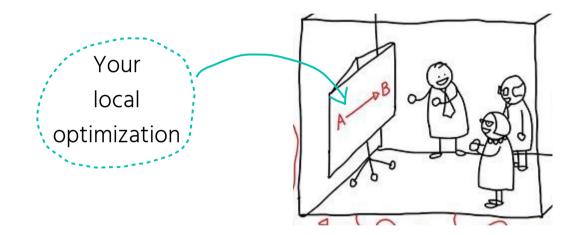


Architecture for Flow w/ Wardley Mapping, DDD, Team Topologies

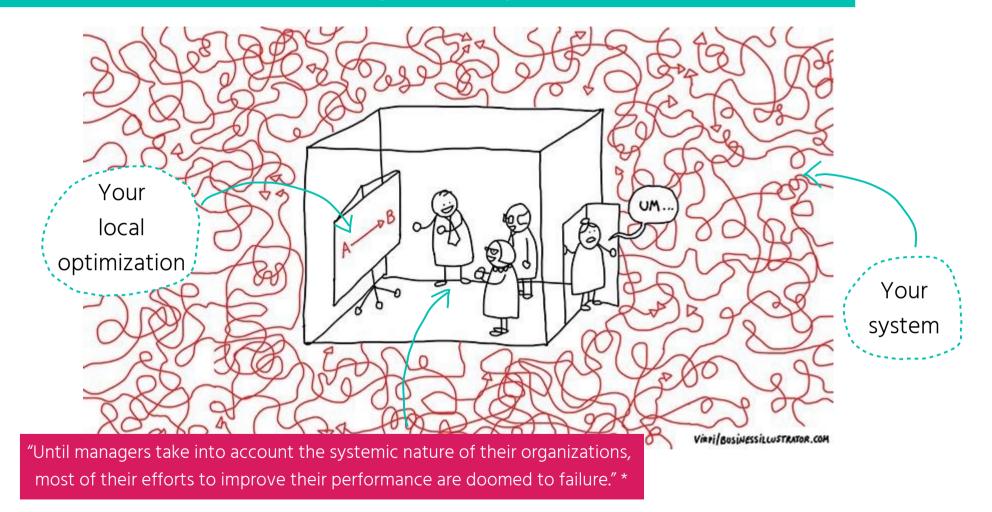
Susanne Kaiser Independent Tech Consultant

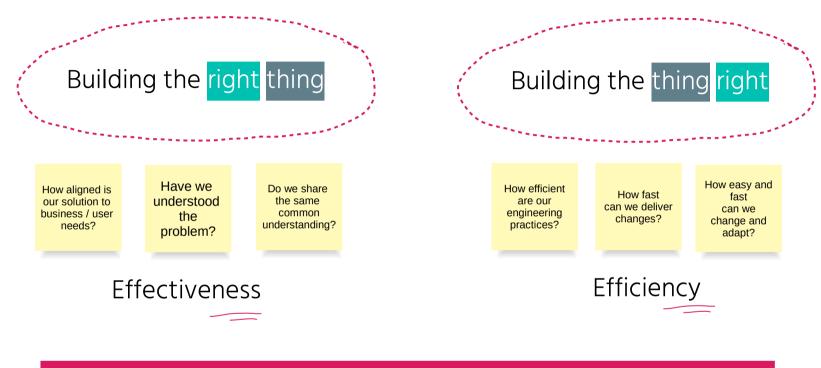
@suksr

Problem with Local Optimization



"A system is more than the sum of its parts, it's a product of their interactions." *





"Doing the wrong thing right is not nearly as good as doing the right thing wrong"

Dr. Russell Ackoff

Three Perspectives to Build Adaptive Systems



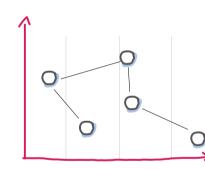
Business-Strategy



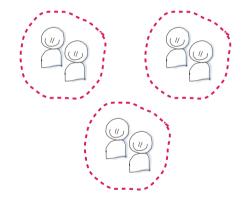
Software-Design/ -Architecture



Team-Organization







w/ Wardley Mapping

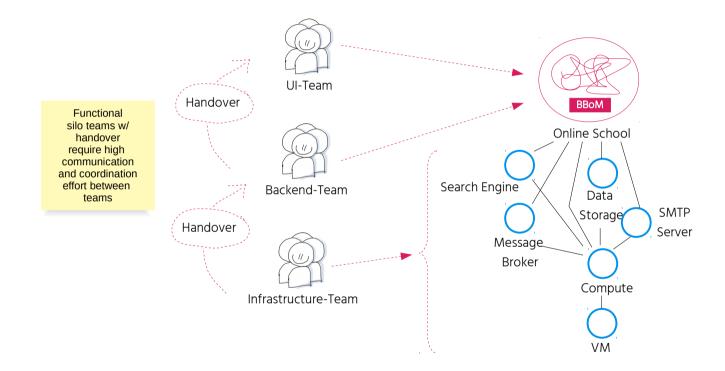
w/ Domain-Driven Design

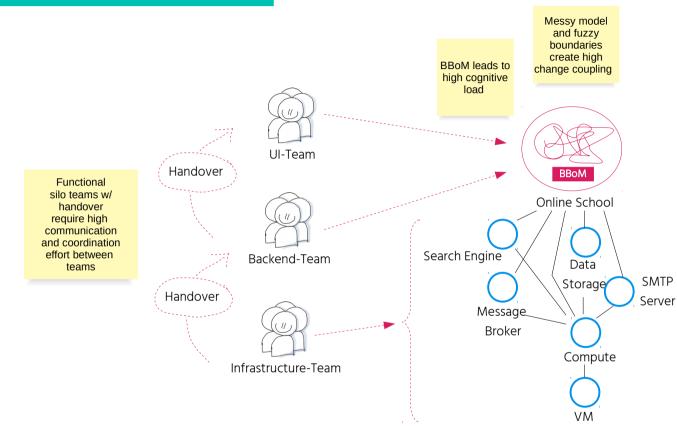
w/Team Topologies

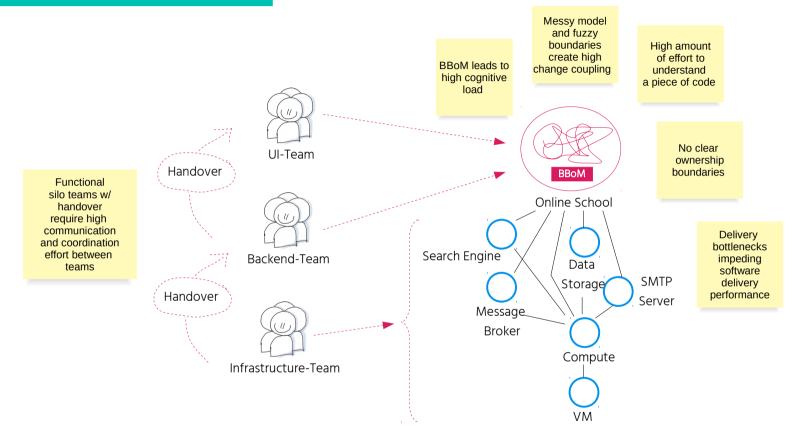


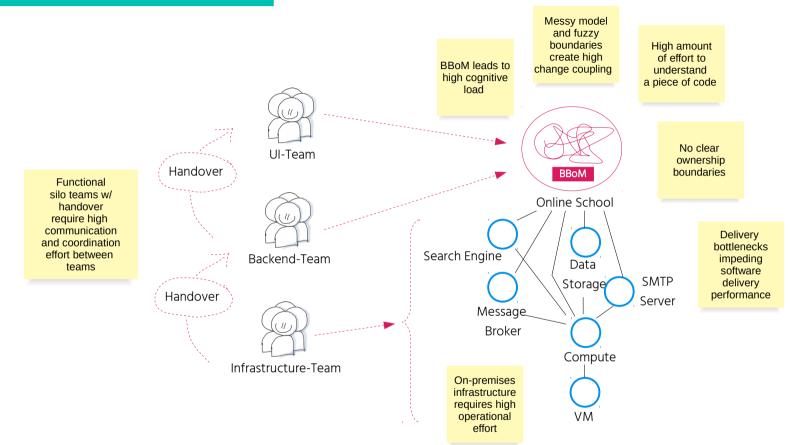


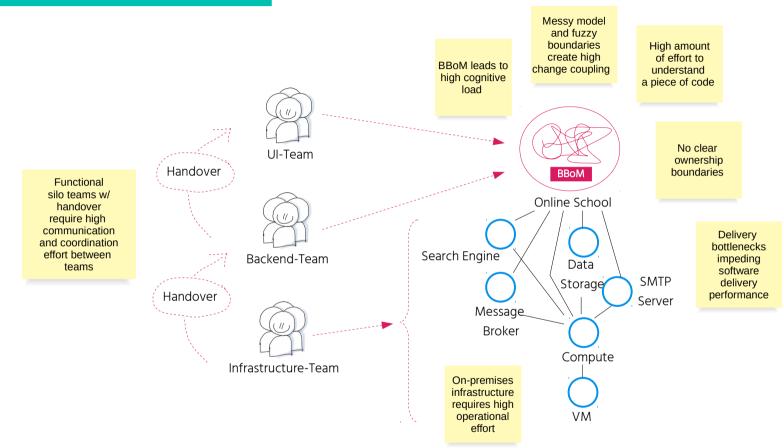
Source: https://www.food-management.com







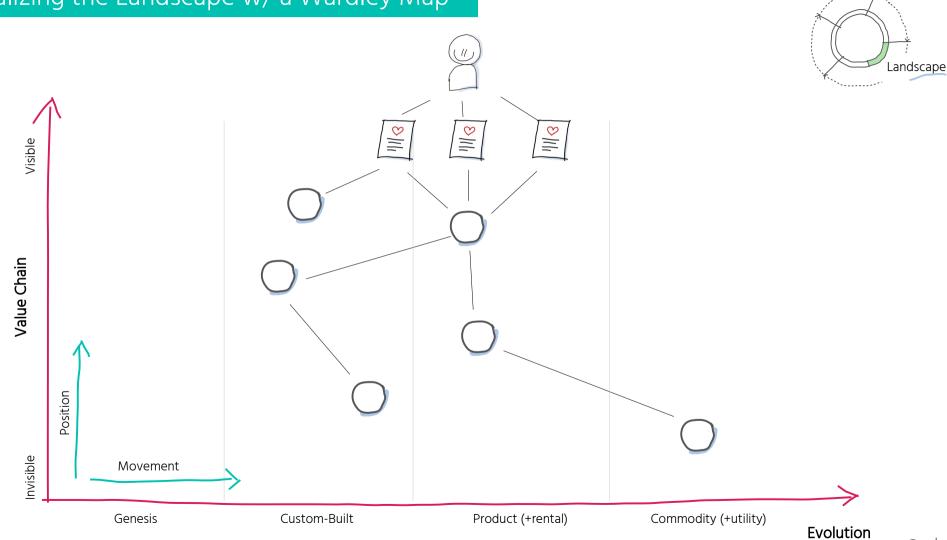


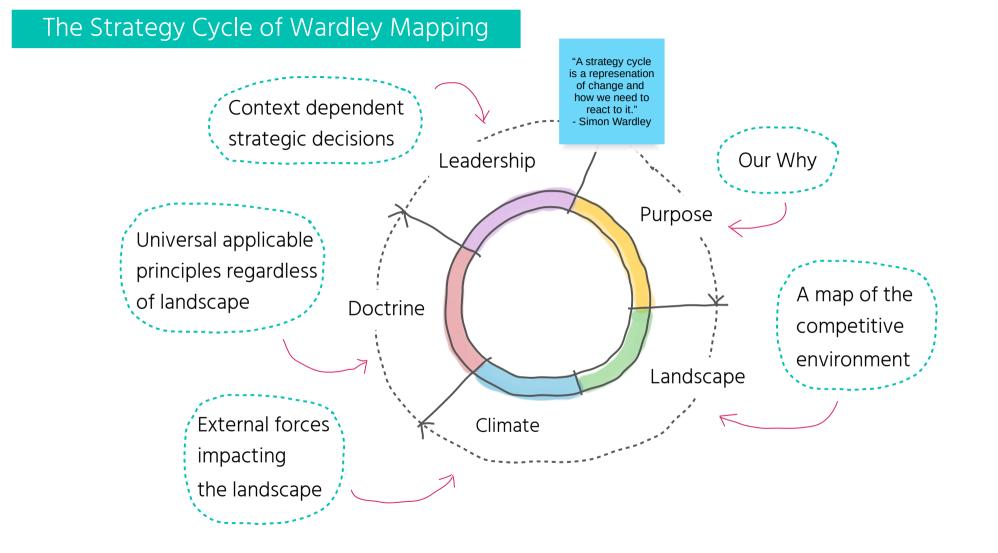


"Local optimization does not improve the performance of the whole."

