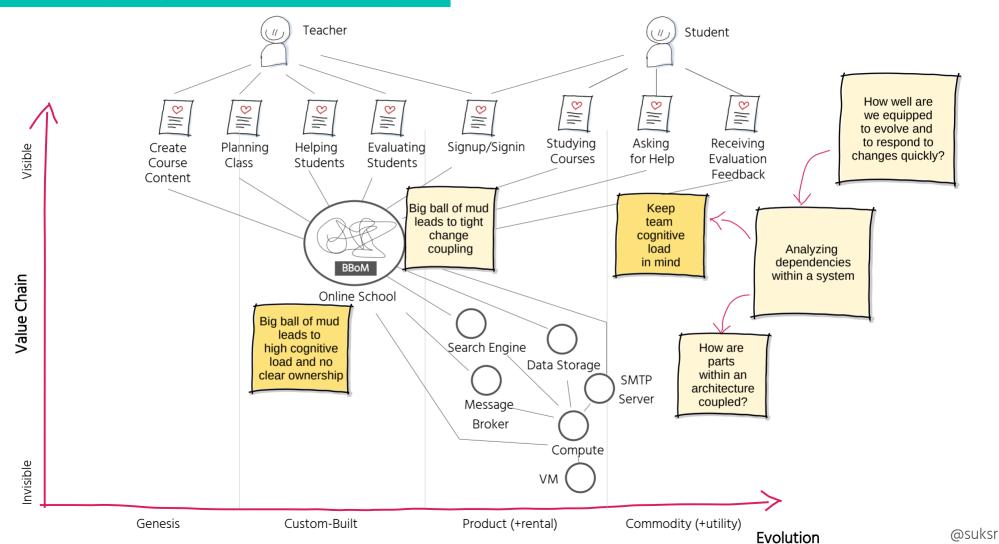


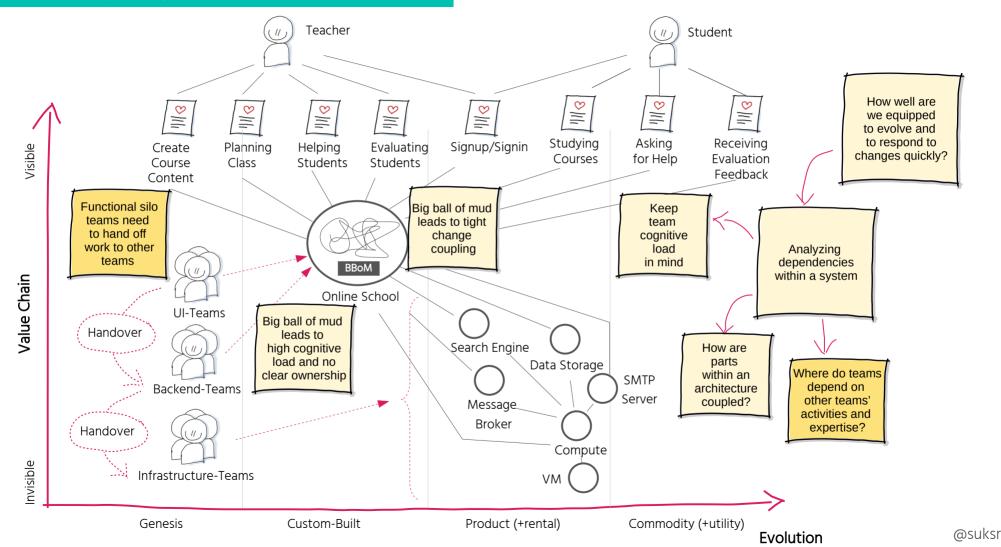


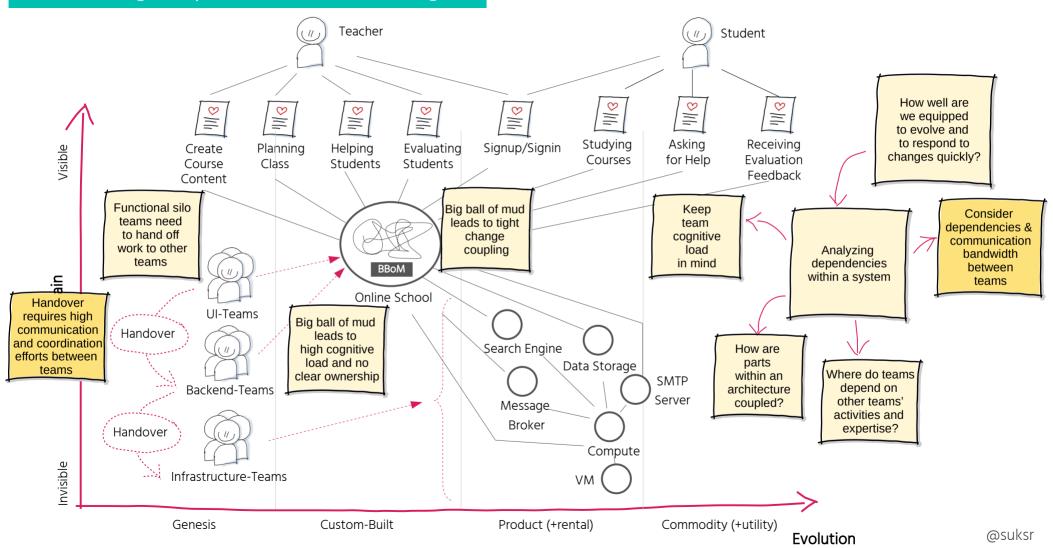


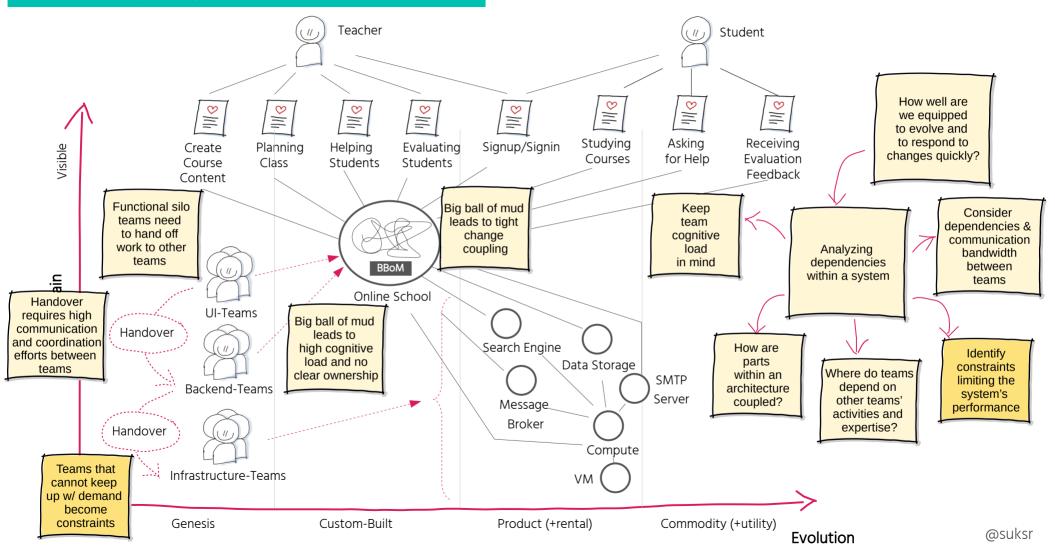


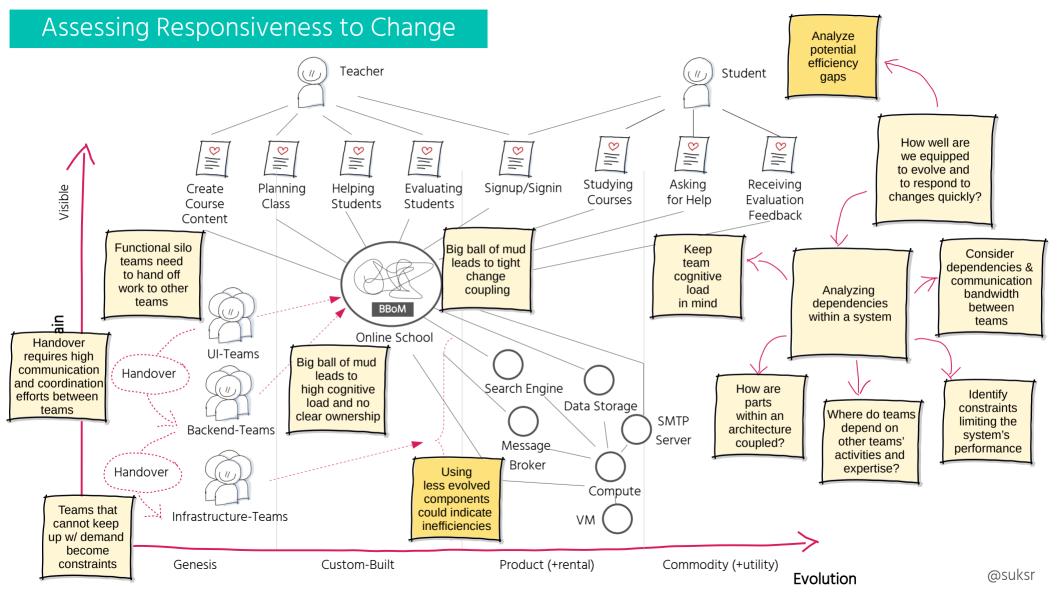


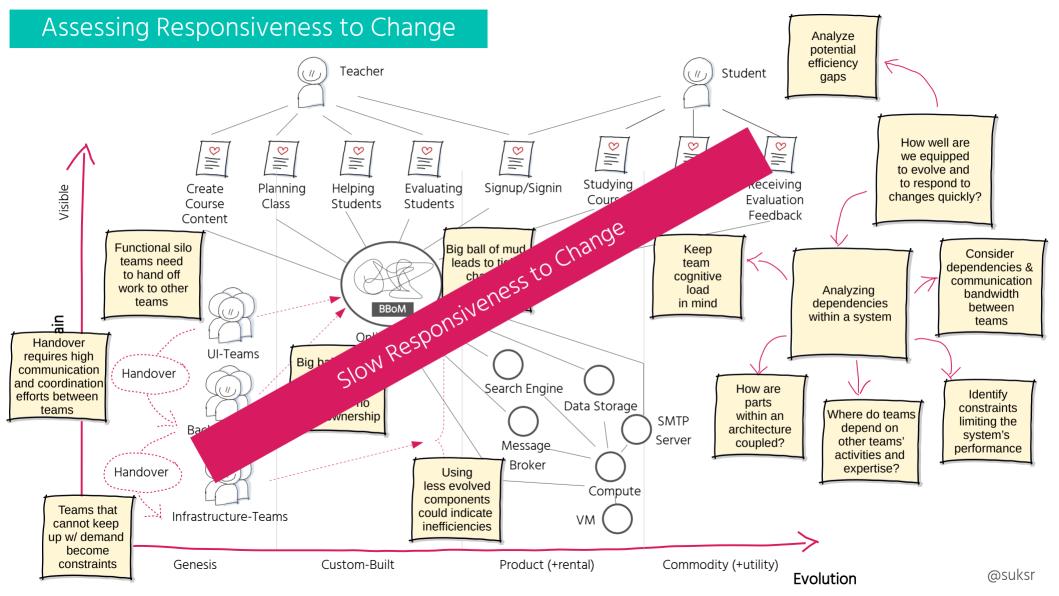




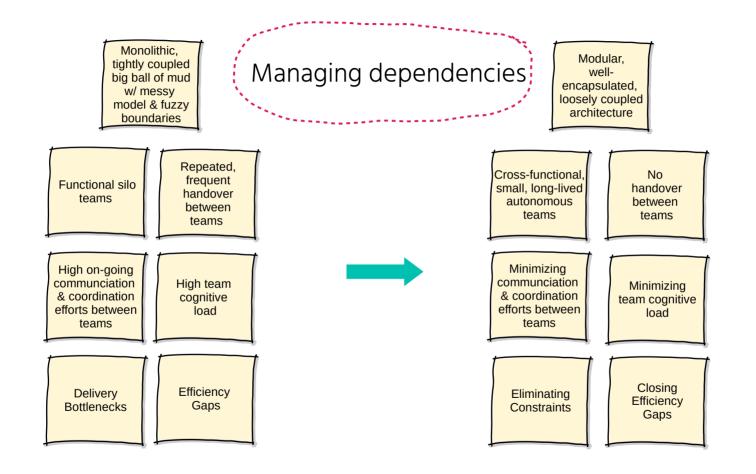




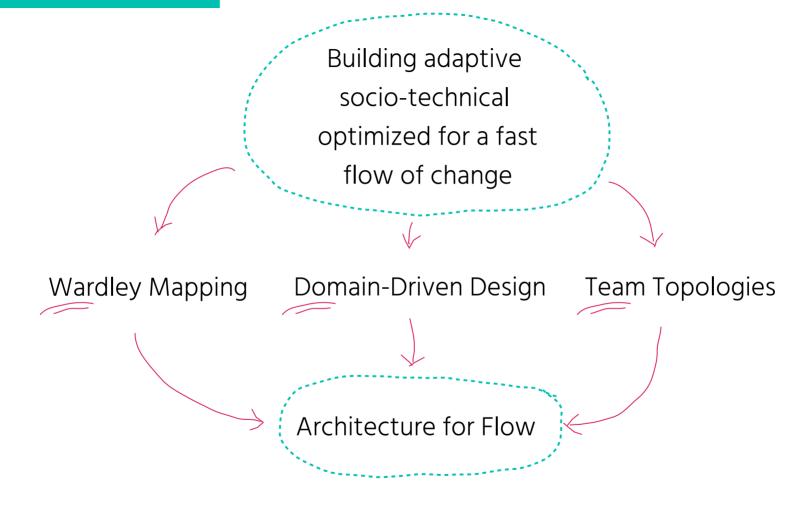




