

2017 Cincinnati Day of Agile & Cincy.Develop(); Sponsors

Diamond

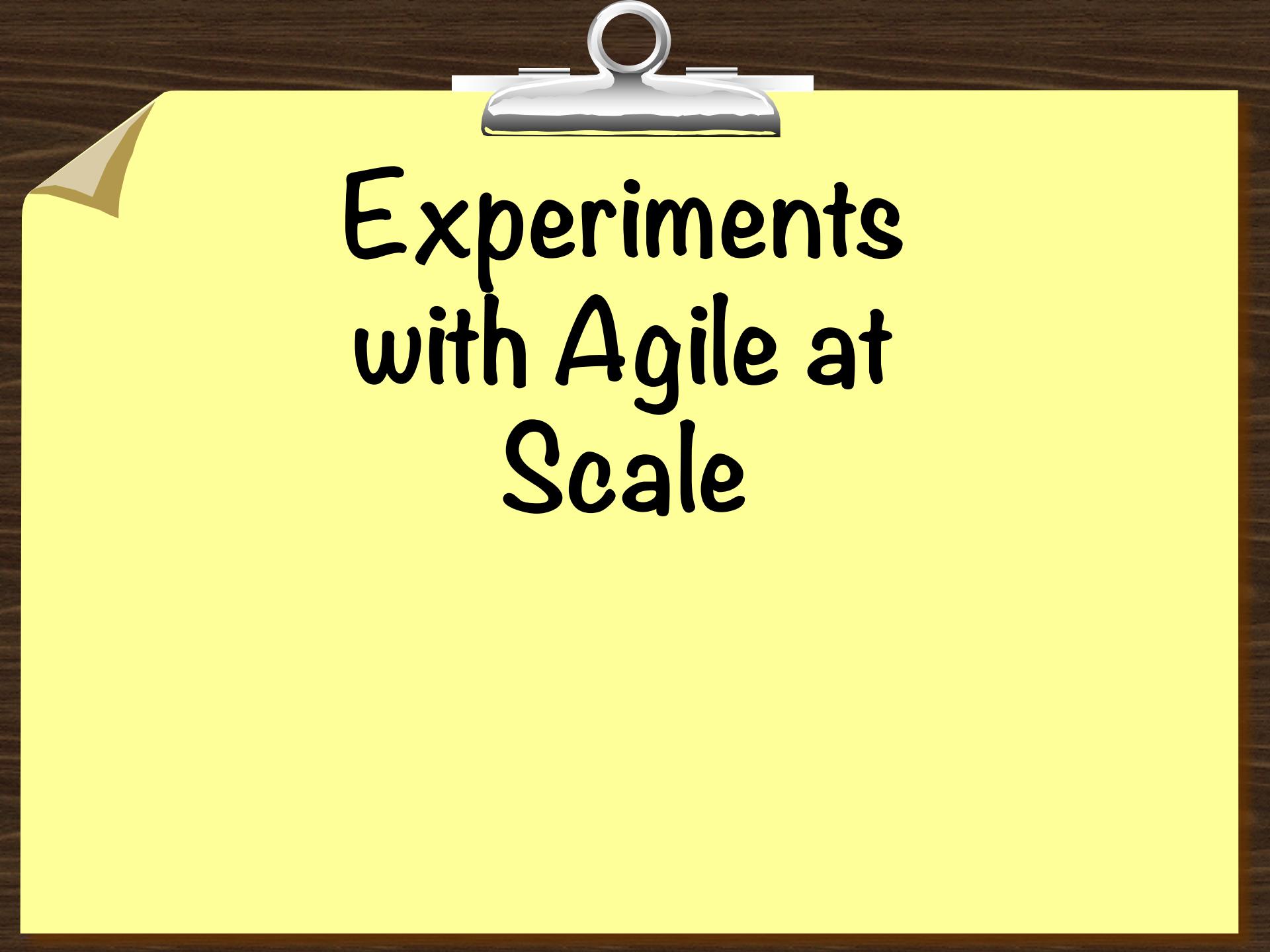


Gold



Silver





Experiments with Agile at Scale

Who am I?