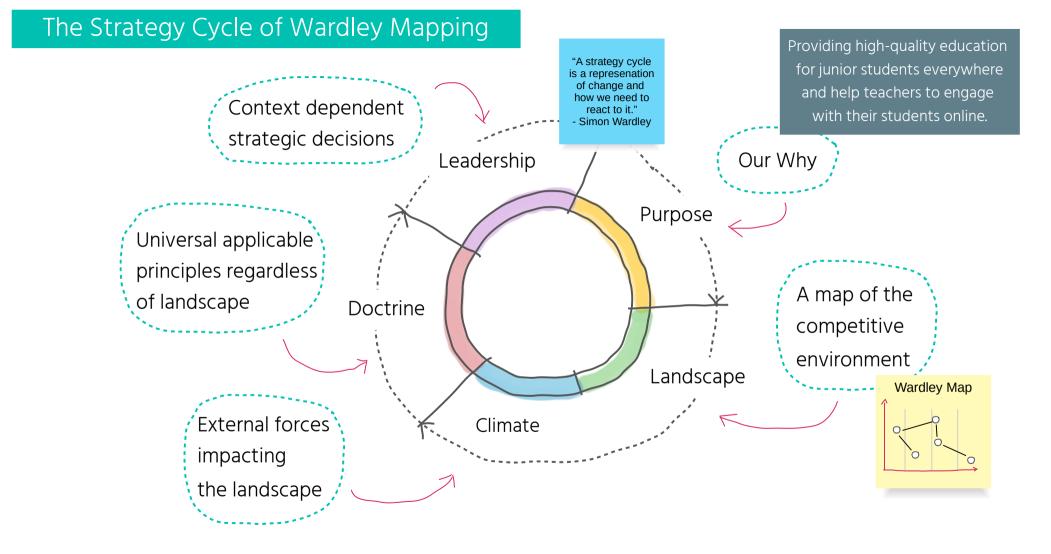
Dr. Russell Ackoff

Visualizing the Landscape w/a Wardley Map

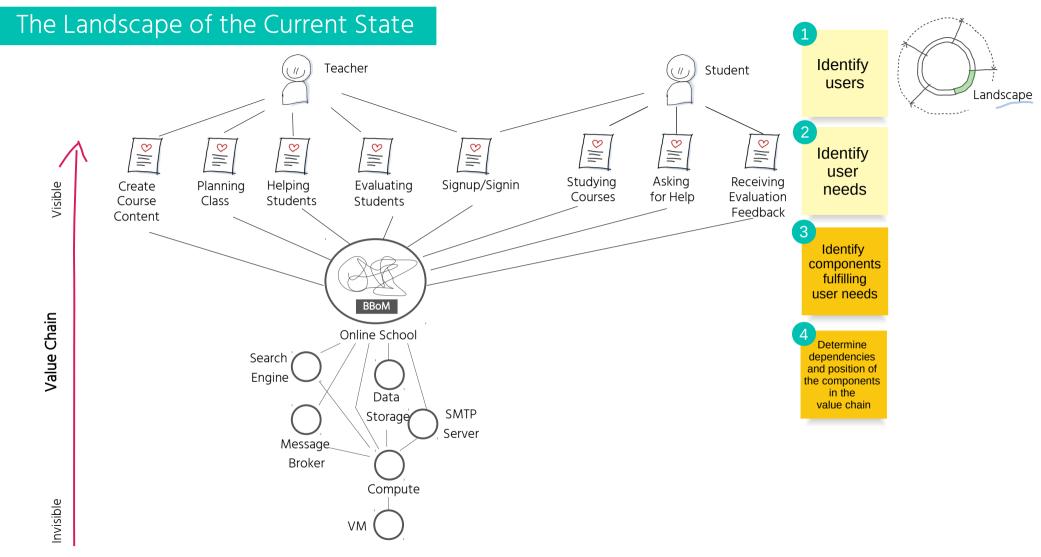




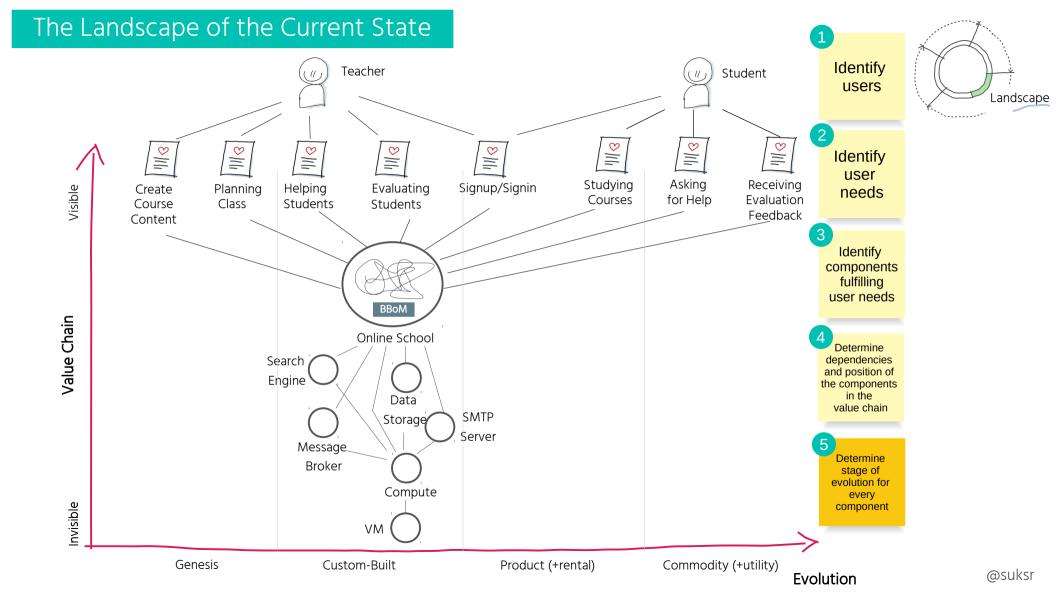
@suksr

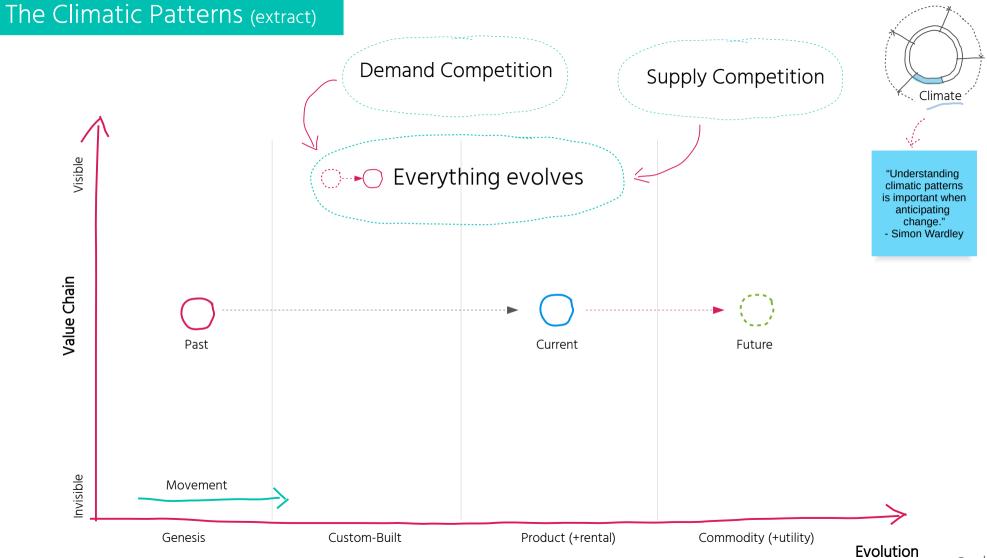


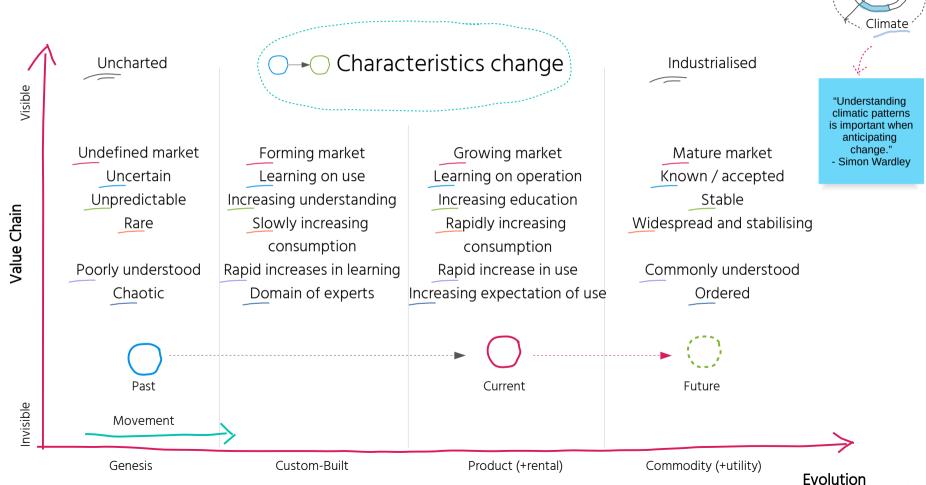
The Landscape of the Current State Identify Teacher Student (11)11 users Landscape <mark>⊗</mark>||| 8 8 8 8 8 8 8 Identify user Studying Asking Receiving Visible Evaluating Signup/Signin Planning Helping Create needs Evaluation Courses for Help Students Course Class Students Feedback Content Value Chain Invisible

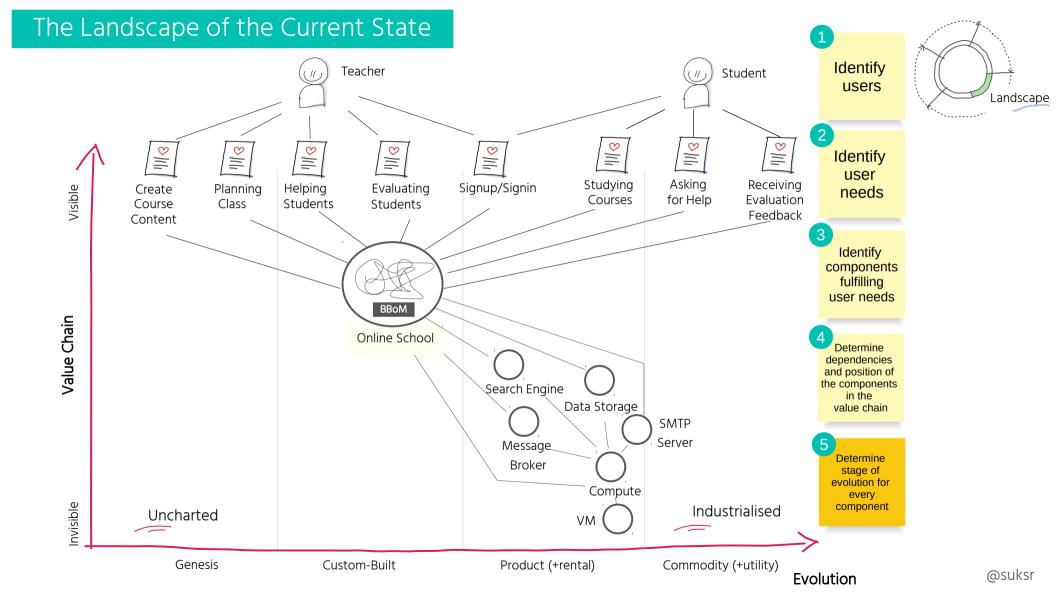


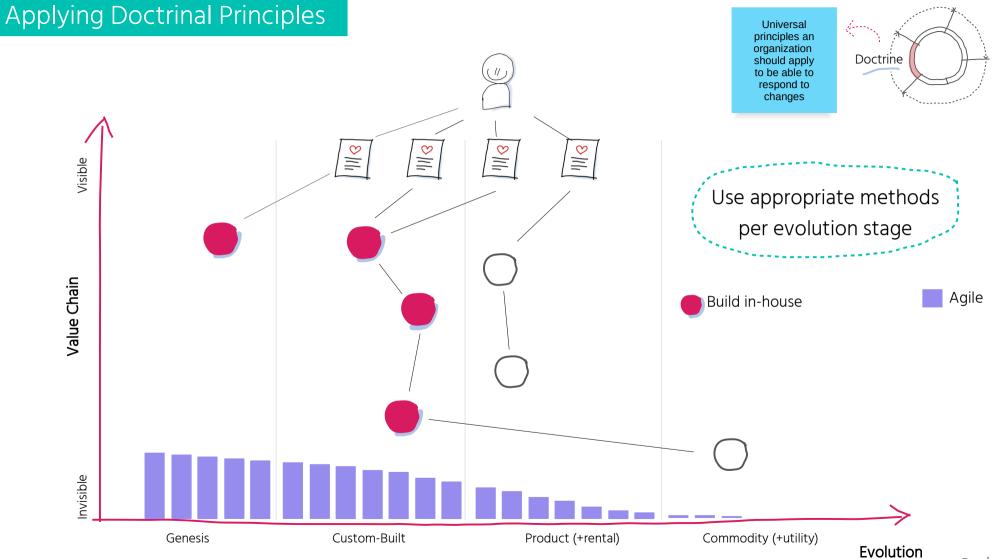
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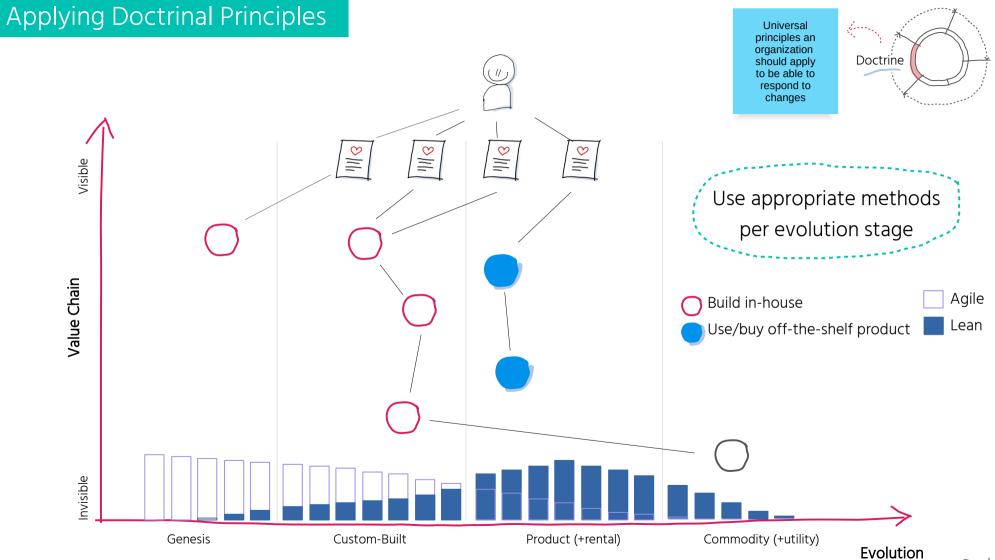