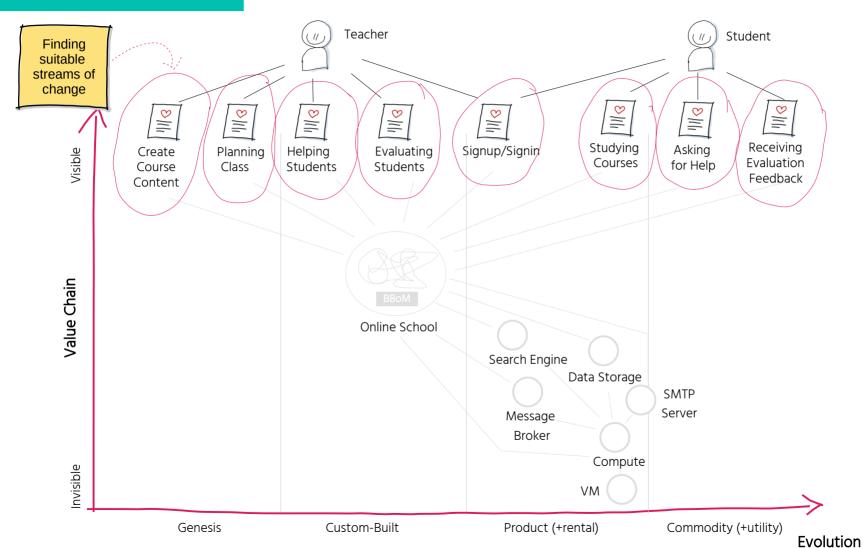
#### Optmizing Flow of Change



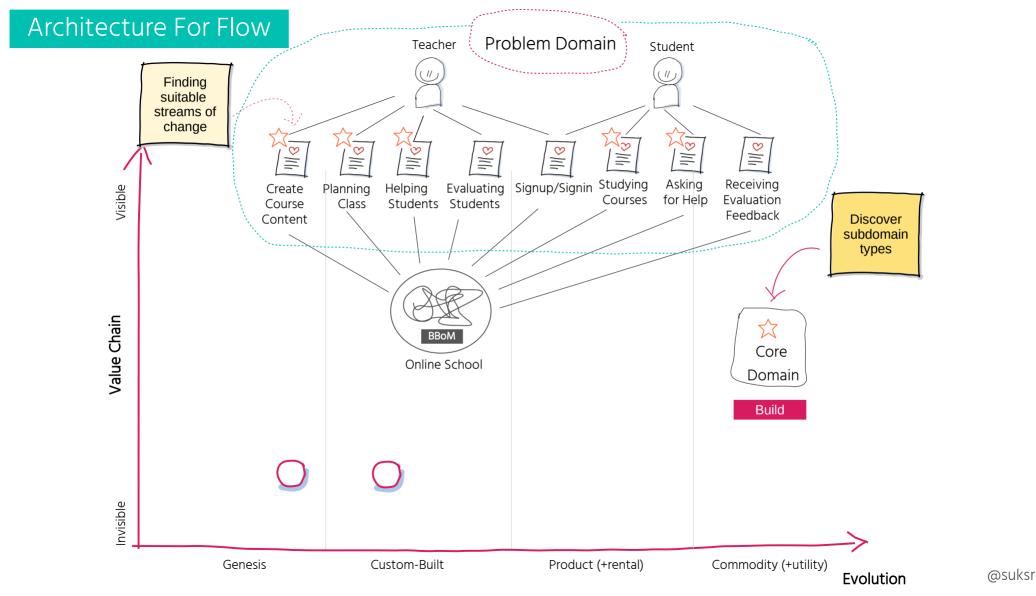
#### Architecture for Flow

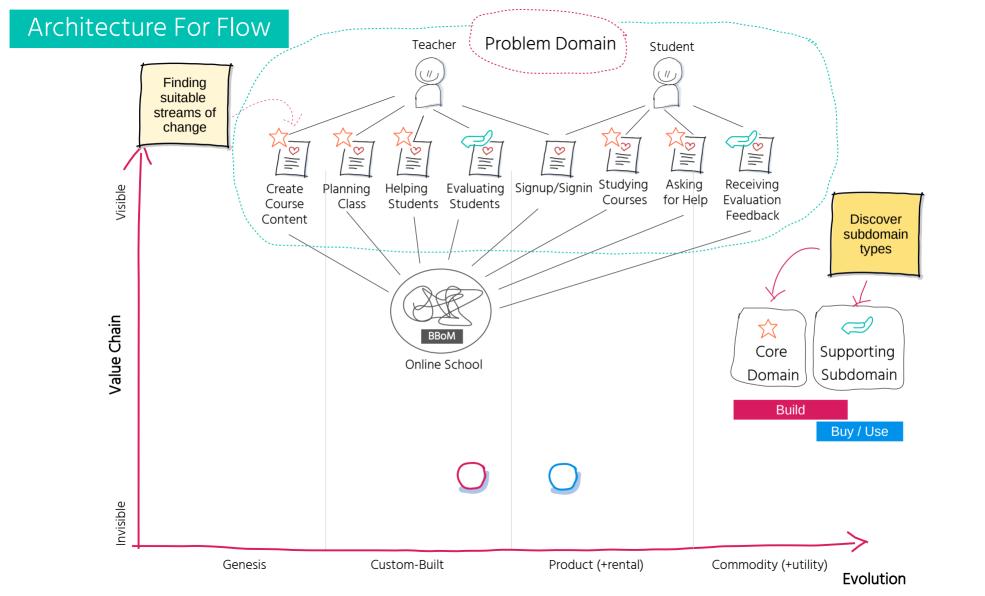


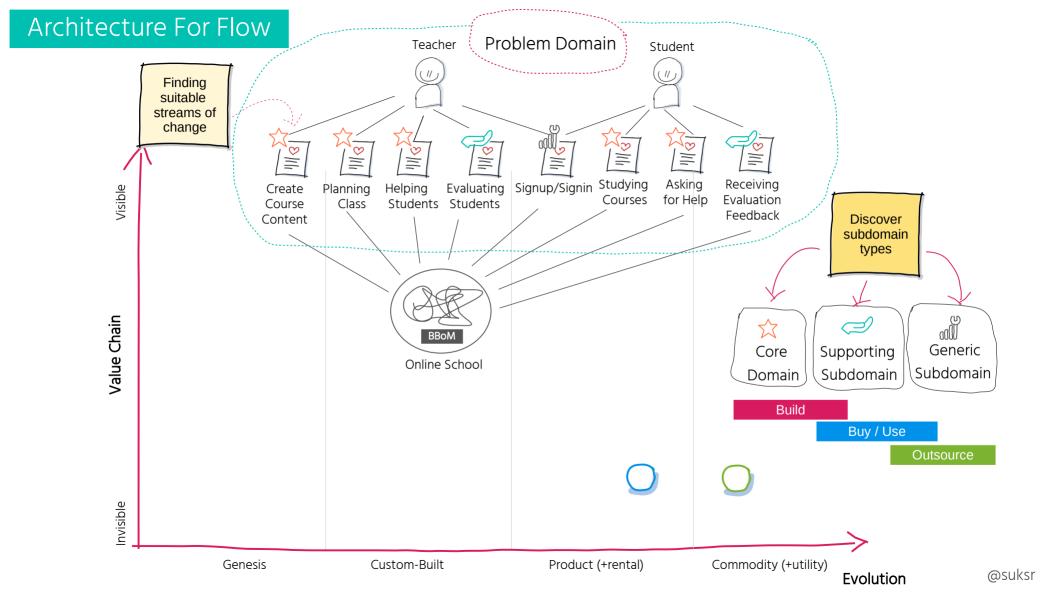
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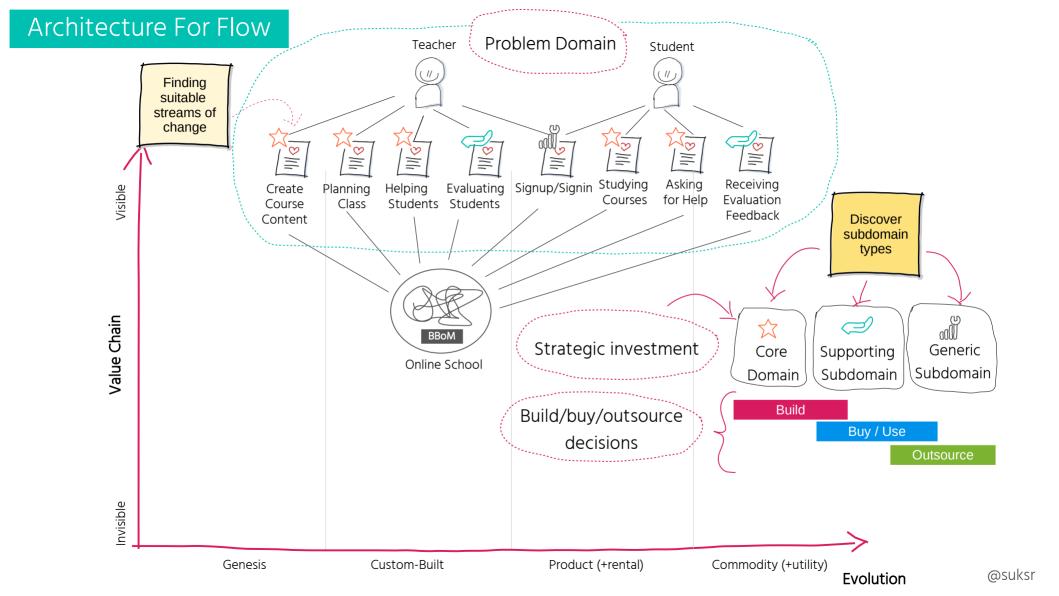