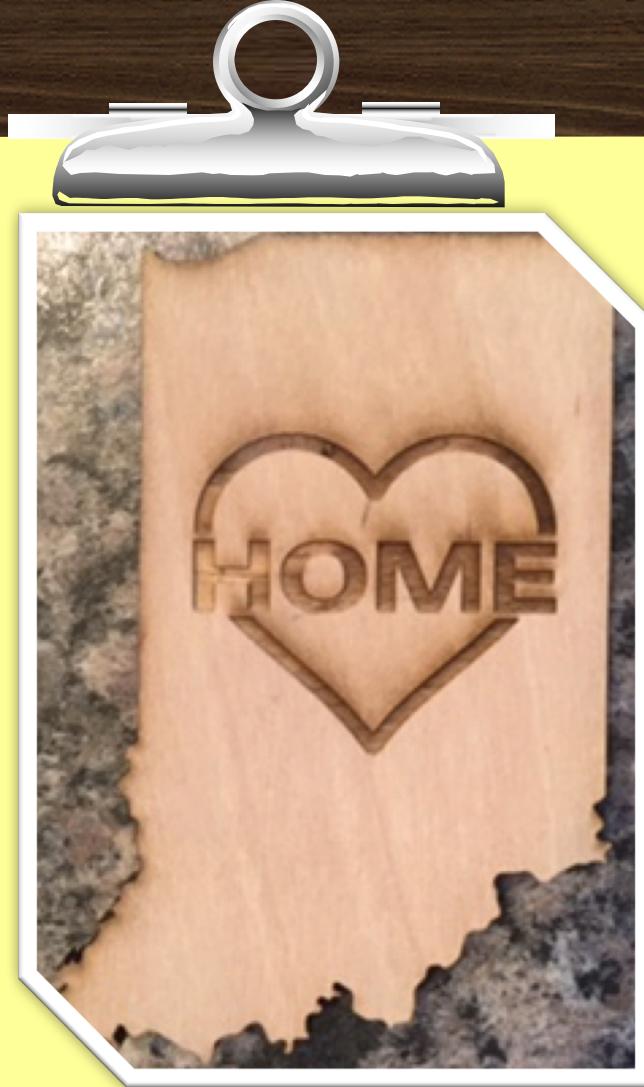
Kevin Brinley

Recovering Developer...

Scrum Master since 2013

Currently a Release Train Engineer

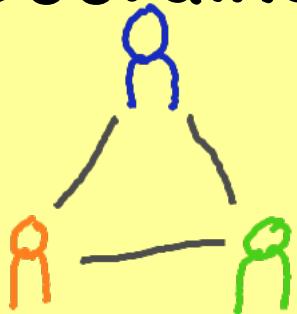




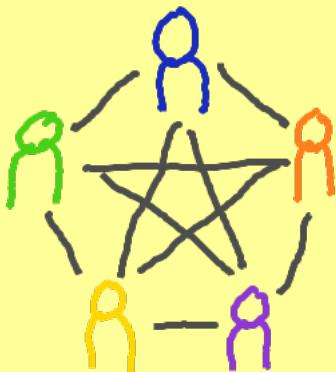
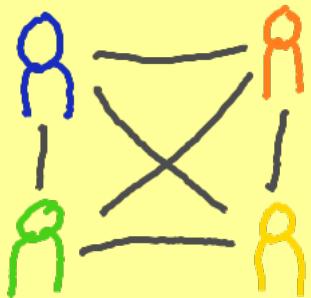
Where am I?

Why scale?

Coordination is hard.



$$\frac{(n^2 - n)}{2}$$

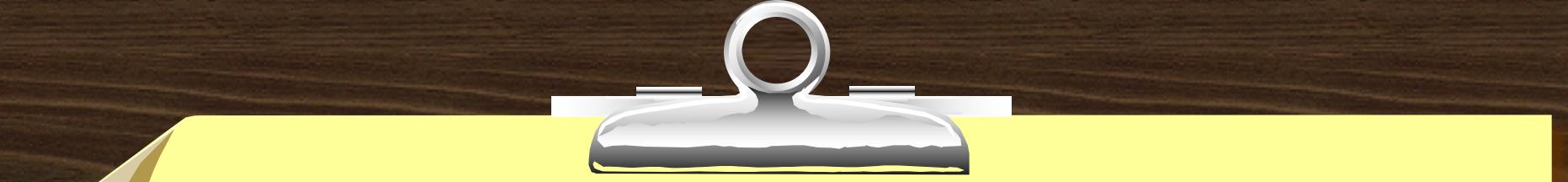


$$\frac{200^2 - 200}{2} = 19,900$$

Why scale?