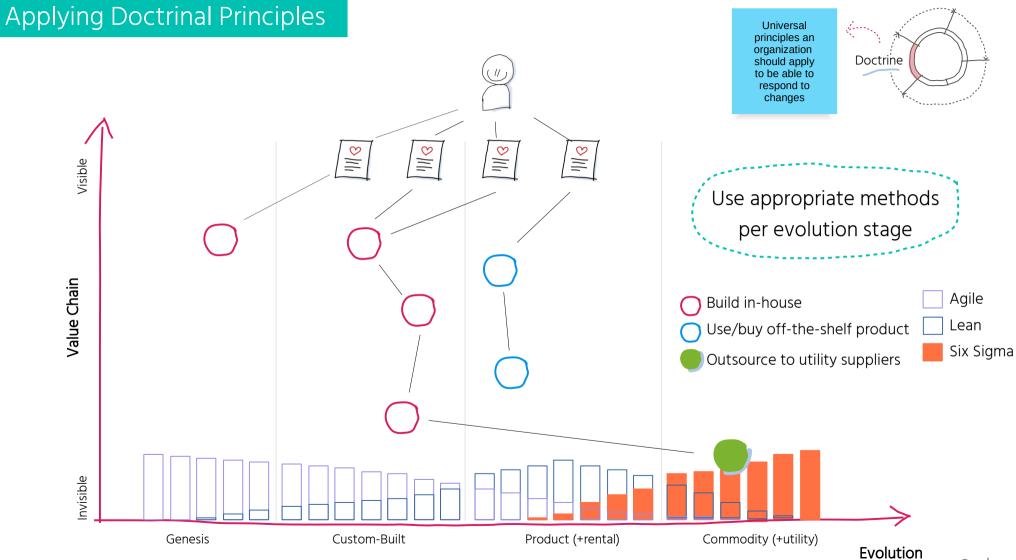




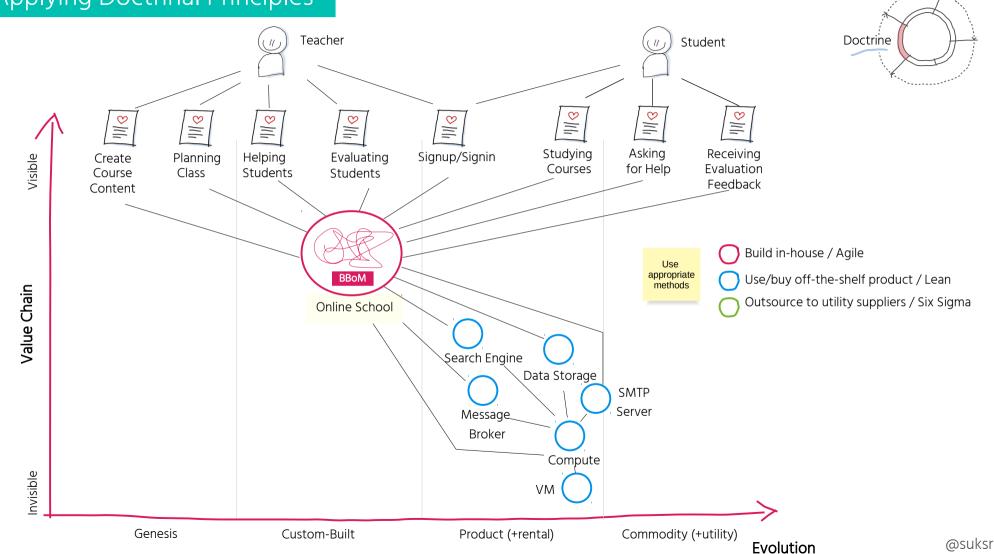




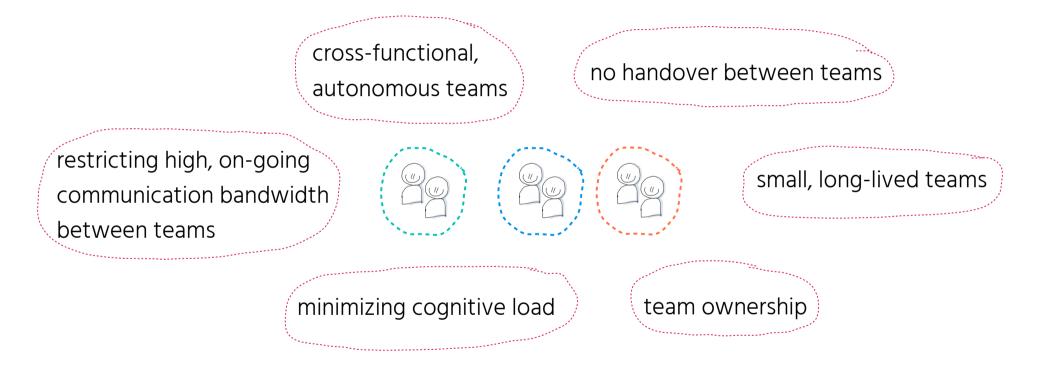


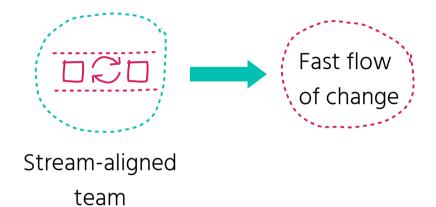


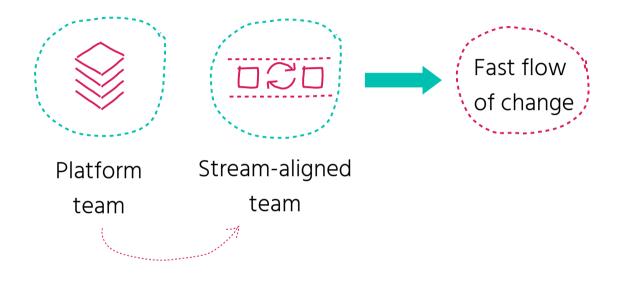
Applying Doctrinal Principles

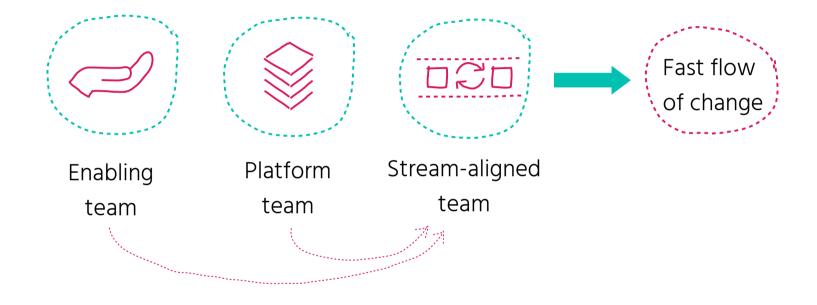


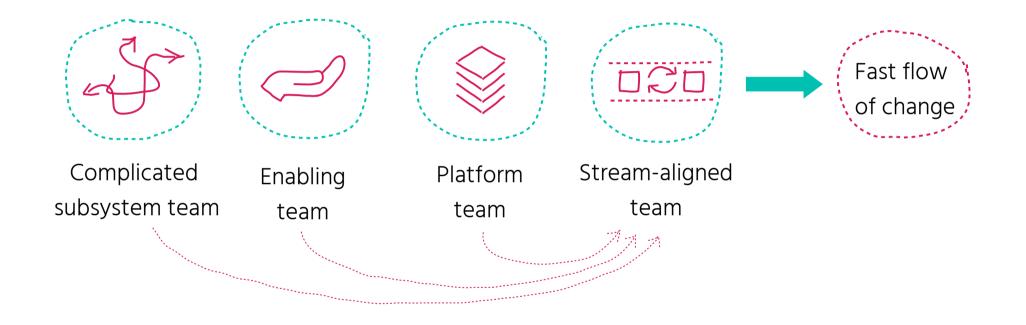
To optimize for flow of change from a team perspective requires ...