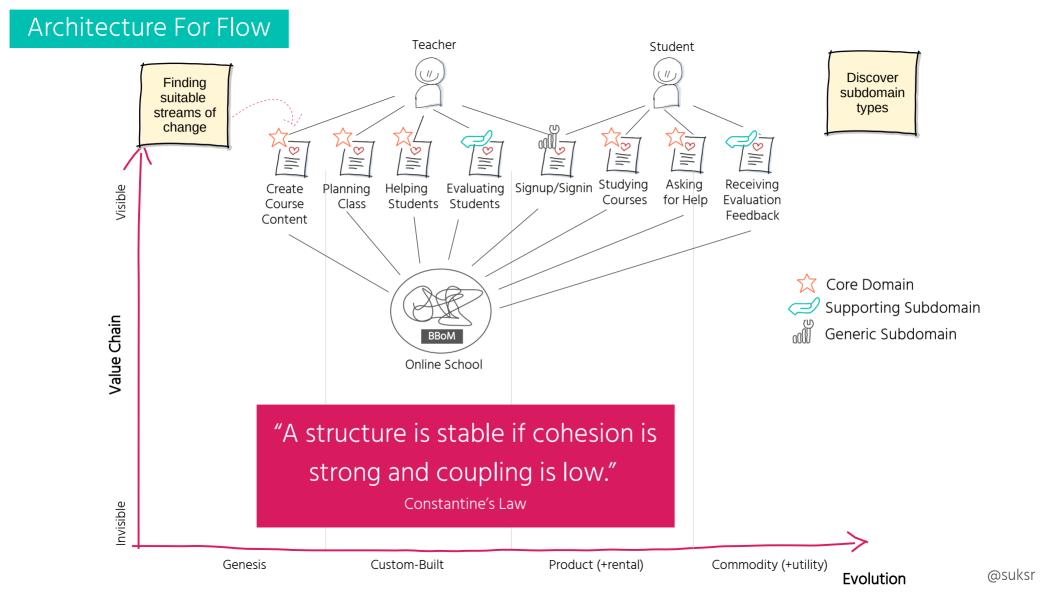
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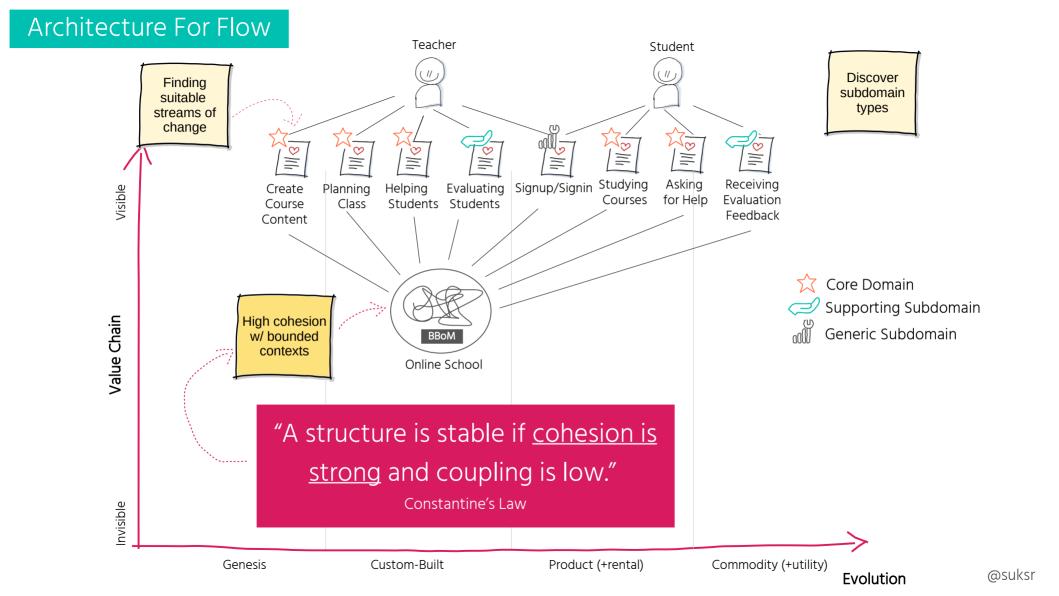