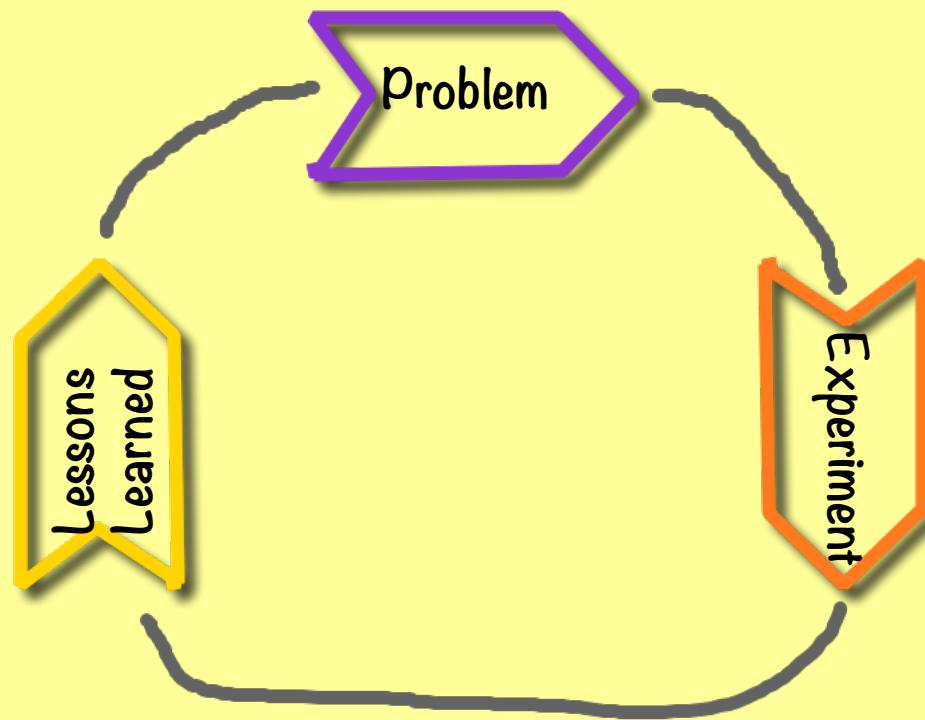
Streamline and
scale
communication

Eliminate
duplicated features
or architecture



The Experiments

Our Experimentation Model

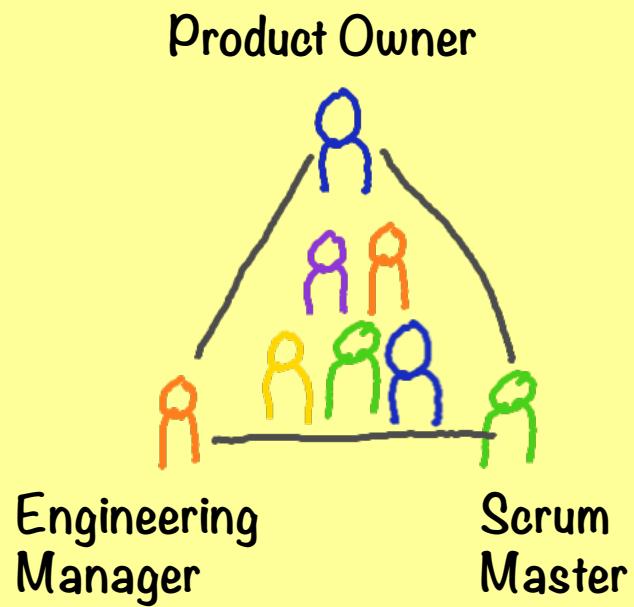




Problem 0

What is the role of an Engineering Manager in an Agile organization?