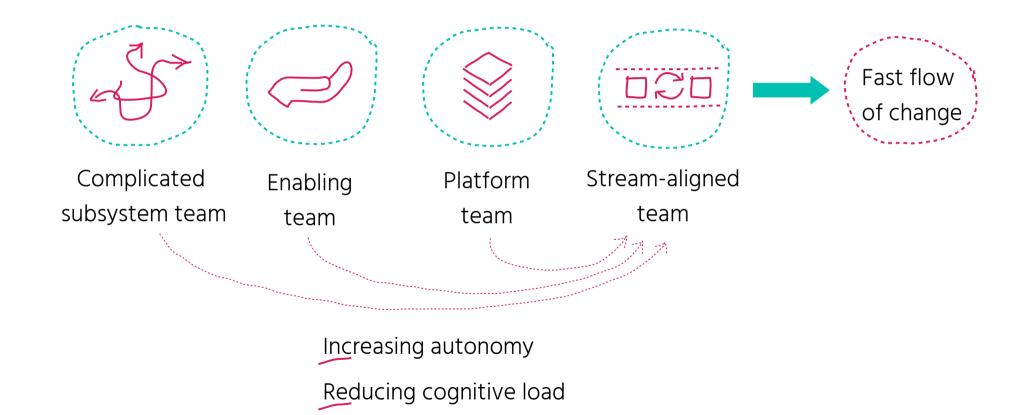


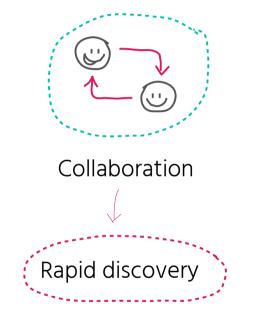


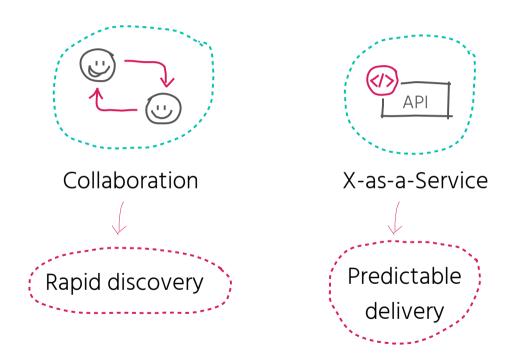


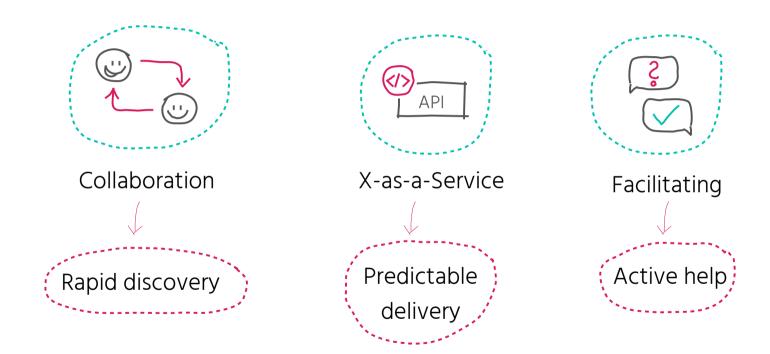




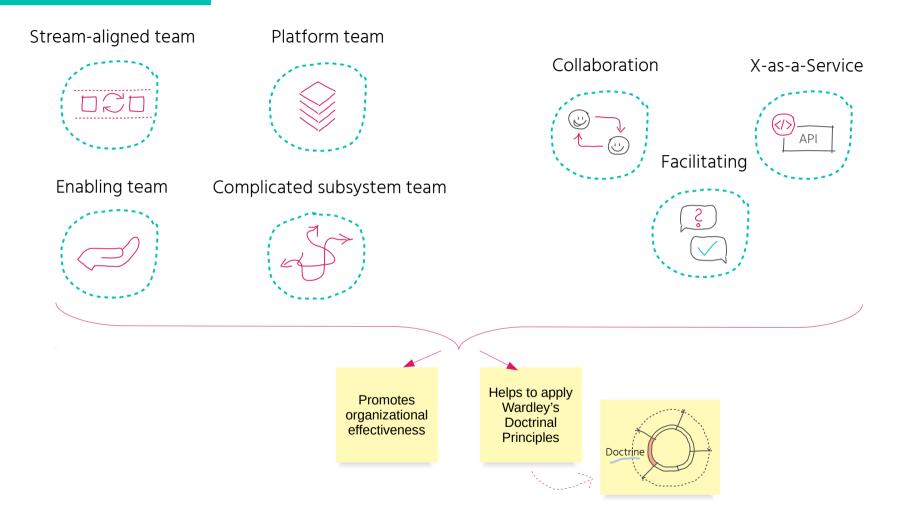




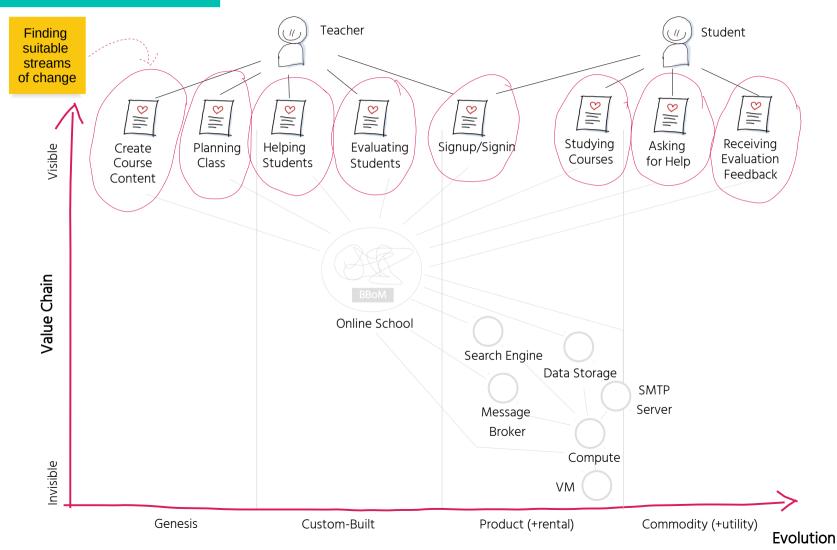




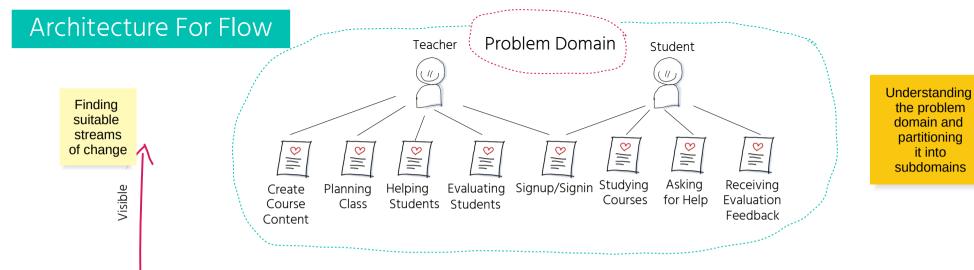
Team Topologies



Architecture For Flow



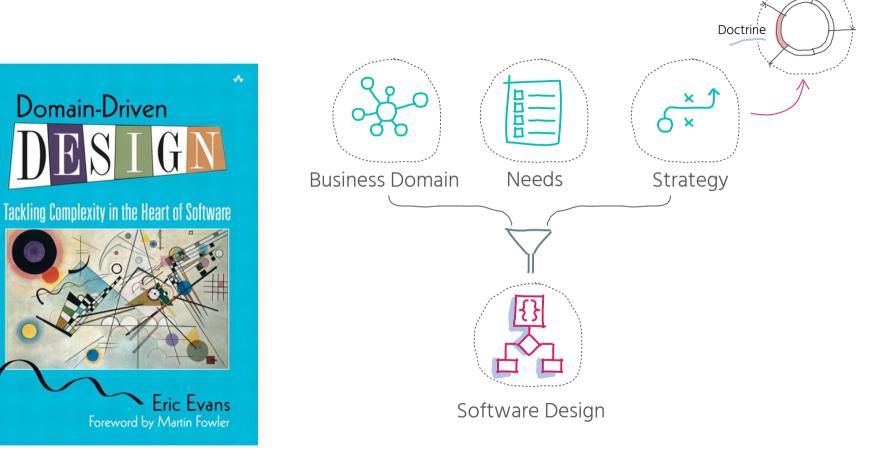
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Value Chain

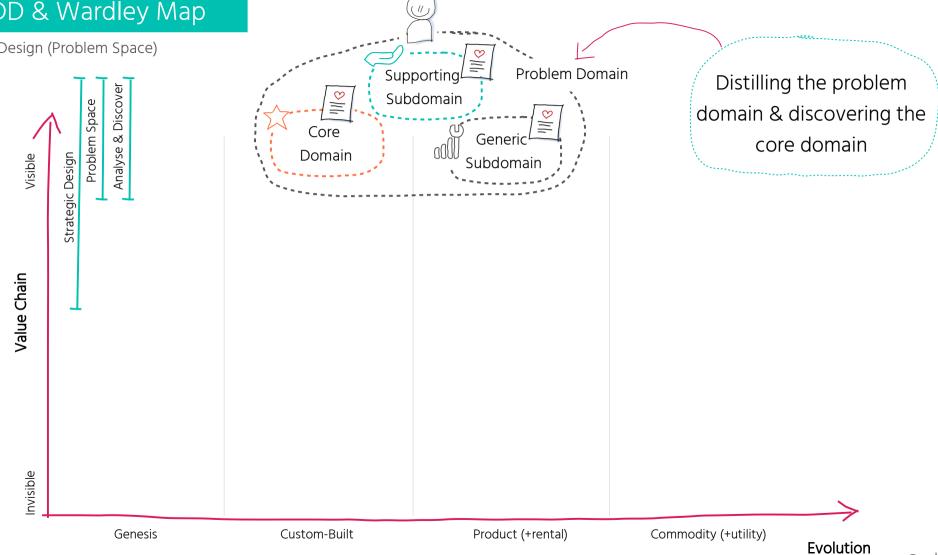
Invisible

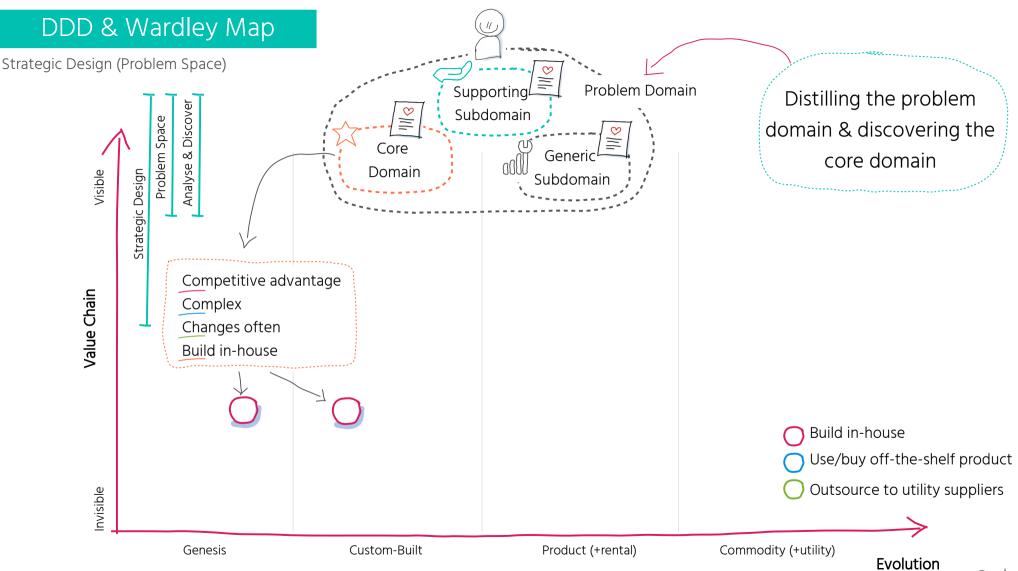
Domain-Driven Design (DDD)

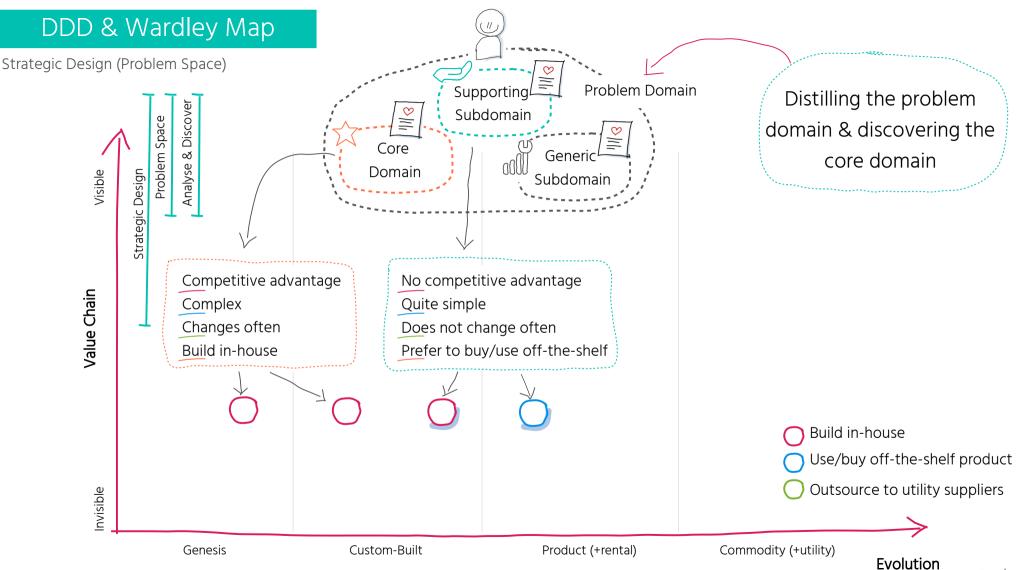


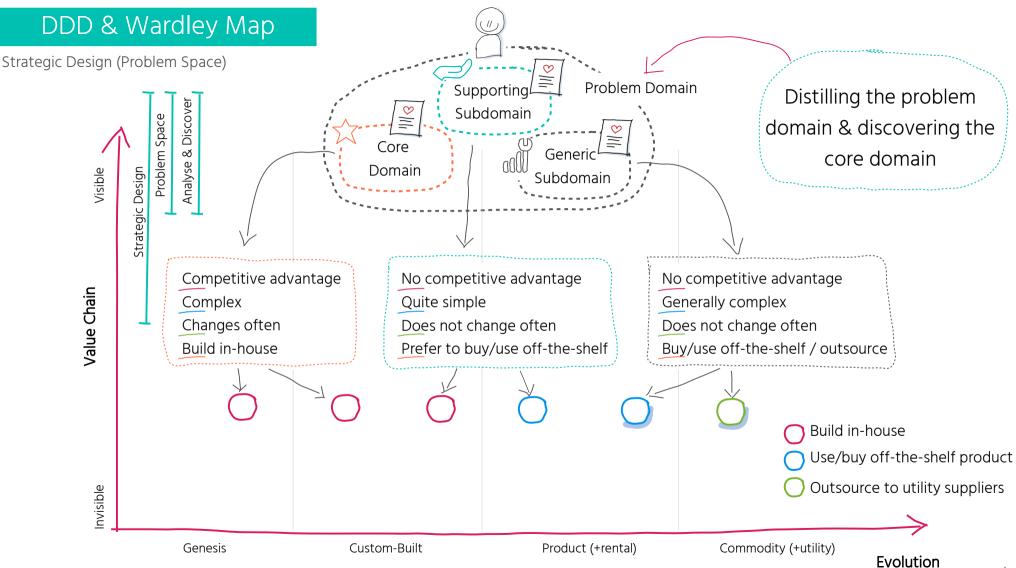
DDD & Wardley Map

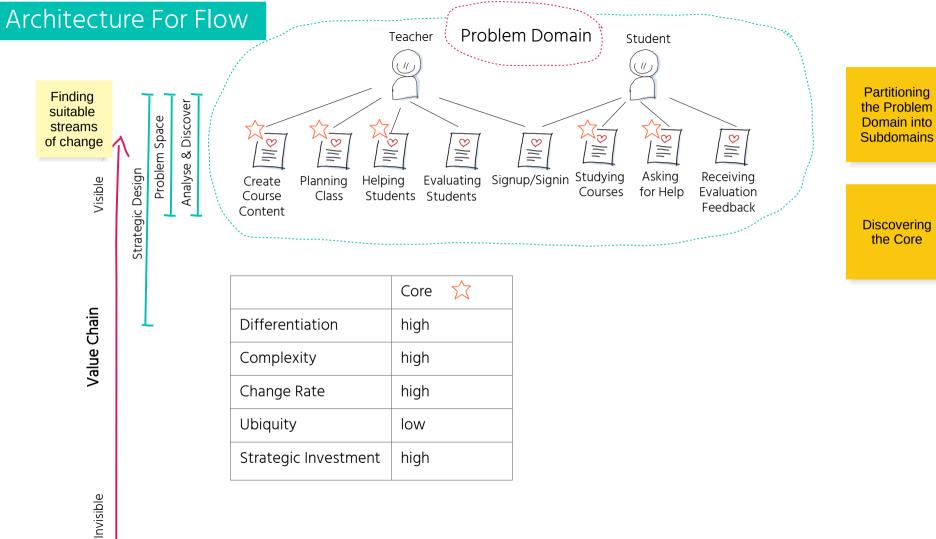
Strategic Design (Problem Space)