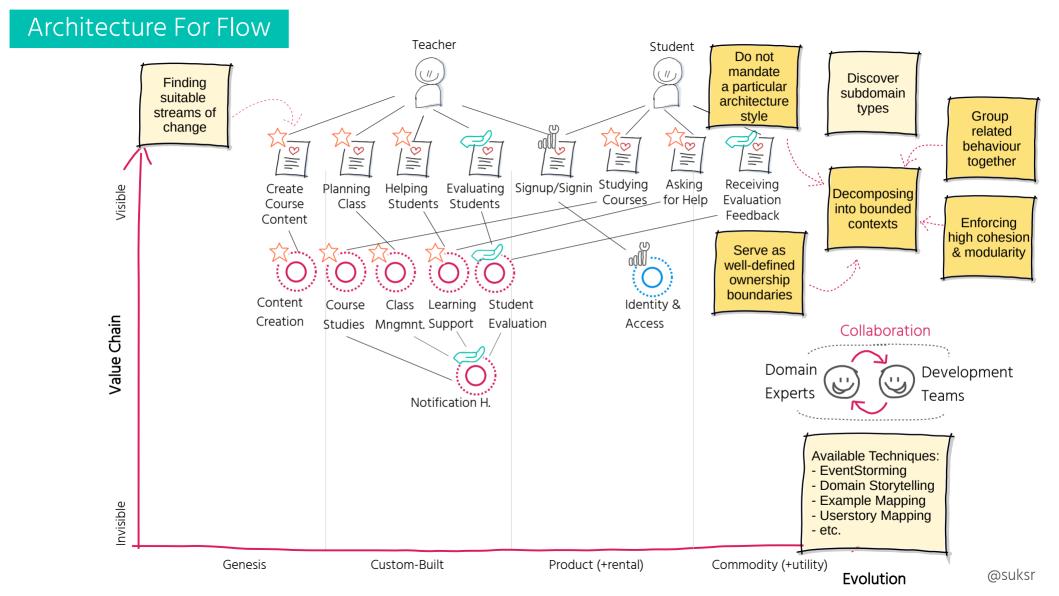


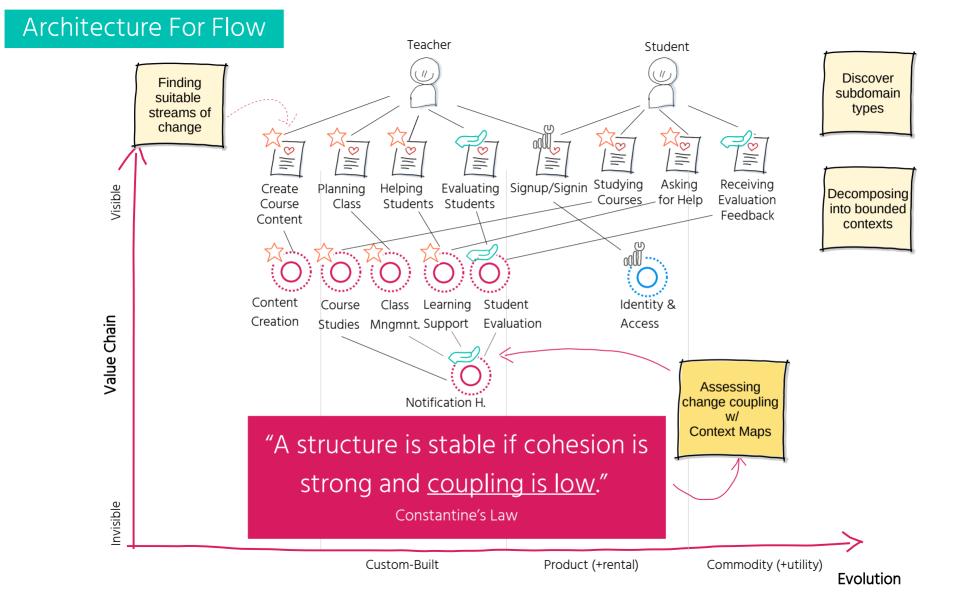


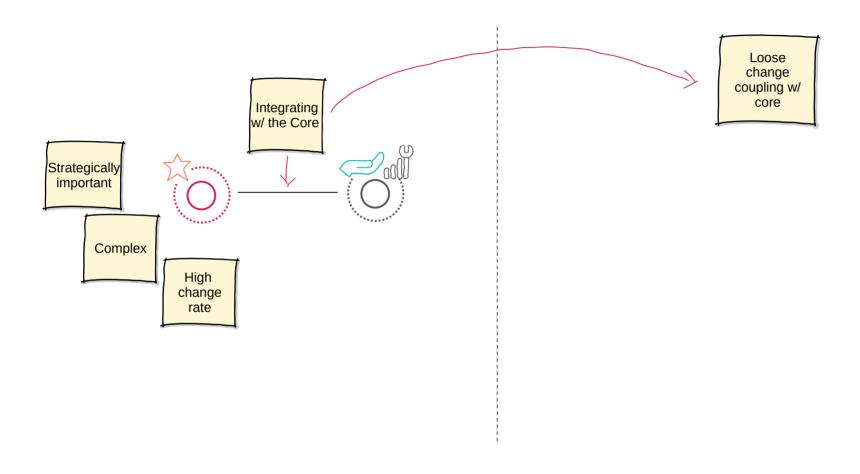


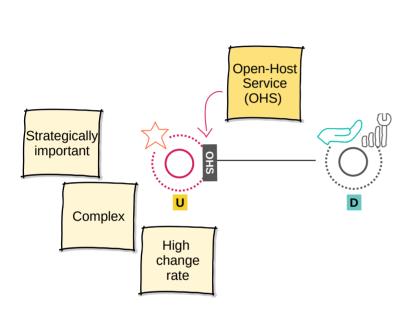


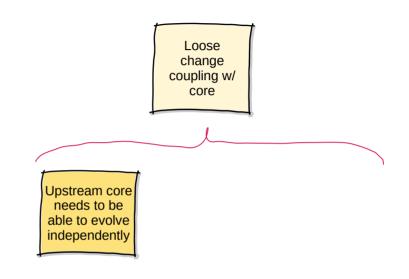


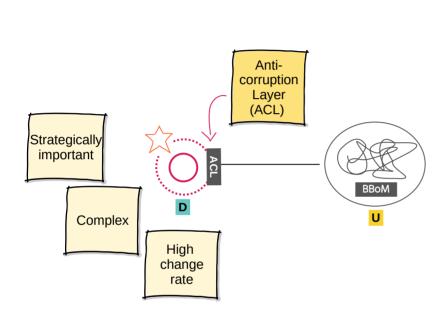


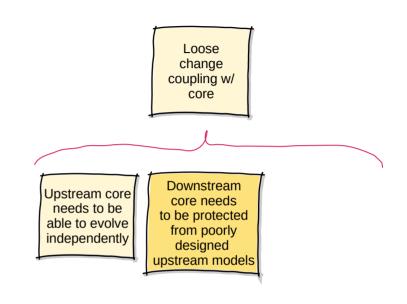


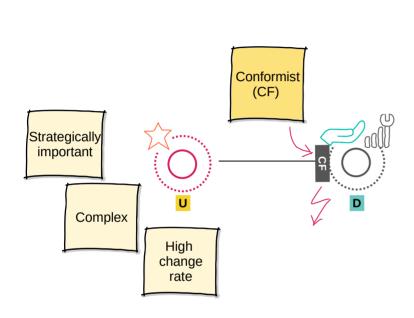


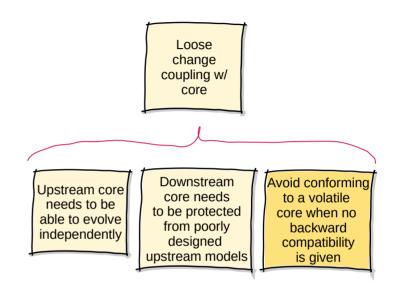


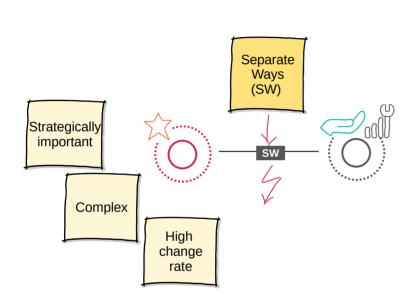


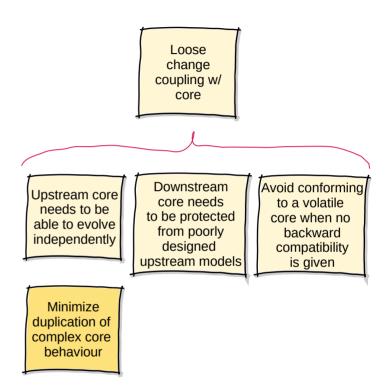


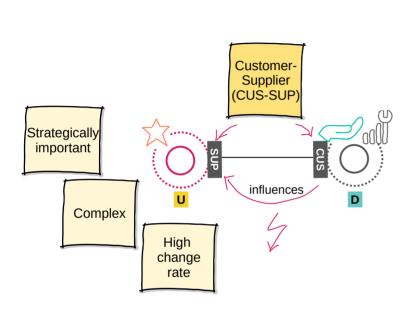