Team Structure





Lessons Learned

Coach the
leaders

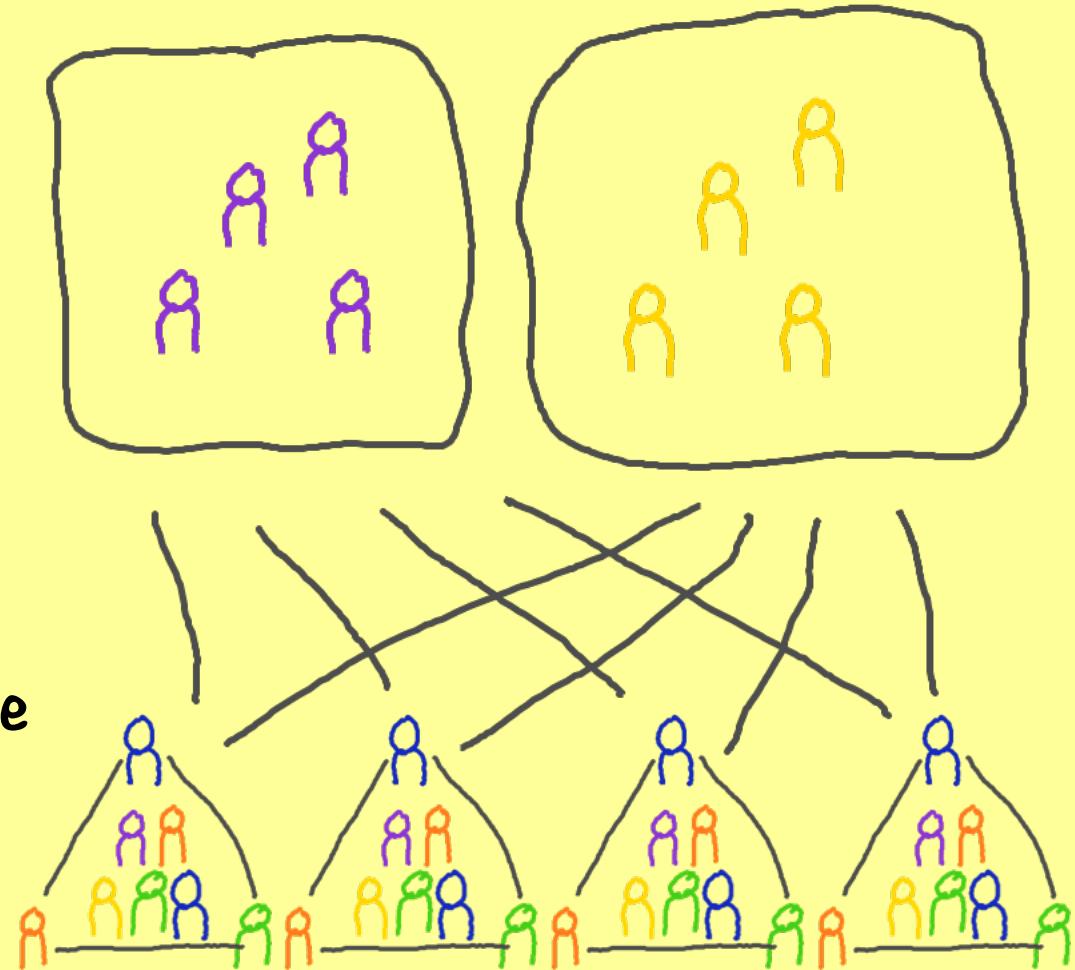
Hold them
accountable



Problem !

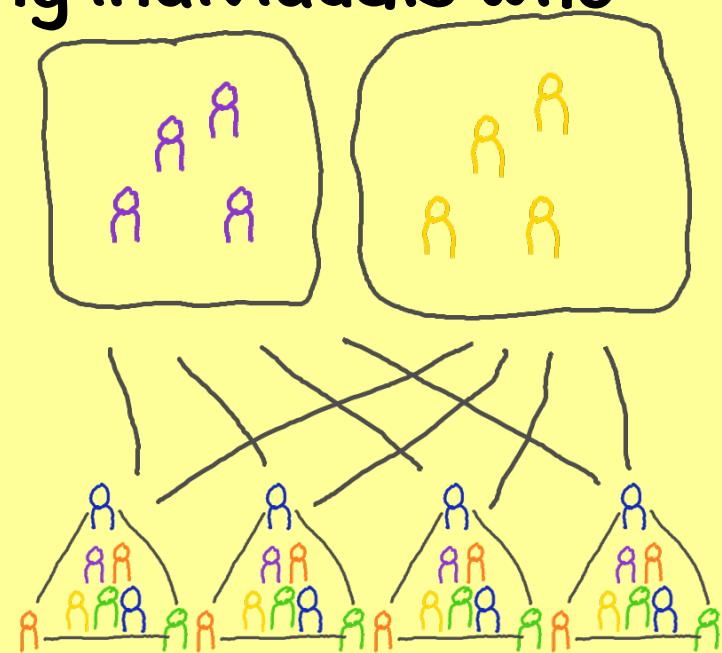
How do teams self-organize around coding standards, best practices, architectural decisions, frameworks, and tools?