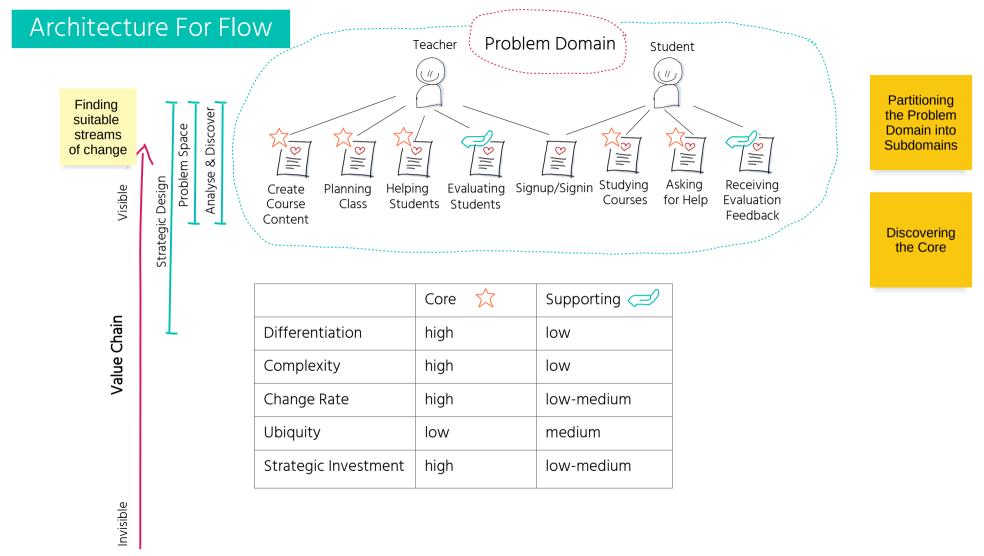




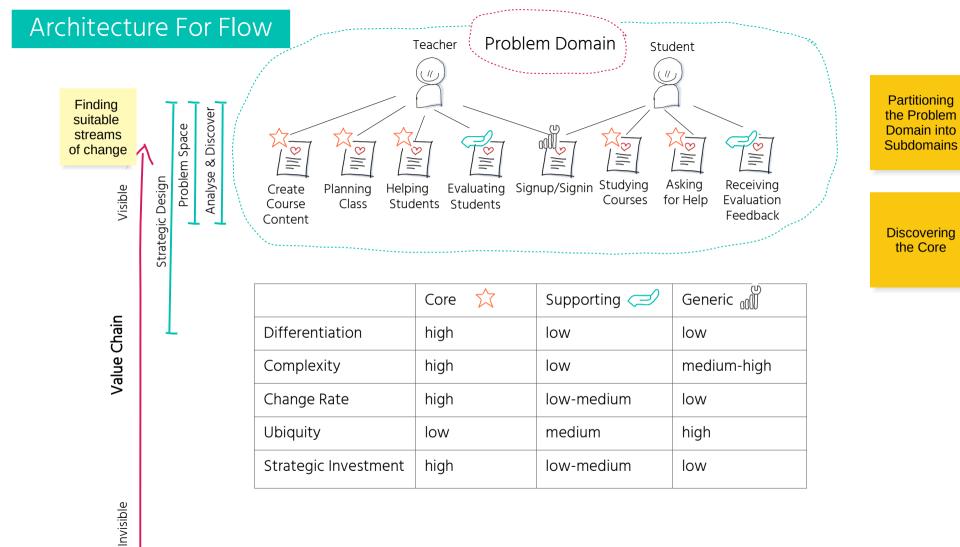




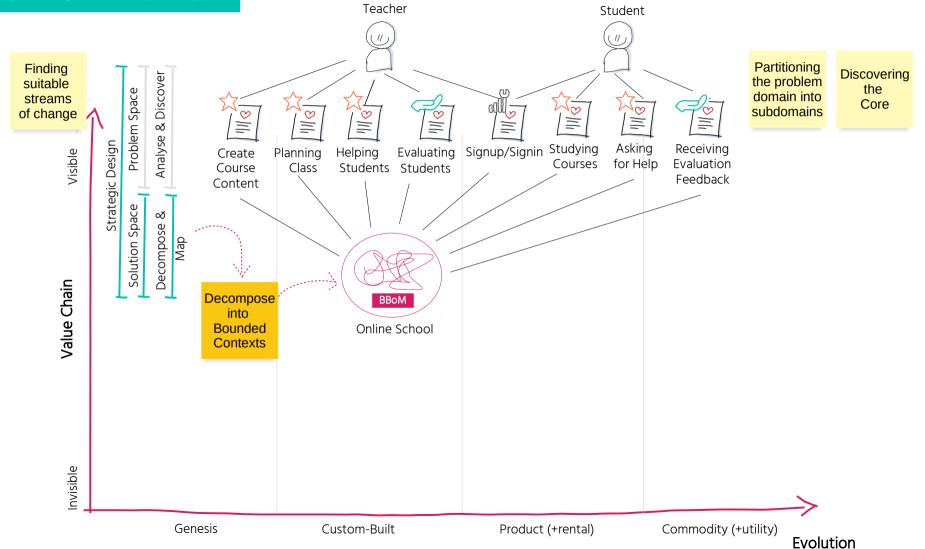
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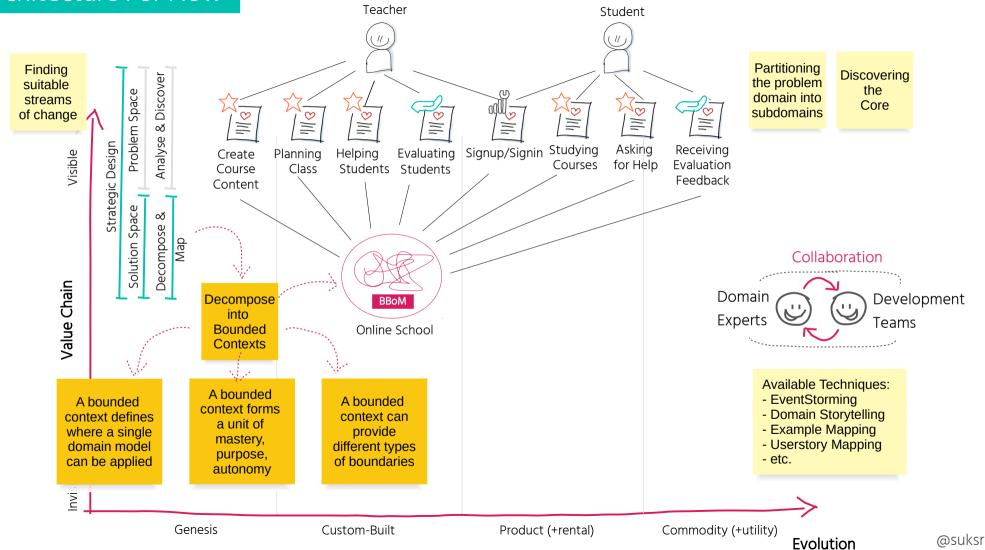


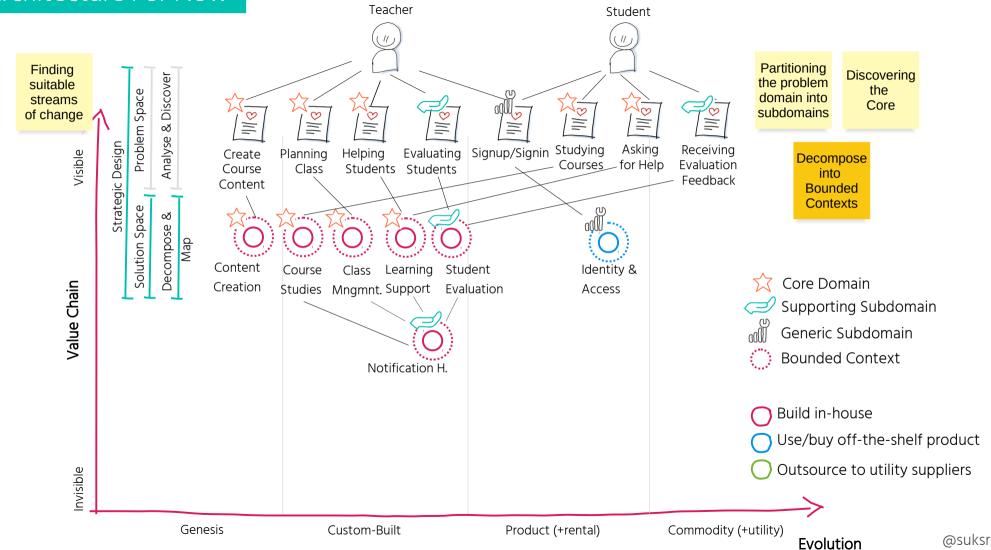
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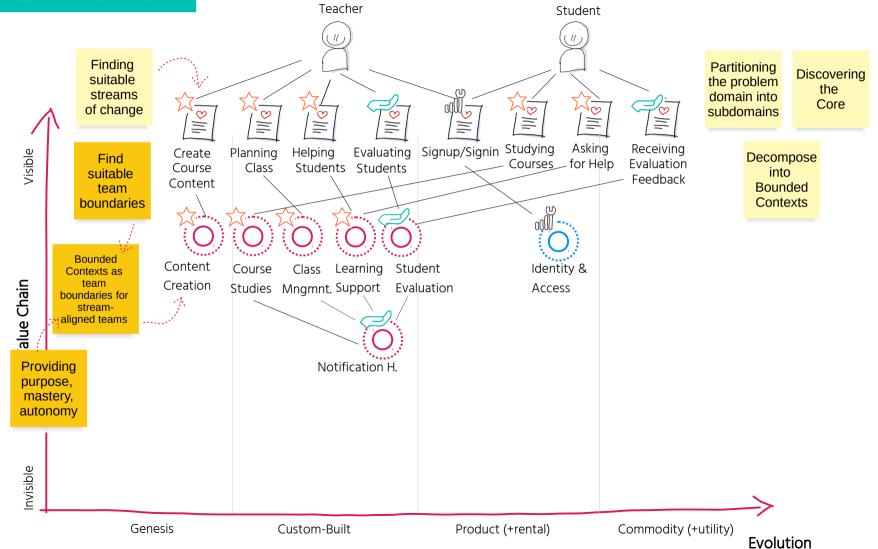


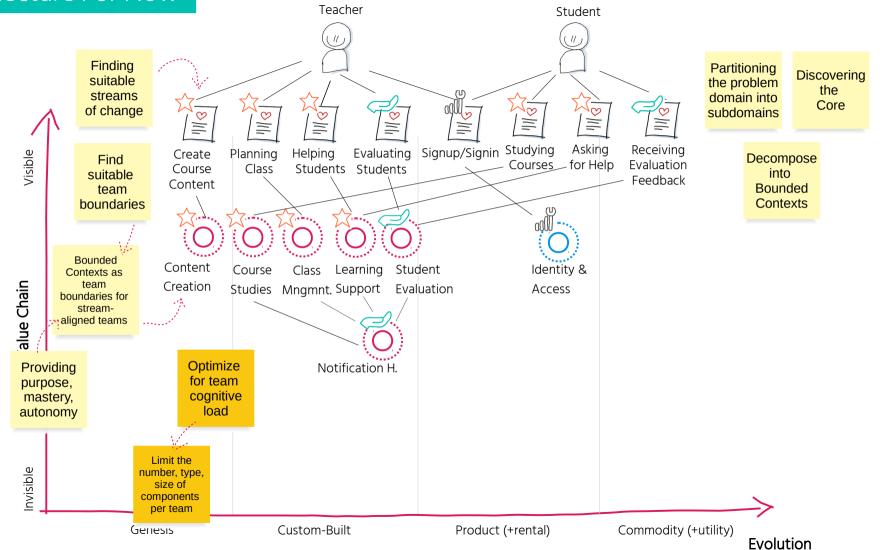
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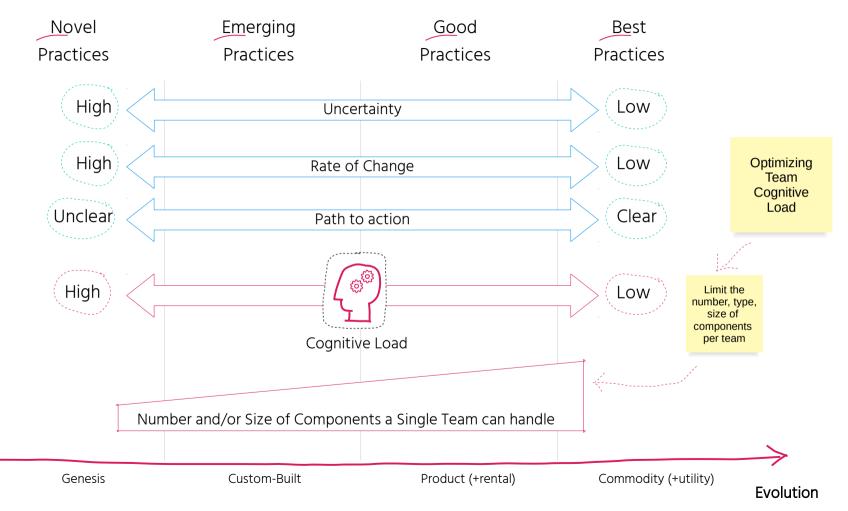