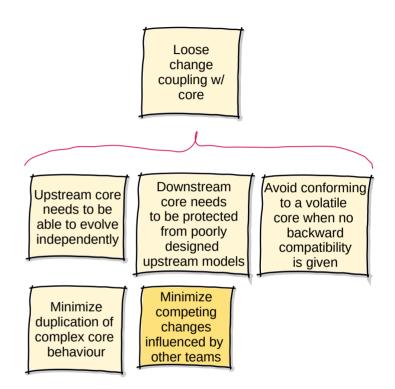


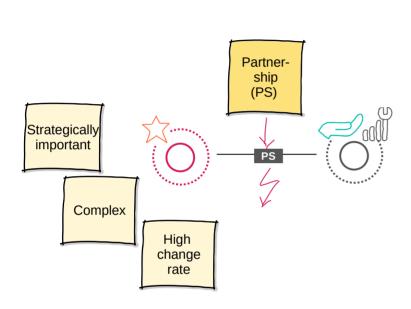


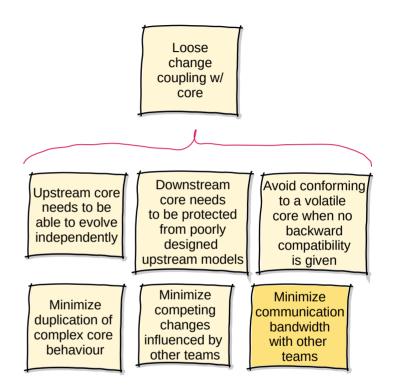


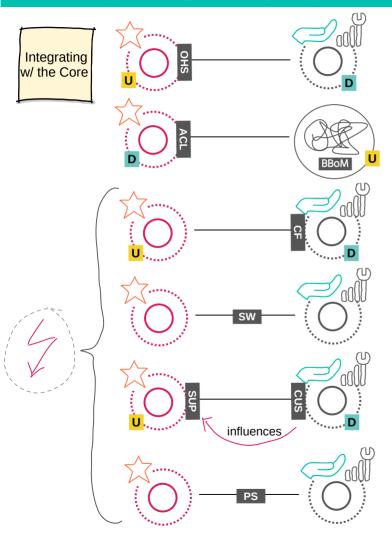


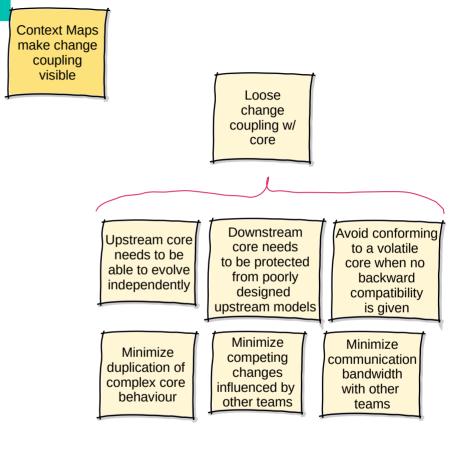


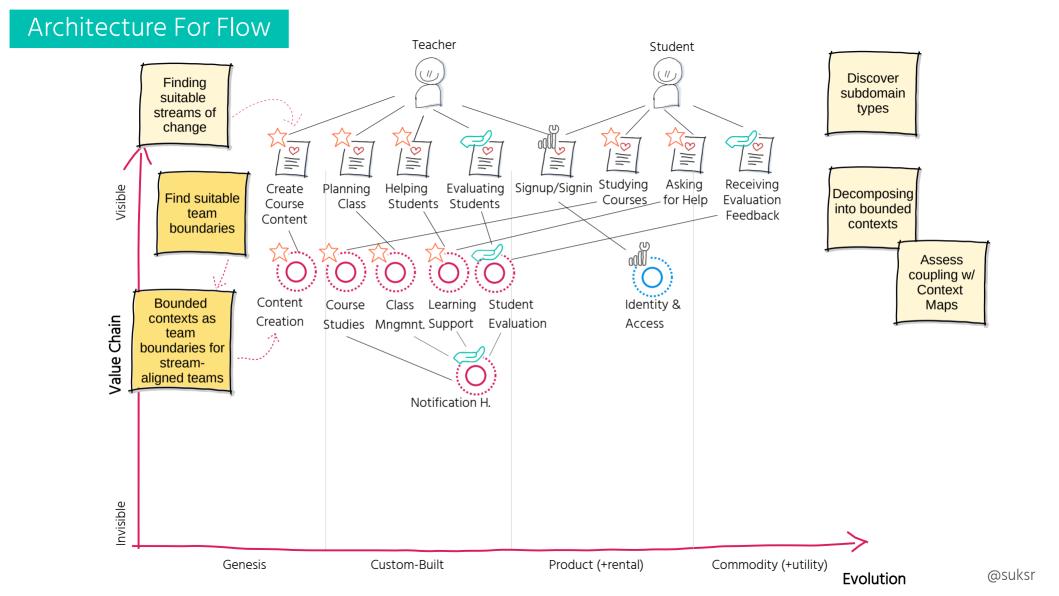


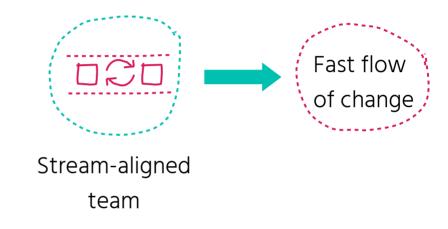


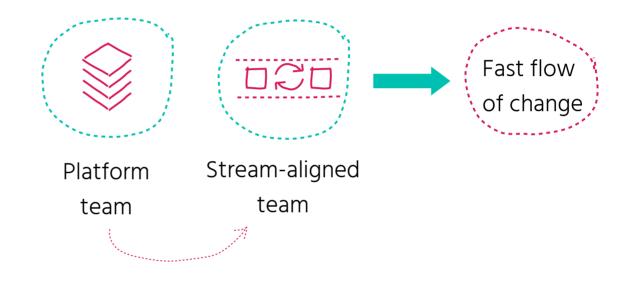


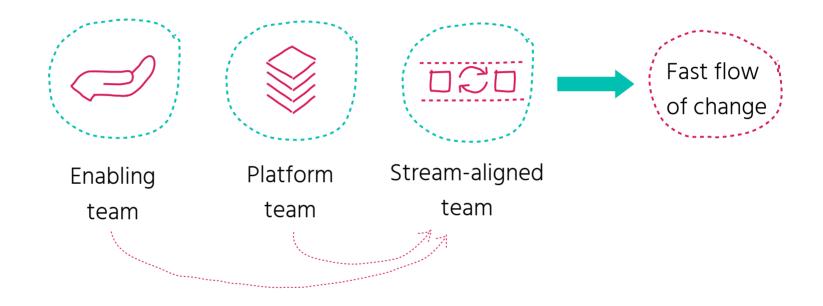


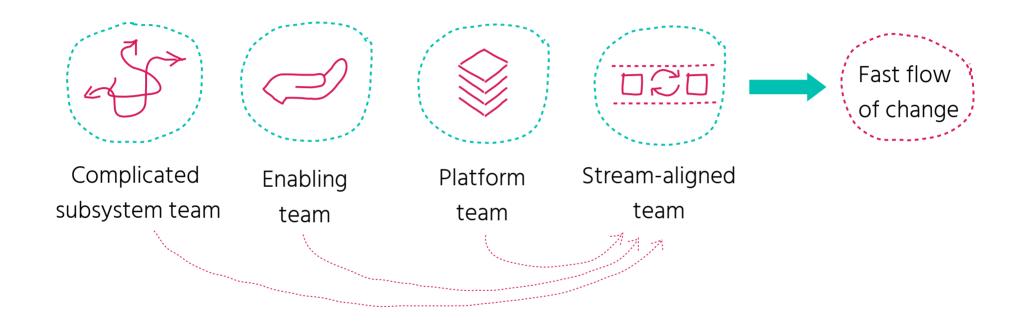


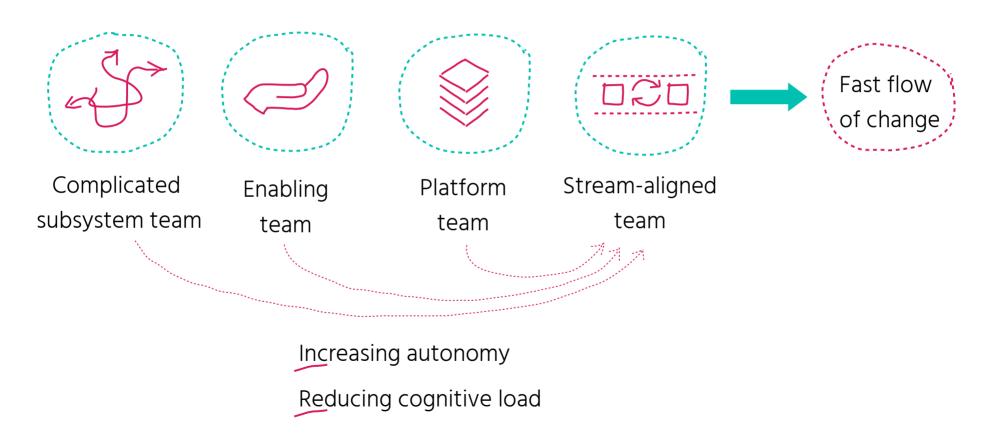




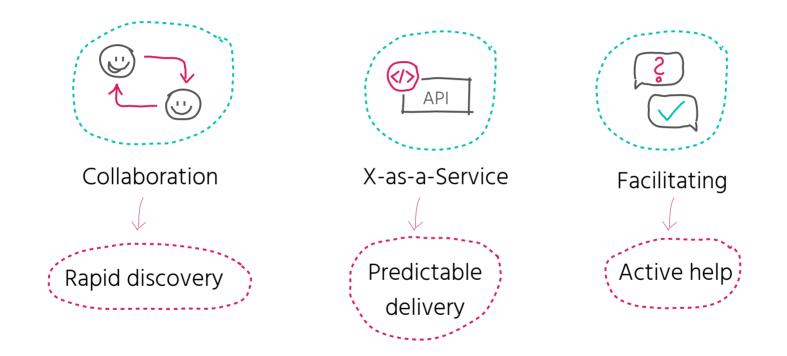