Communities of Practice



What is a Community of Practice?

A meeting of self-organizing individuals who share a common interest





Lessons Learned

Have strong
facilitators

Avoid output
driven CoPs

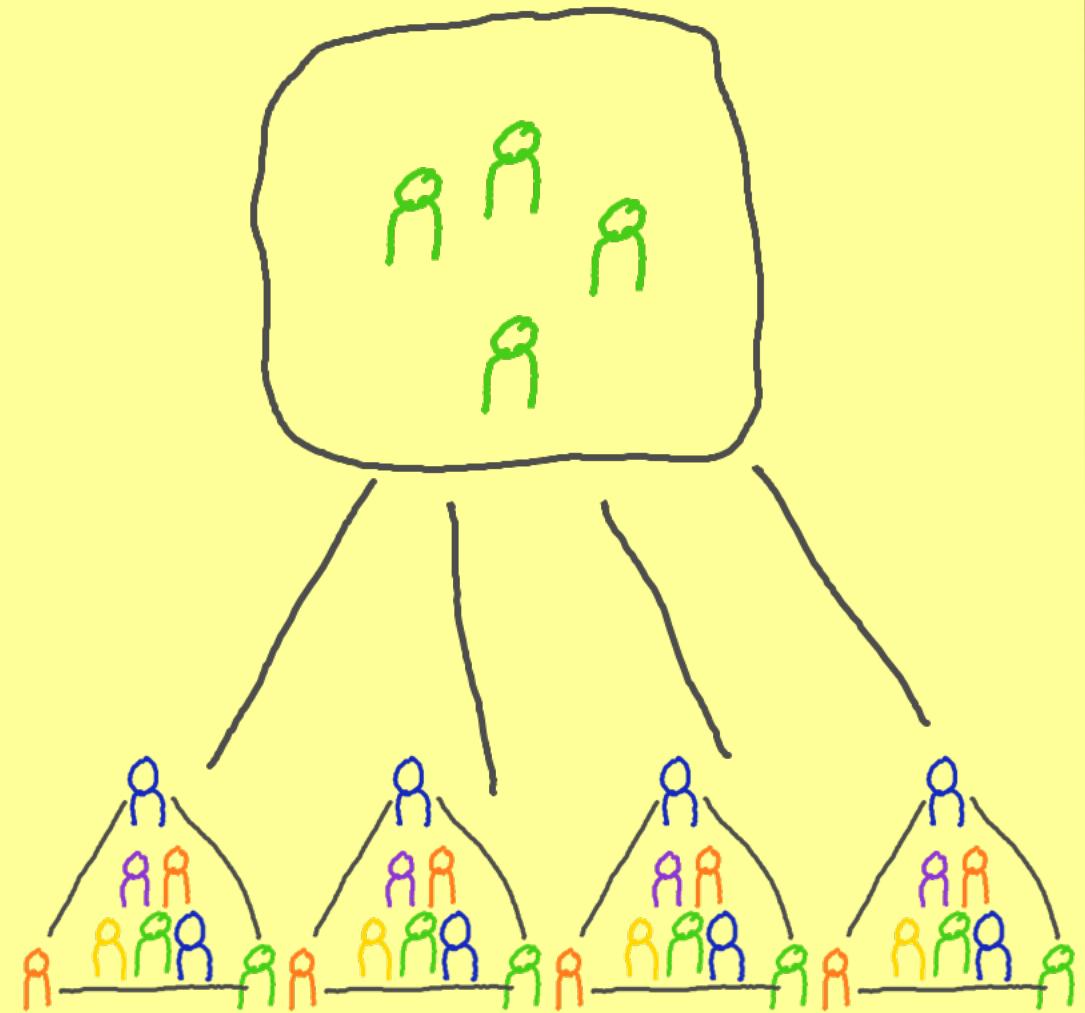
Encourage
new CoPs



Problem 2

How can teams clear impediments, address dependencies and coordinate releases?