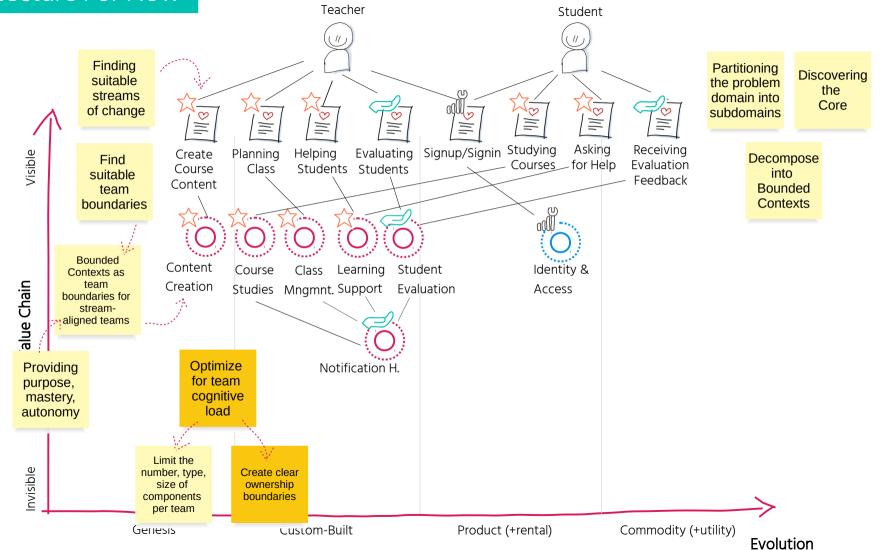


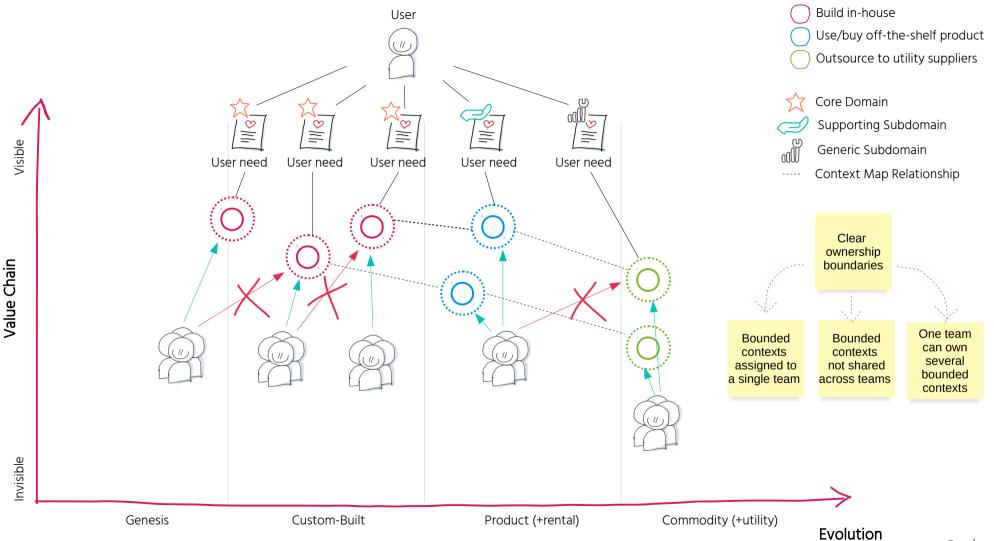


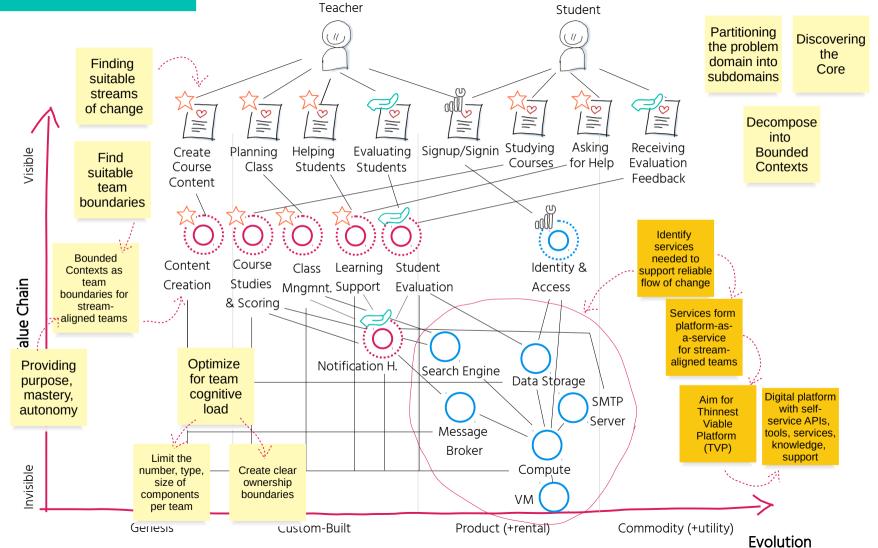




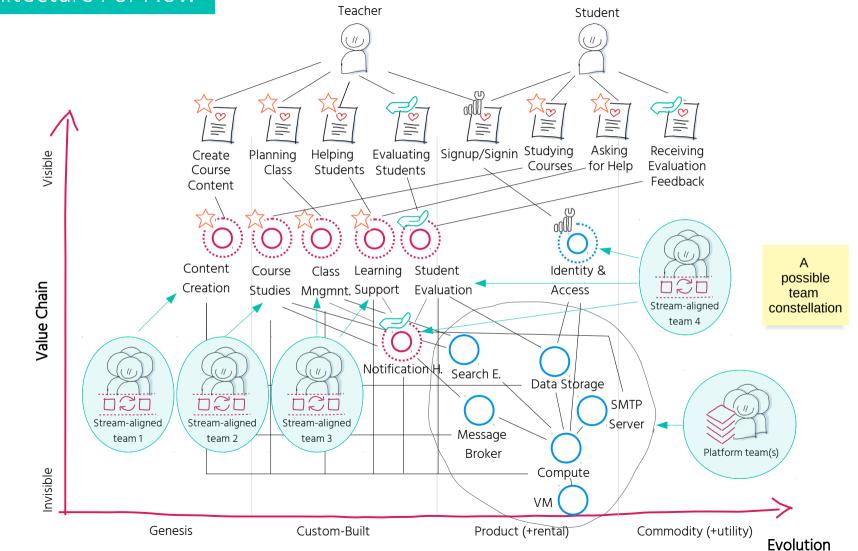


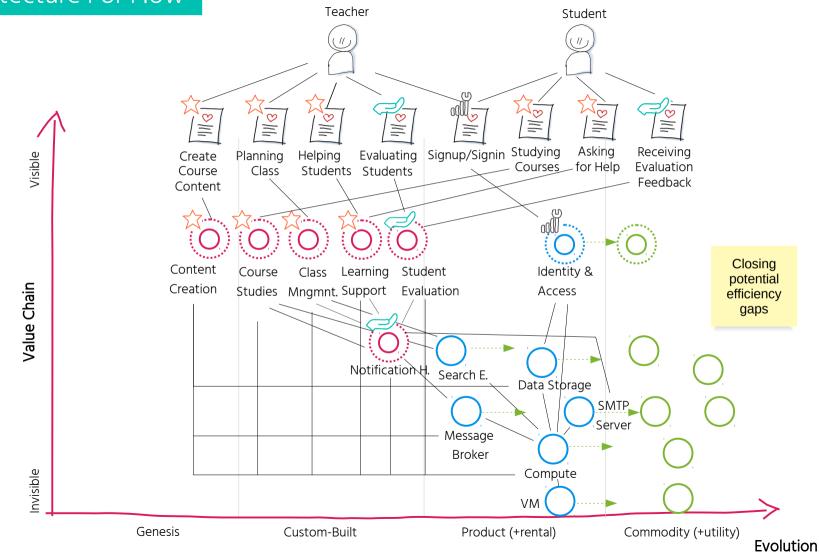


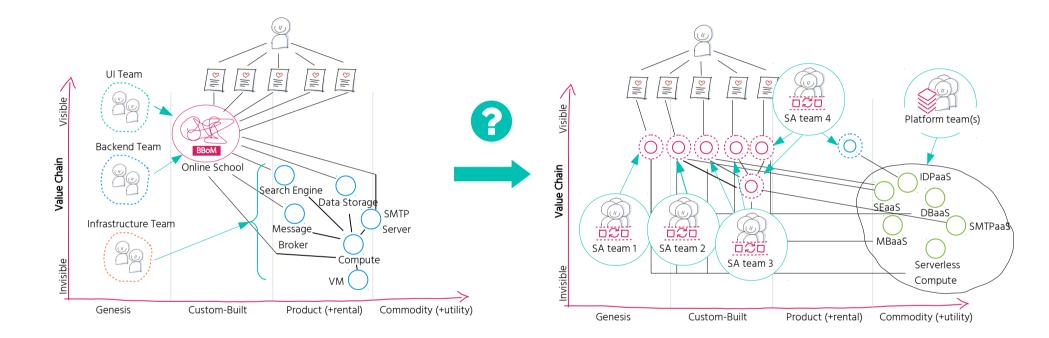




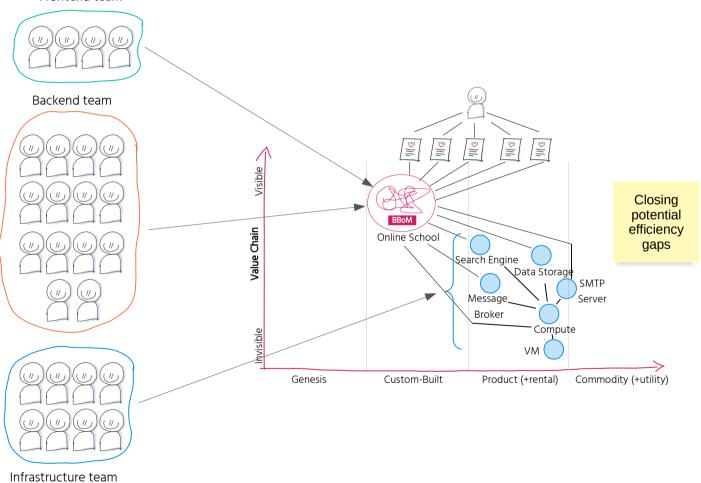
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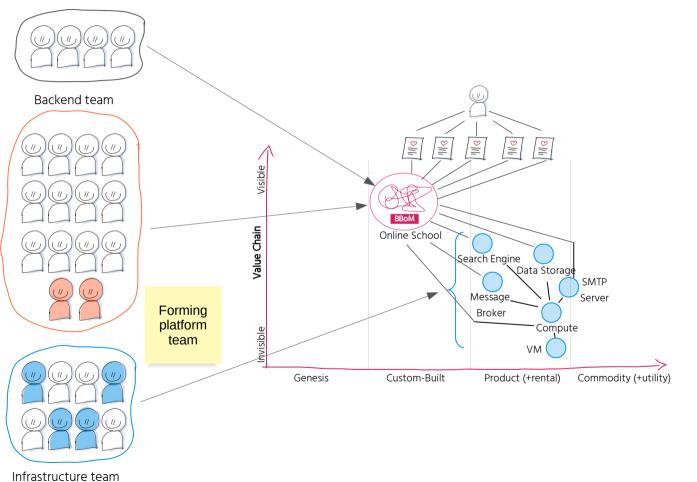