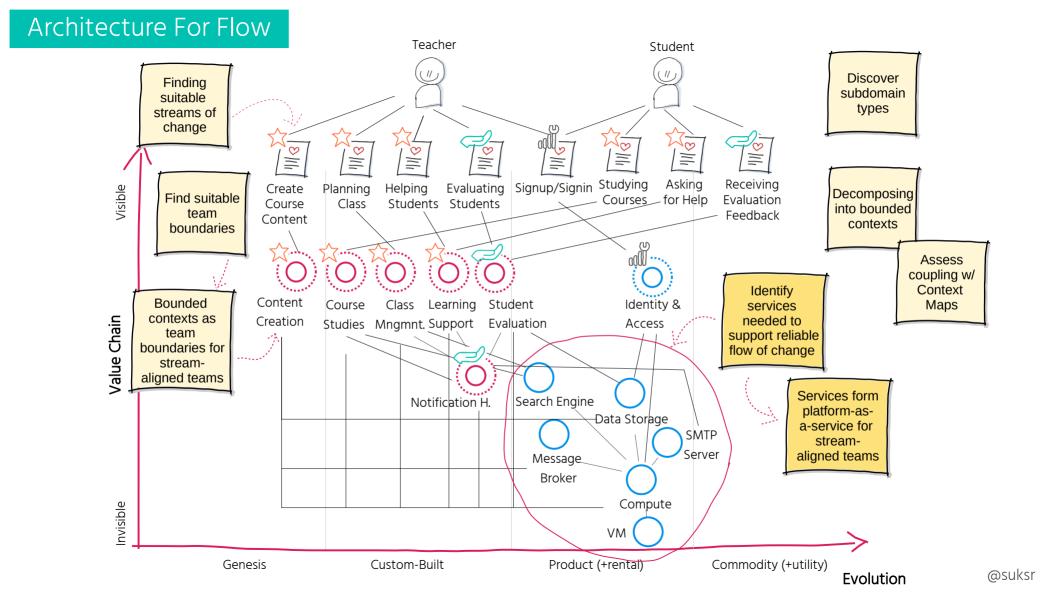


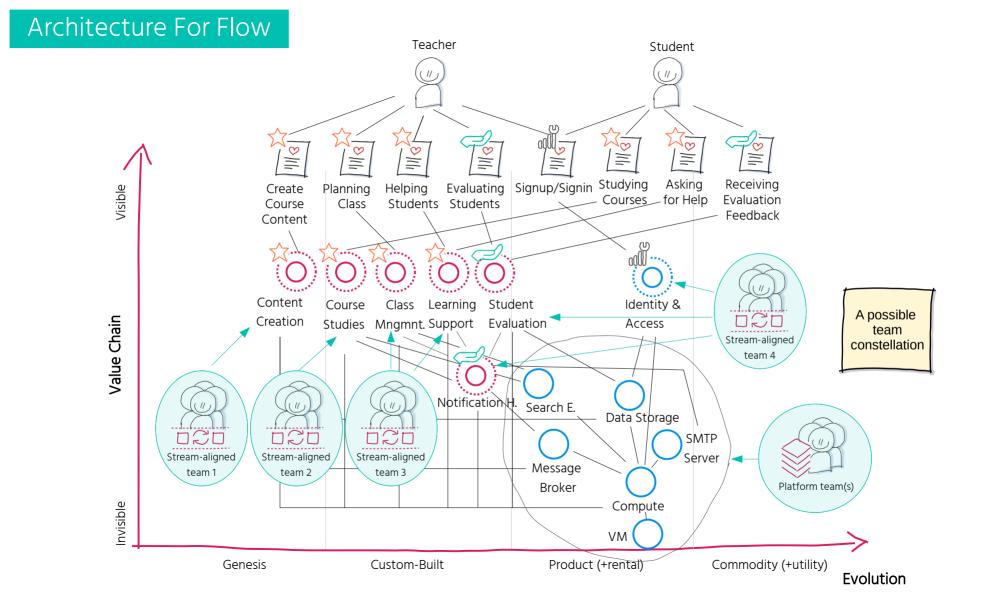




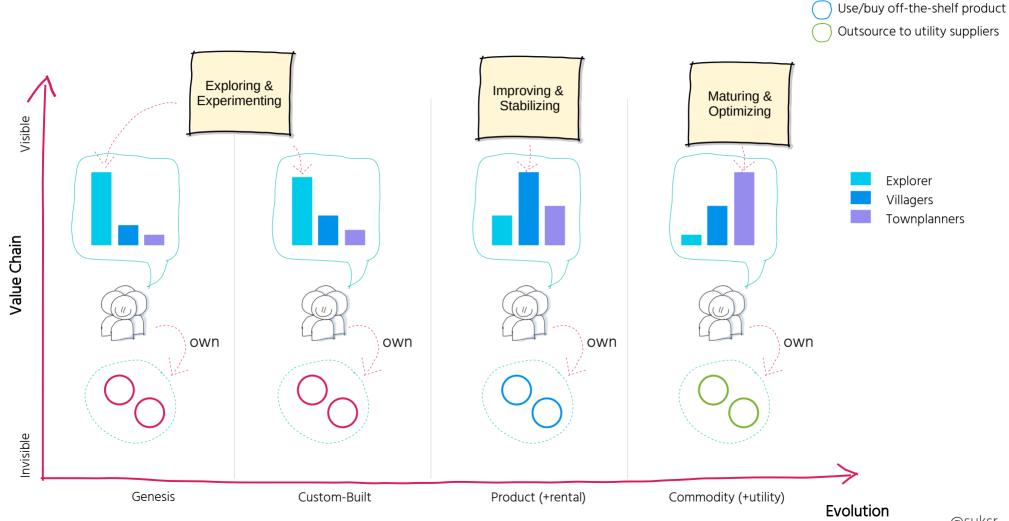
### Three Interaction Modes





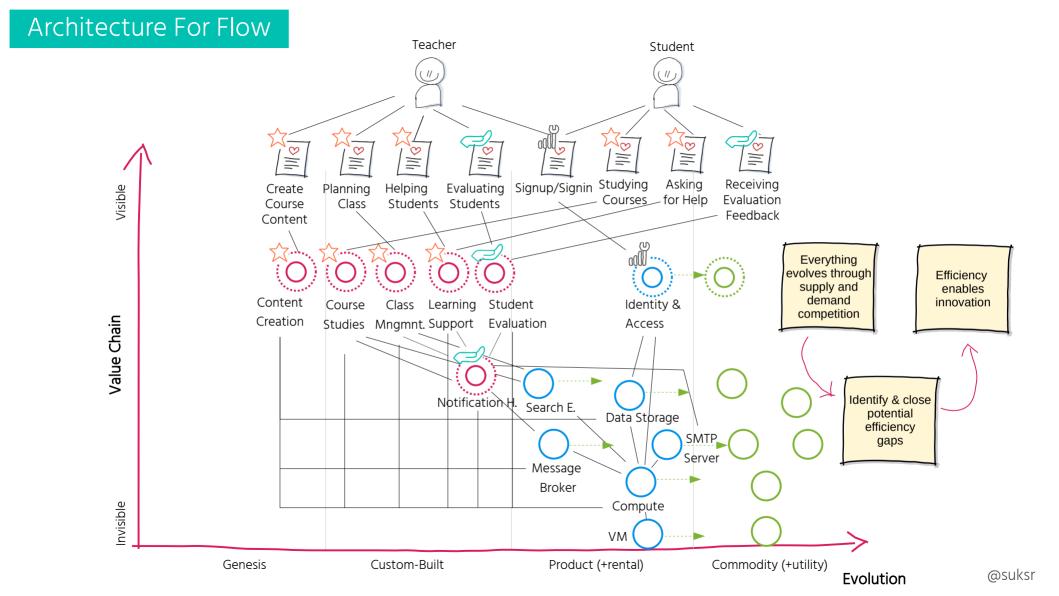


## A Mix of Mindsets per Team

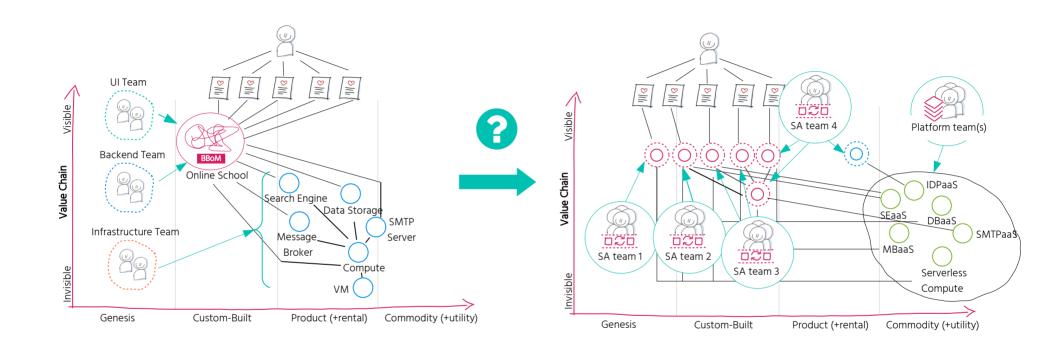


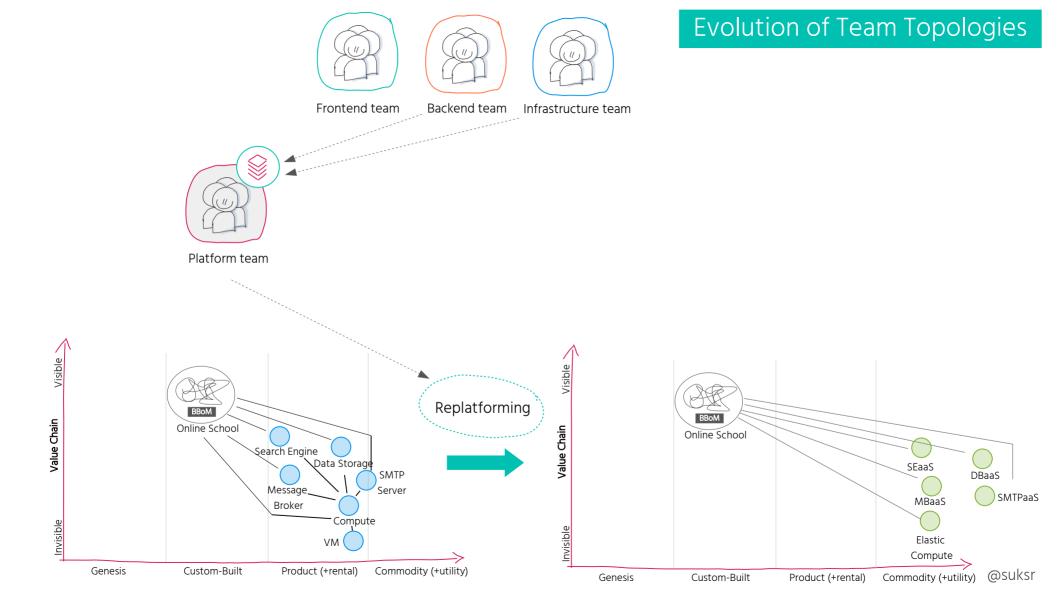
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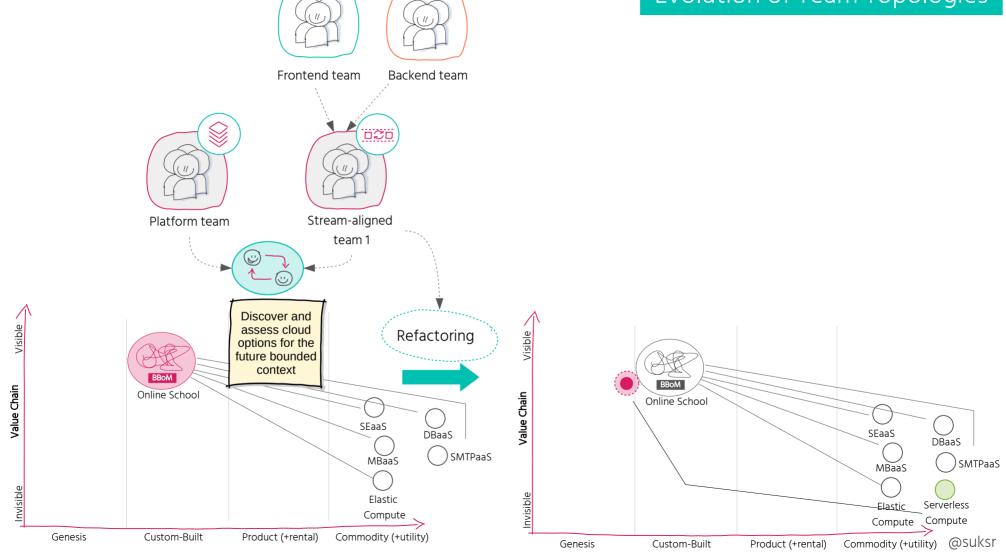
Build in-house

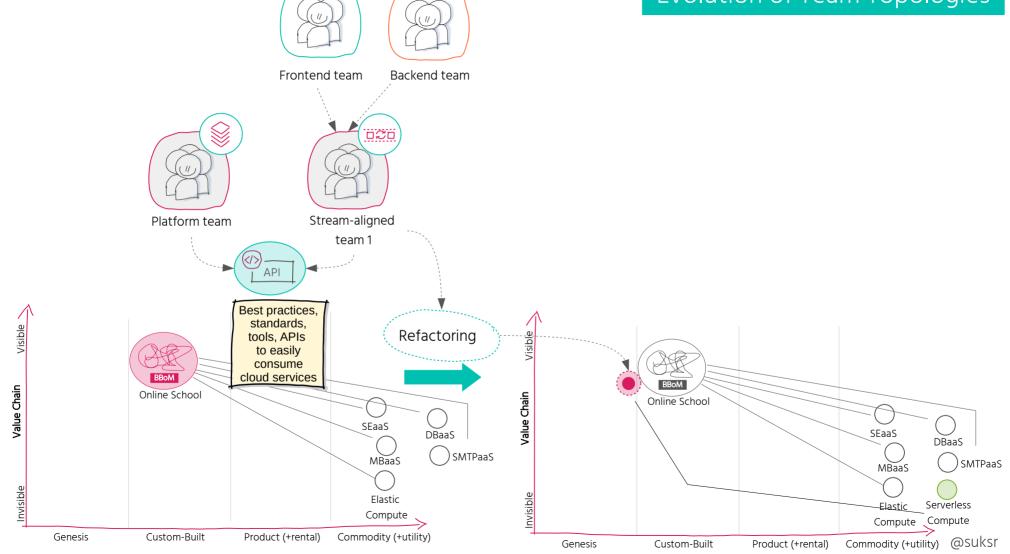


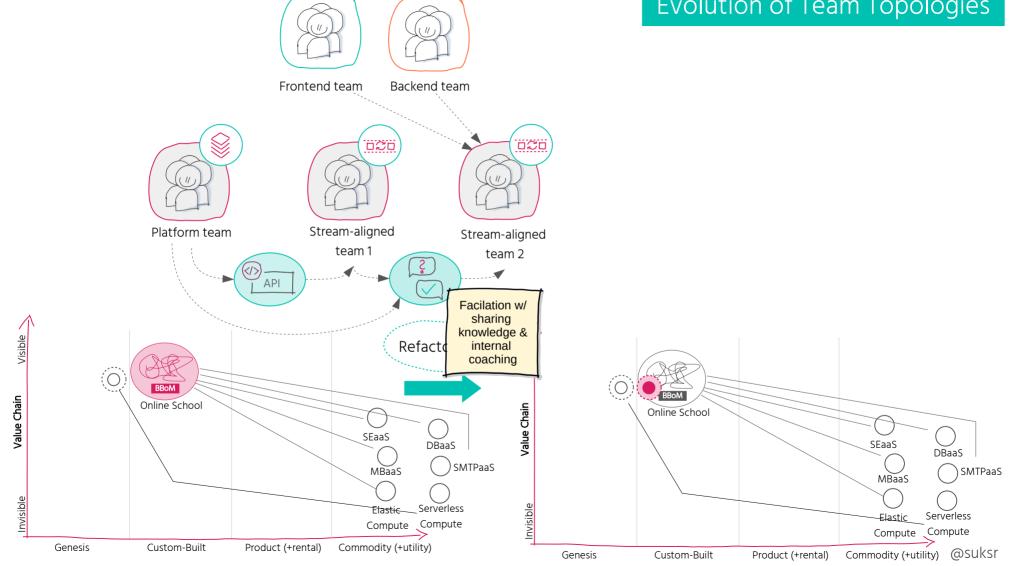
#### How to transition?