Scrum of Scrums



Lessons Learned

Correct
representation

Use visuals

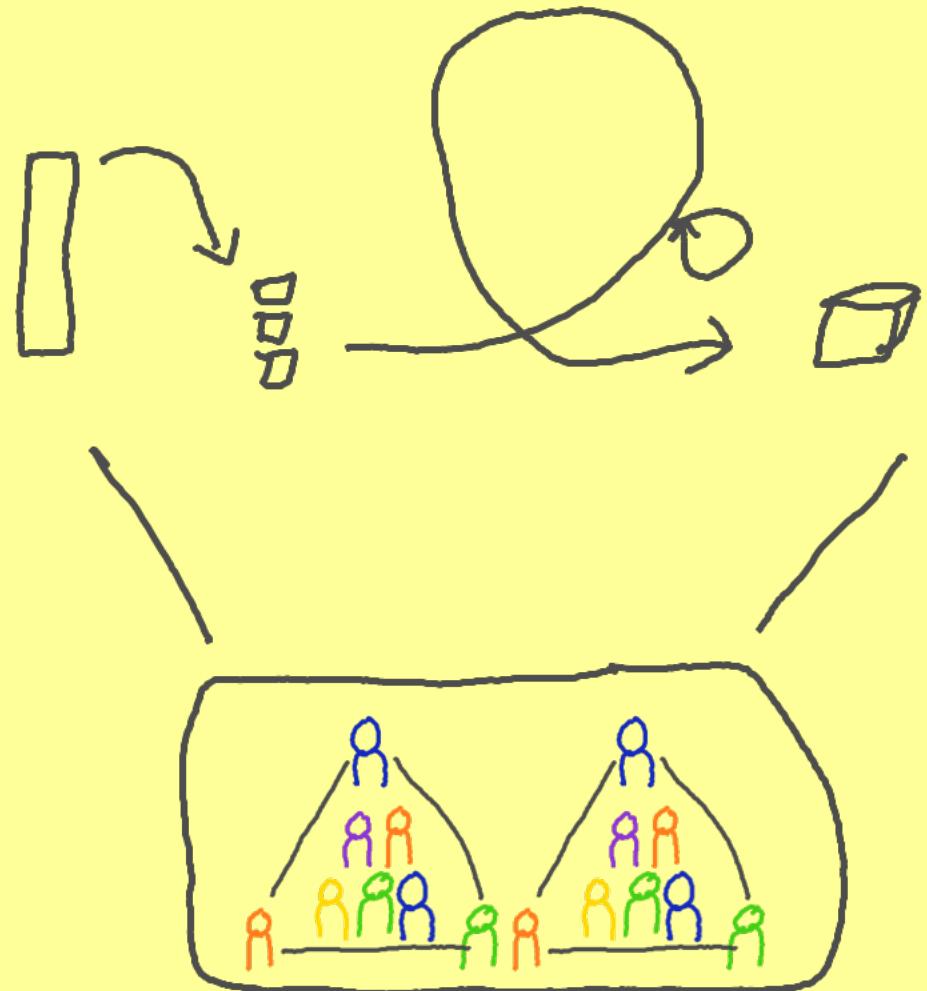
Retrospect
often



Problem 3

How can 2 teams work together on a single backlog to deliver a project with a deadline?

Large Scale Scrum (LeSS)





Lessons Learned

Keep at it

Preserve
individual team
identity

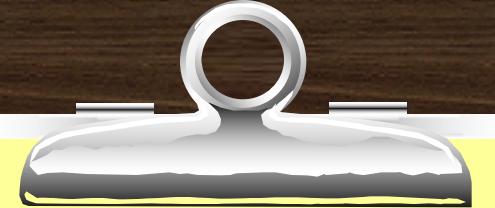
Put it into Practice

- Need 8 volunteers
- Form teams of 4
- Choose a Product Owner & a ScrumMaster
- Each team will receive a deck of cards
- Goal is to reorder the cards so they are in the same order as they were when they left the factory
- 2 minute "Sprint"



Problem 4

How can we get DevOps, DBAs, and other shared service teams out of a reactionary mode and into a planning mode?