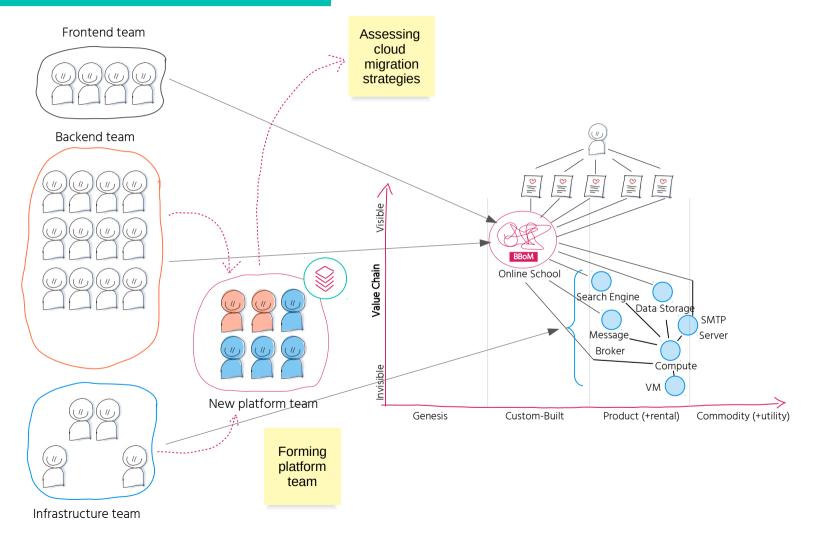


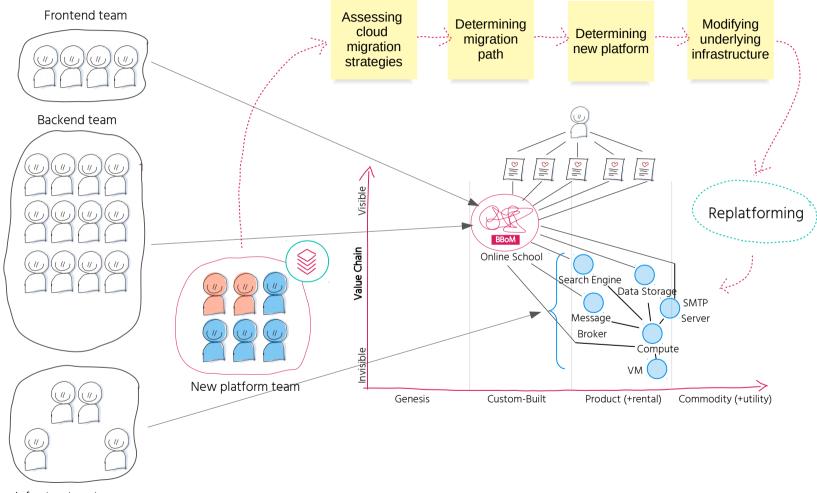
Frontend team



Frontend team

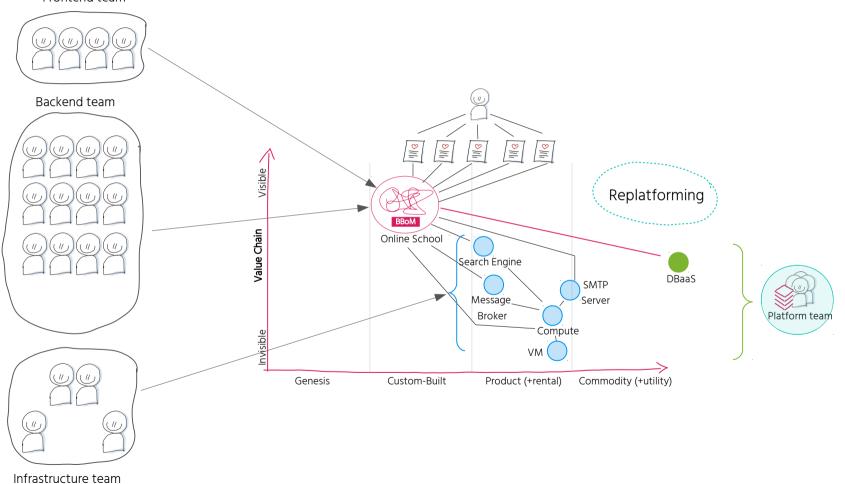




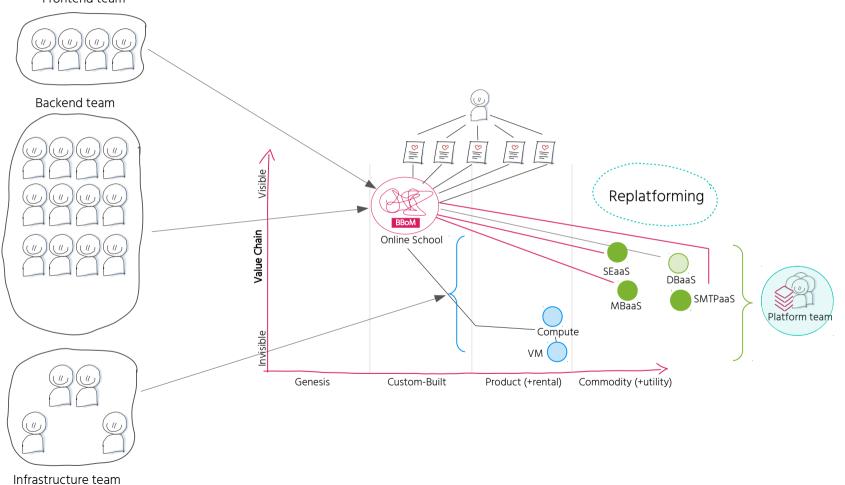


Infrastructure team

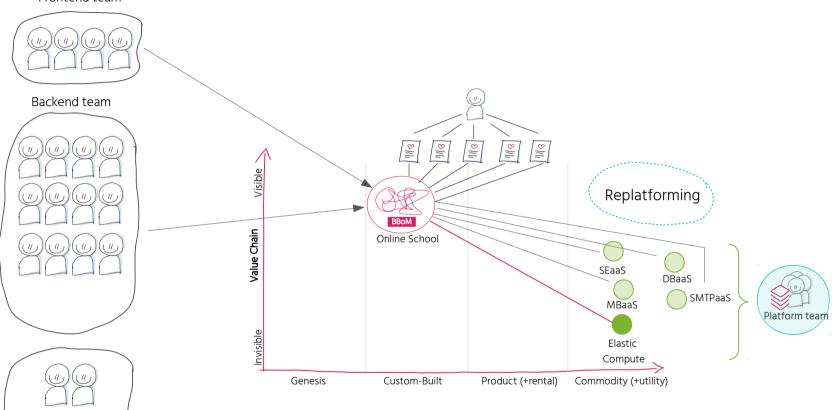
Frontend team



Frontend team



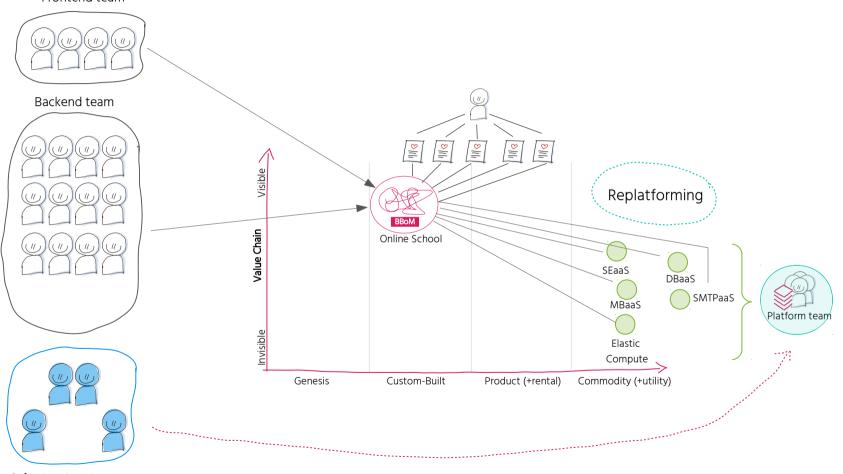
Frontend team



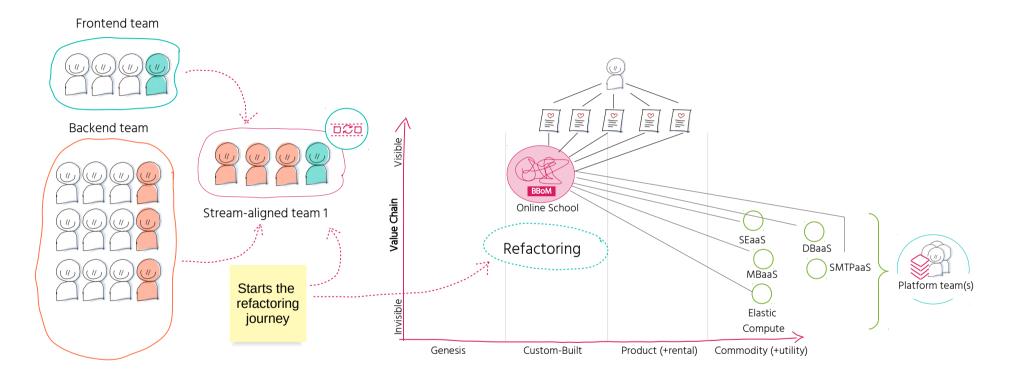
Infrastructure team

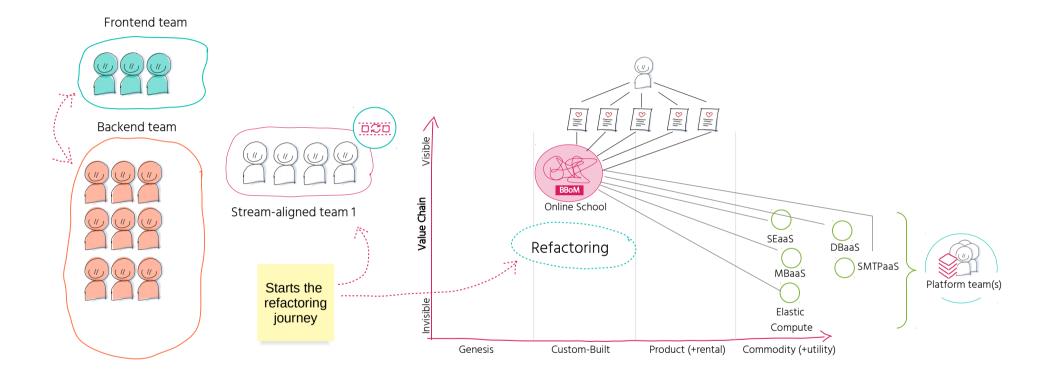
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Frontend team

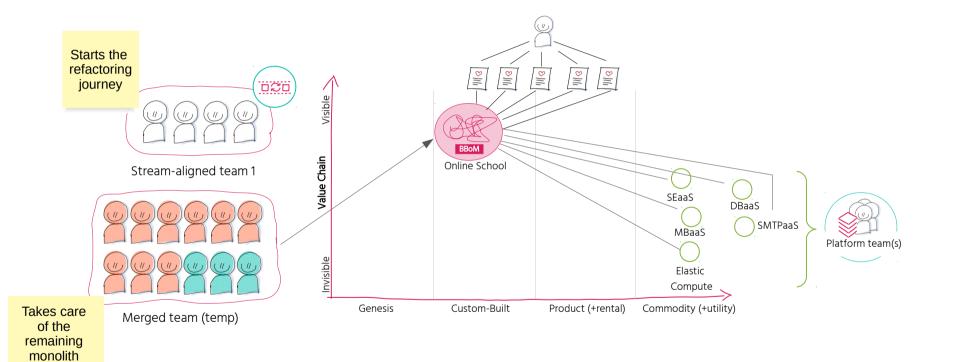


Infrastructure team

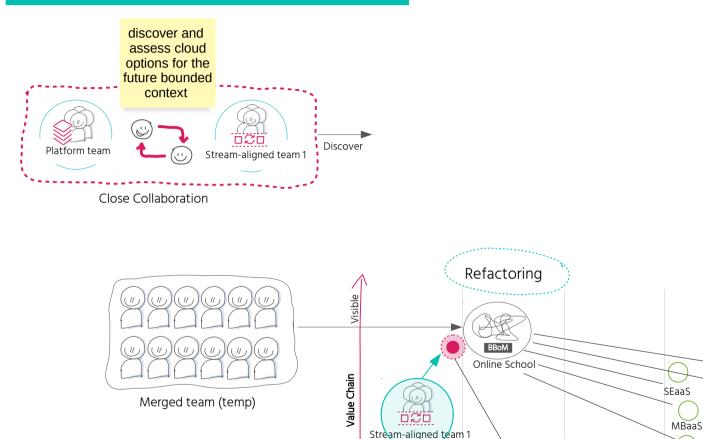




as one team



@suksr

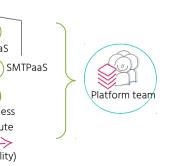


Invisible

Genesis

Custom-Built

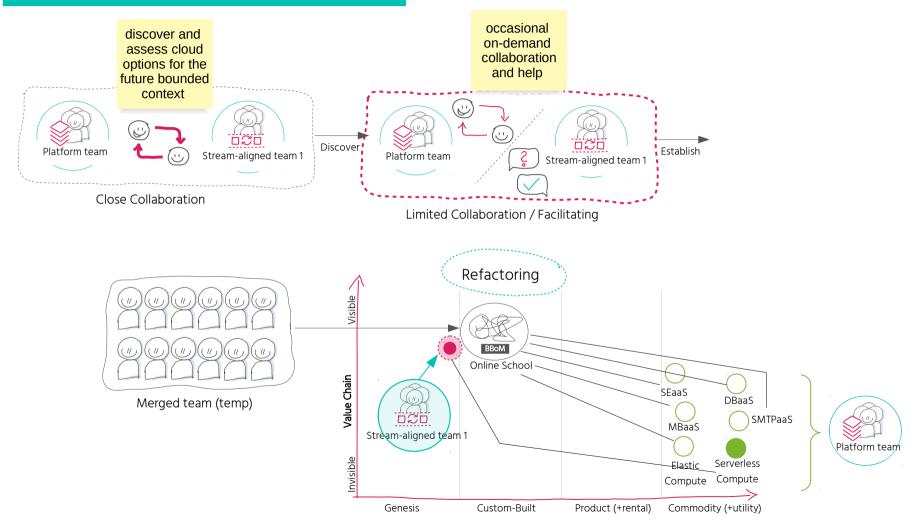
Product (+rental)