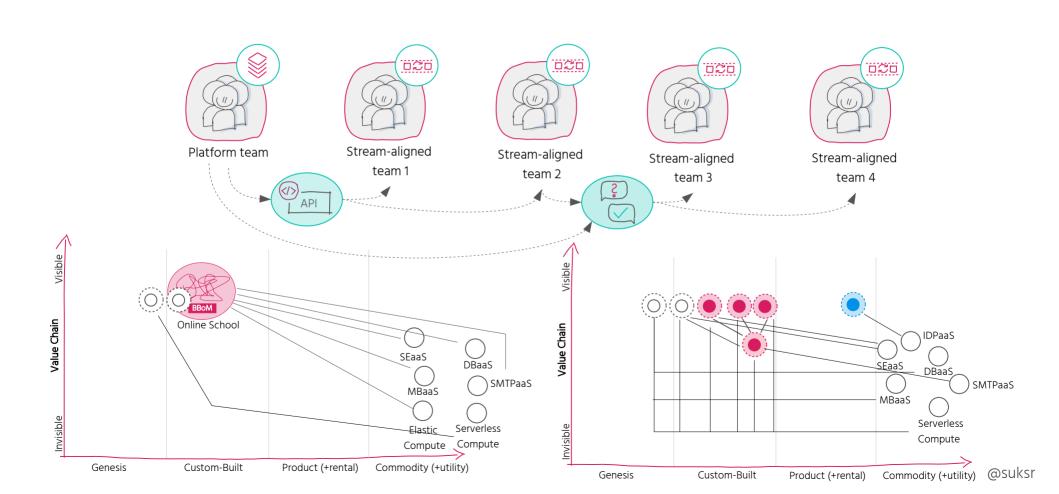


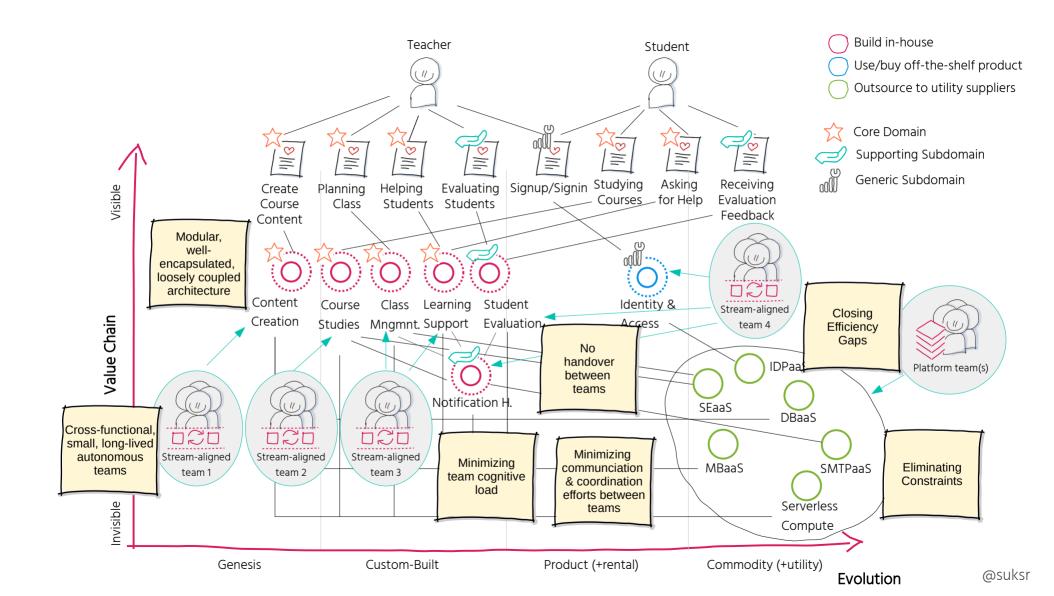


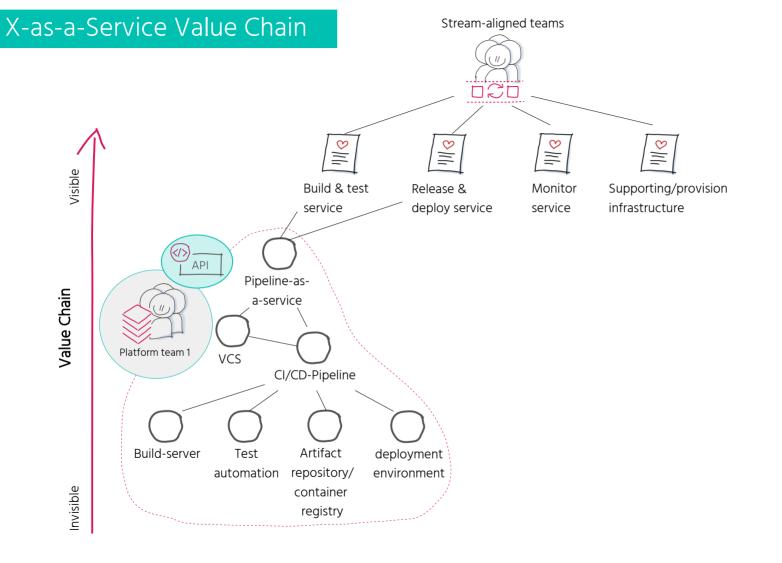


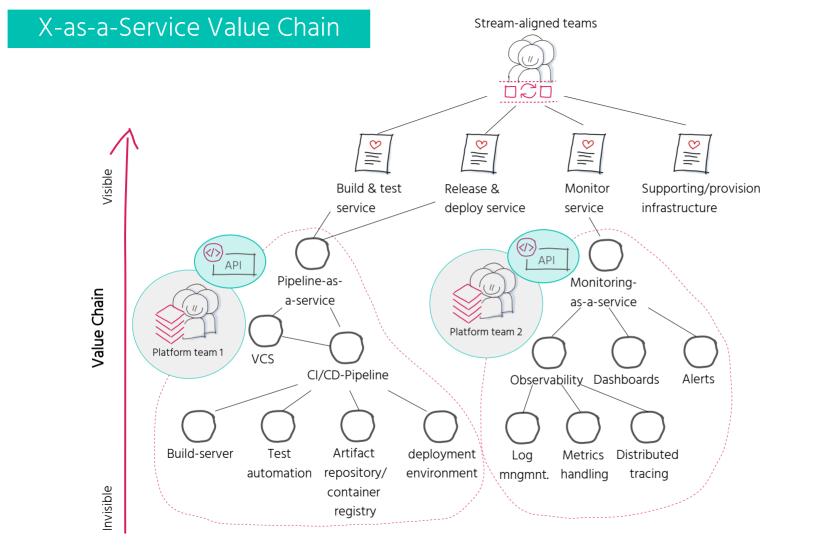


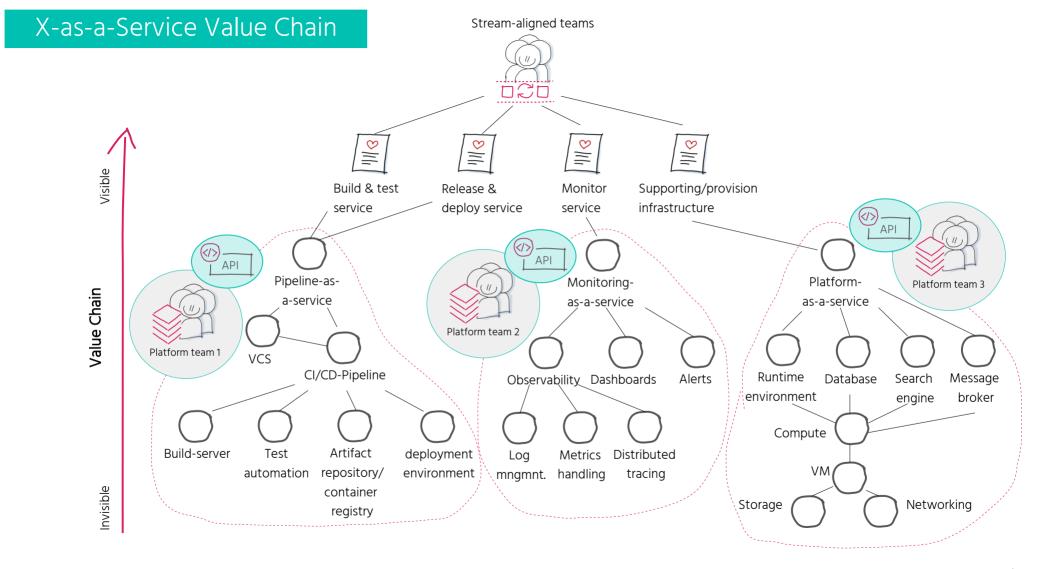


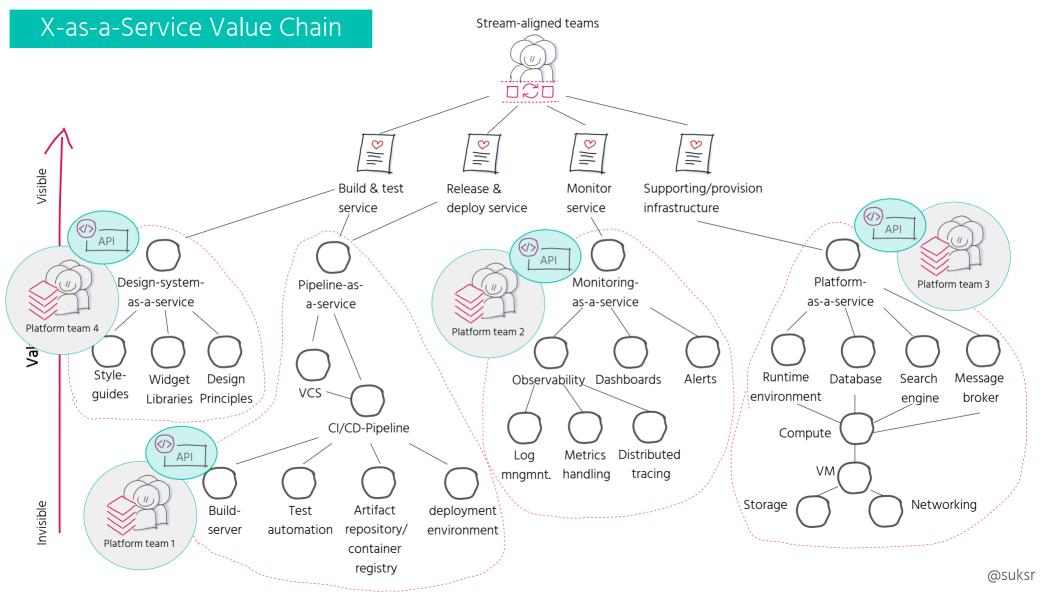


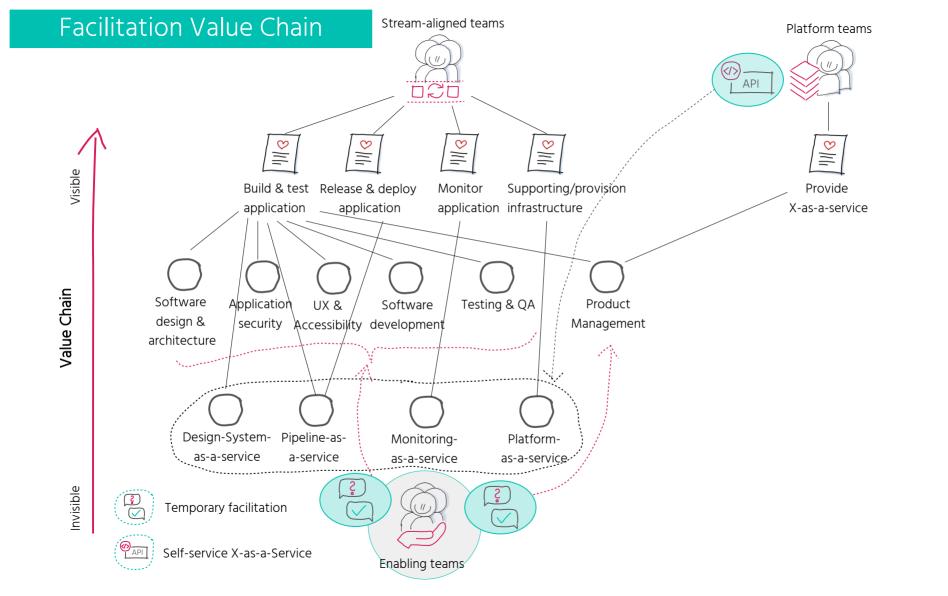


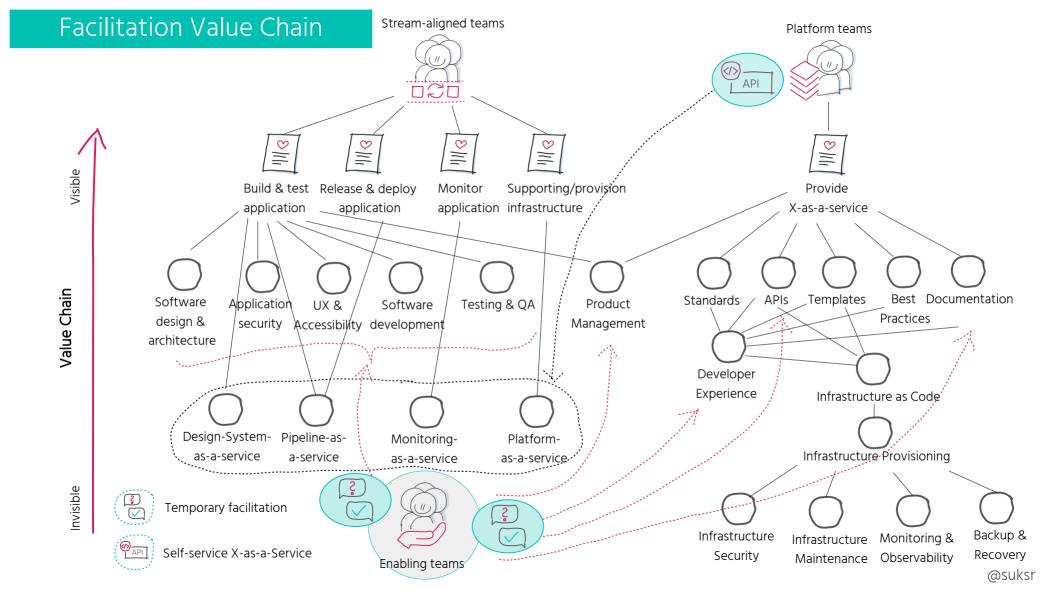




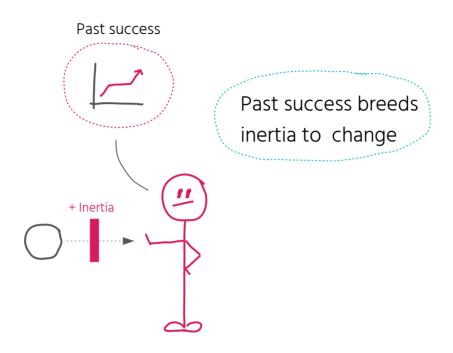




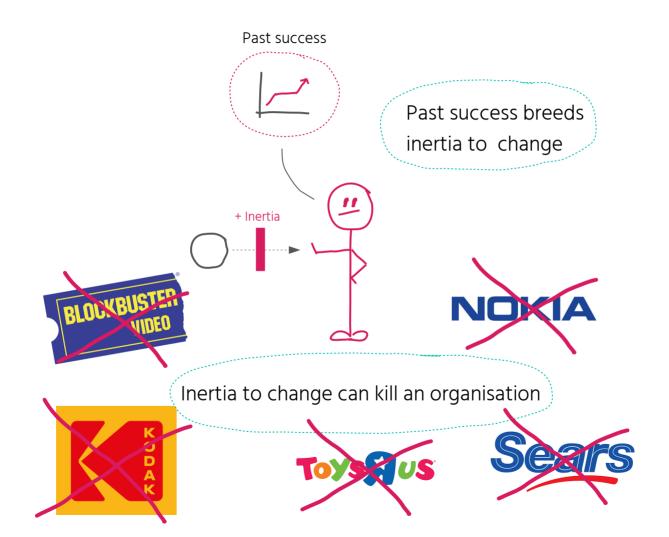


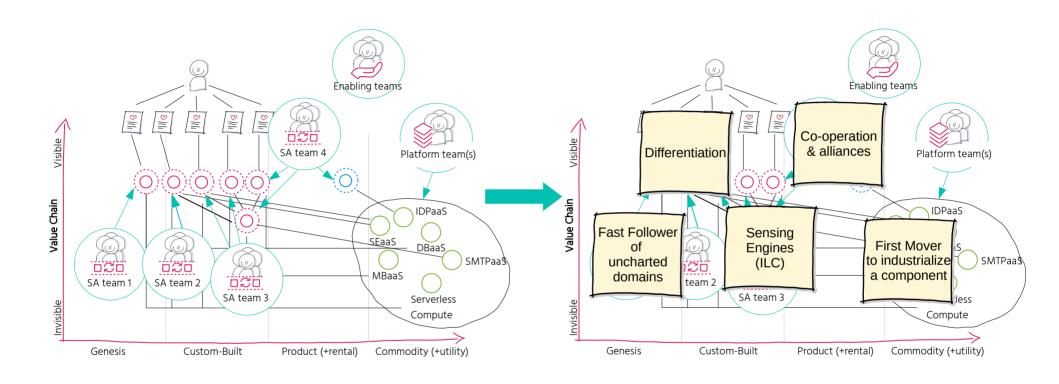


# But we are successful, why should we change?



## But we are successful, why should we change?



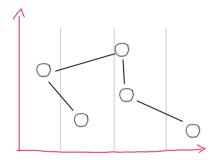


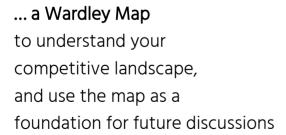
Responsive to Change

Leading future Change

### Start small

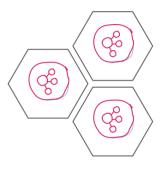
#### You could start with ...







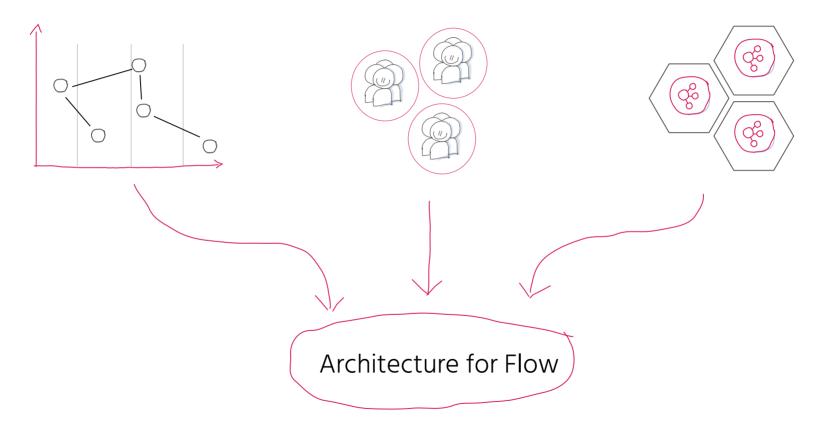
... or your current teams and analyse their current cognitive load and bottlenecks



... or identifying suitables seams for modularisation with subdomains & bounded contexts

# Start small

And their paths eventually cross ...

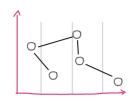


## Key Takeaways



- Understanding the landscape an organization is operating & competing in including the external forces acting on the landscape