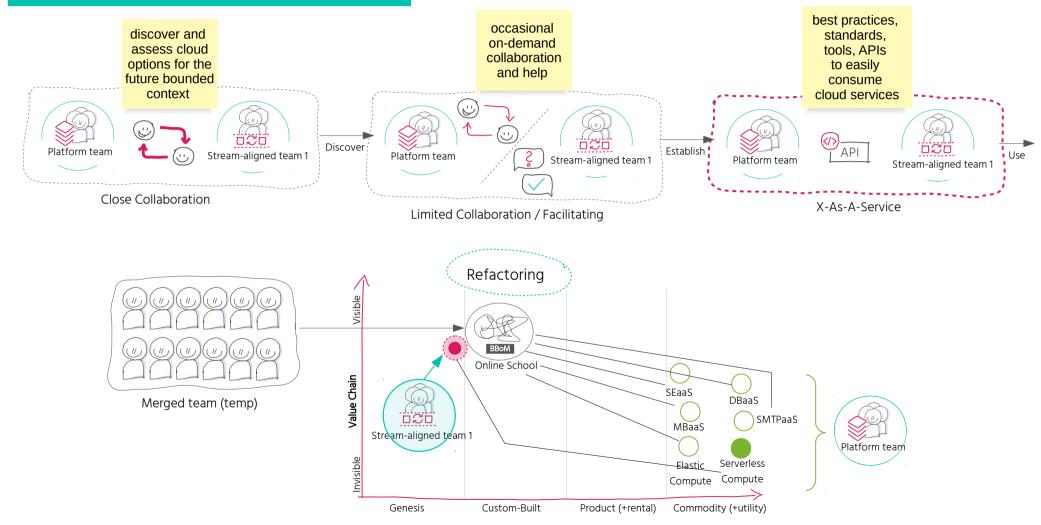


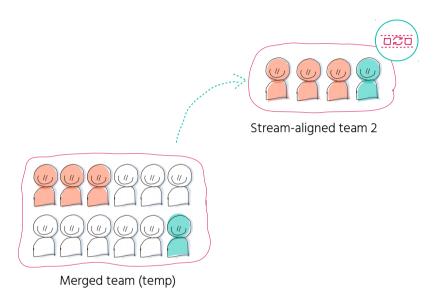
DBaaS

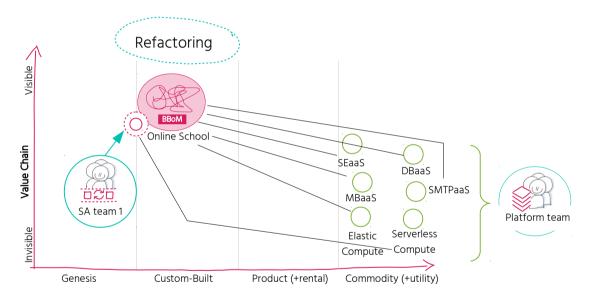
<u>Elastic</u> Serverless Compute Compute

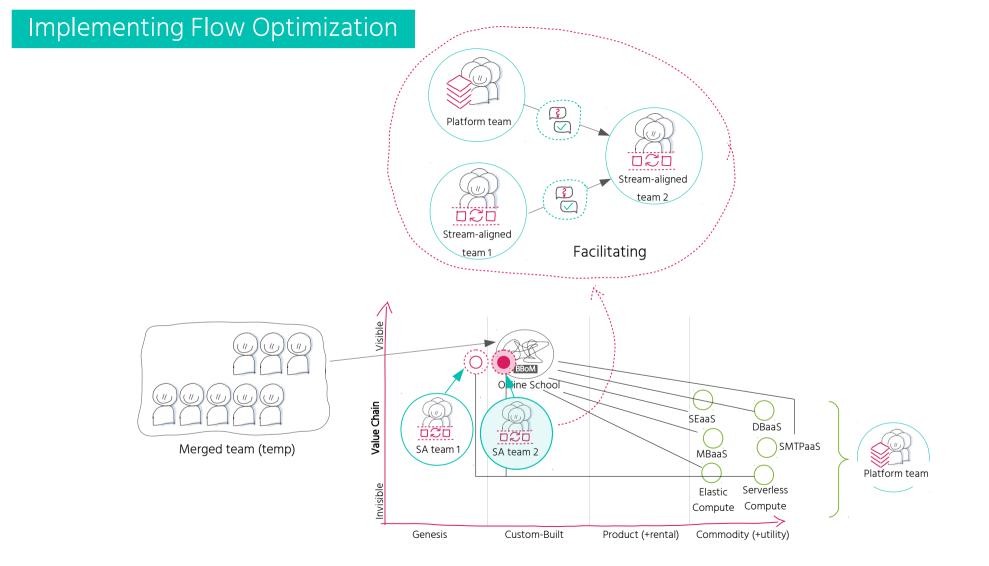
Commodity (+utility)

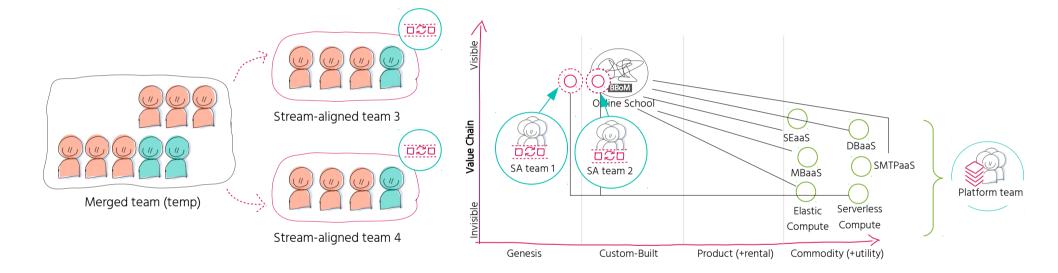


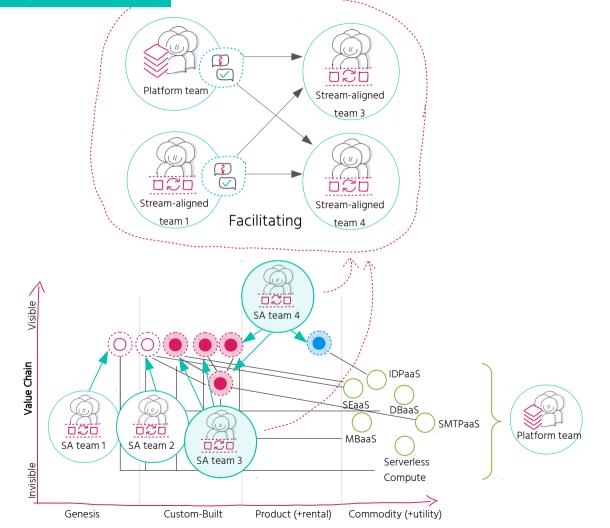


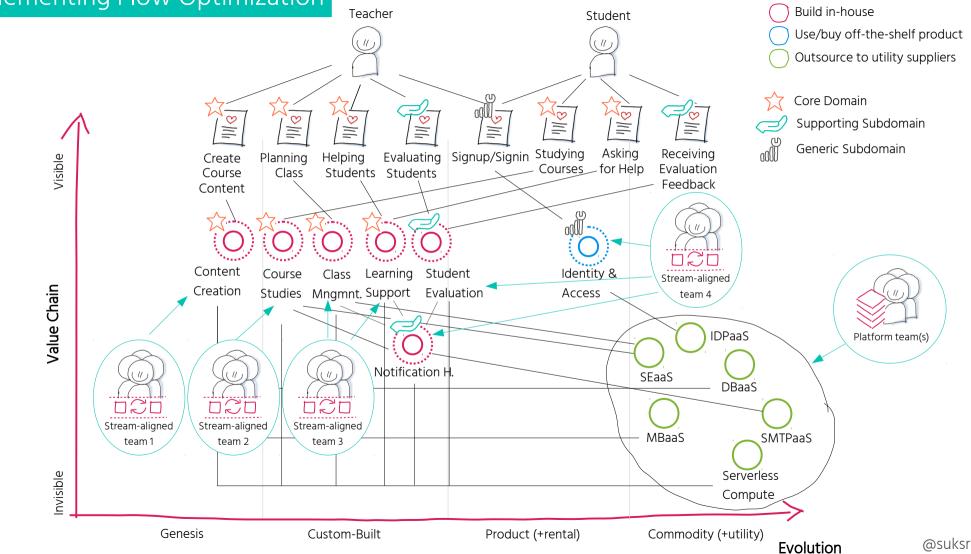












Key Takeaways



Wardley Mapping

Domain-Driven Design

Team Topologies

- Understanding the environment an organization is operating & competing in
- Gaining domain knowledge & discovering the core
- Knowing what components to build, buy/use, or outsource
- Decomposing the problem domain into modular boundext contexts
- Aligning teams and evolving their interactions to the system we build & the strategy we plan

Key Takeaways



Wardley Mapping

Domain-Driven Design

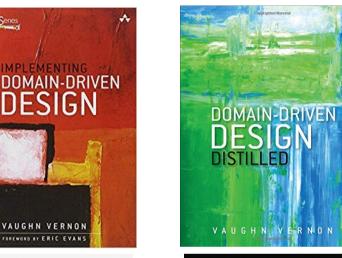
Team Topologies

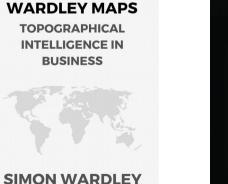
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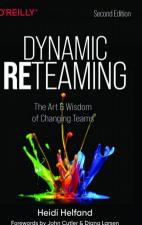
- · Identifying potential efficiency gaps
- Eliminating bottlenecks & increasing software delivery performance
- Being able to respond to changes quickly
- Optimizing for a a fast flow of change with the focus on improving the performance of a system as a whole

Some References







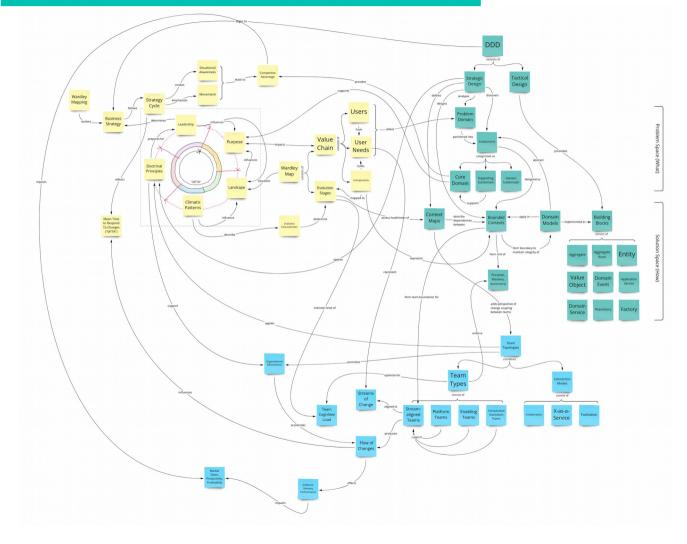


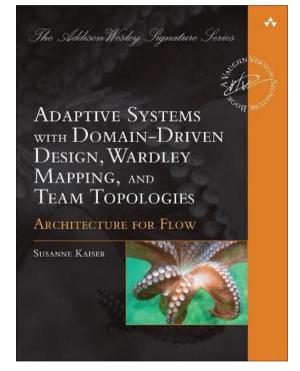
DISTILLE

TEAM **TOPOLOGIES** ORGANIZING BUSINESS AND MATTHEW SKELTON and MANUEL PAIS

https://medium.com/wardleymaps https://learnwardleymapping.com/ https://github.com/wardley-mapscommunity/awesome-wardley-maps https://githup.com/ddd-crew https://www.dddheuristics.com

If you are interested in more details ...





THANK YOU

Your questions "Kesselhaus"



https://app.sli.do/event/tGEgNGuZACjQKvWufmDD9w/live/questions?w=AQpQV