- Anticipate changes and identifying potential points to invest
- · Gaining domain knowledge & discovering the core
- Knowing what components to build, buy/use, or outsource

### Key Takeaways







Wardley Mapping

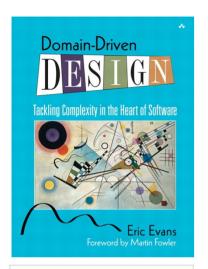
Domain-Driven Design

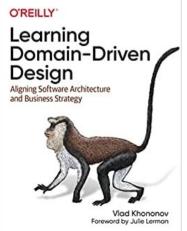
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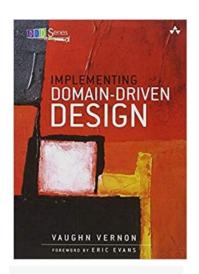
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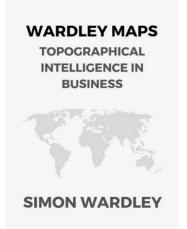
- Modular, well-encapsulated architecture & welldefined ownership boundaries w/ bounded contexts
- Aligning teams and evolving their interactions to the system we build & the strategy we plan
- Eliminating delivery bottlenecks & increasing software delivery performance
- Optimizing for a a fast flow of change to be able to adapt, evolve and thrive in the face of constant change

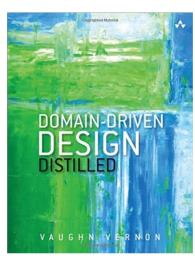
#### Some References

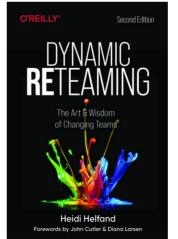


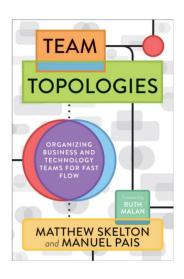






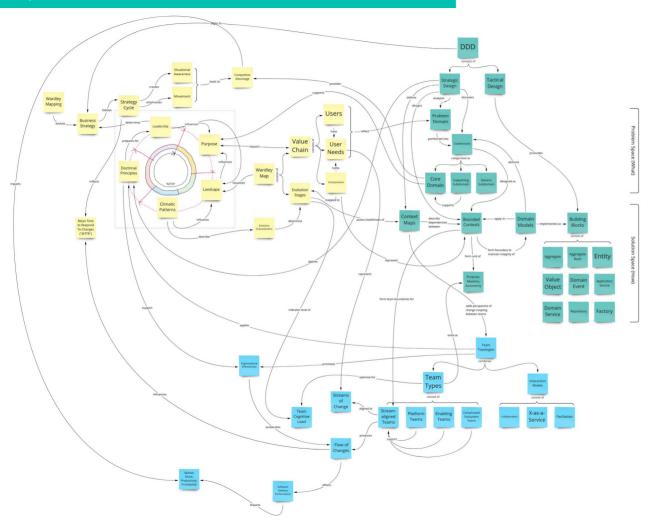


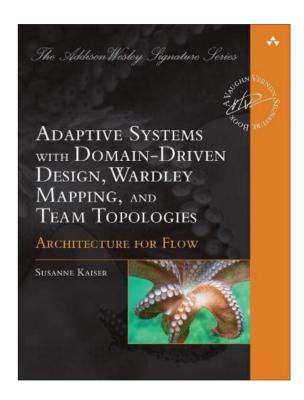




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# If you are interested in more details ...





# THANK YOU

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