How do we stay synchronized?

Pile driving - India style ➔



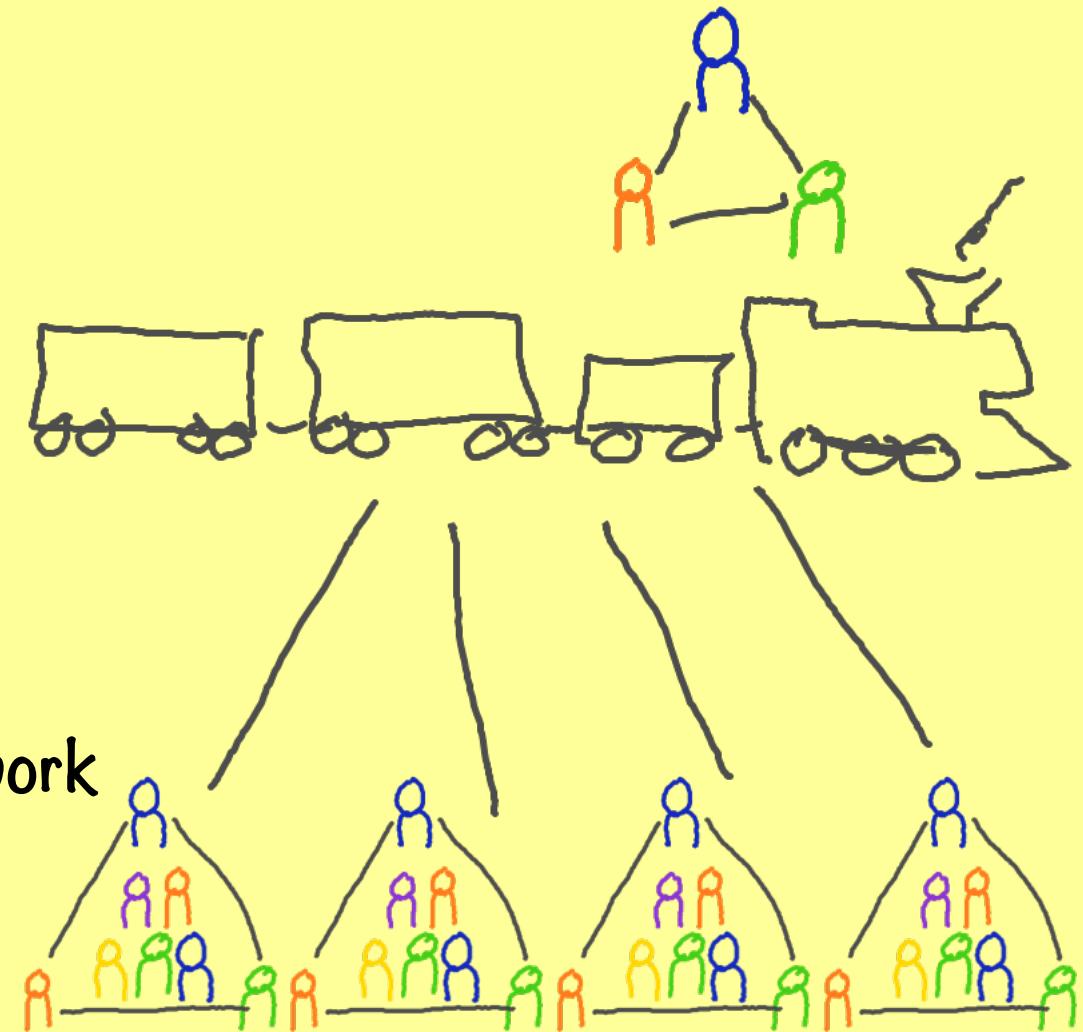
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YouTube



Scaled Agile Framework (SAFe)



Lessons Learned

2 day planning is
EXPENSIVE

Mind your culture

Space is
important

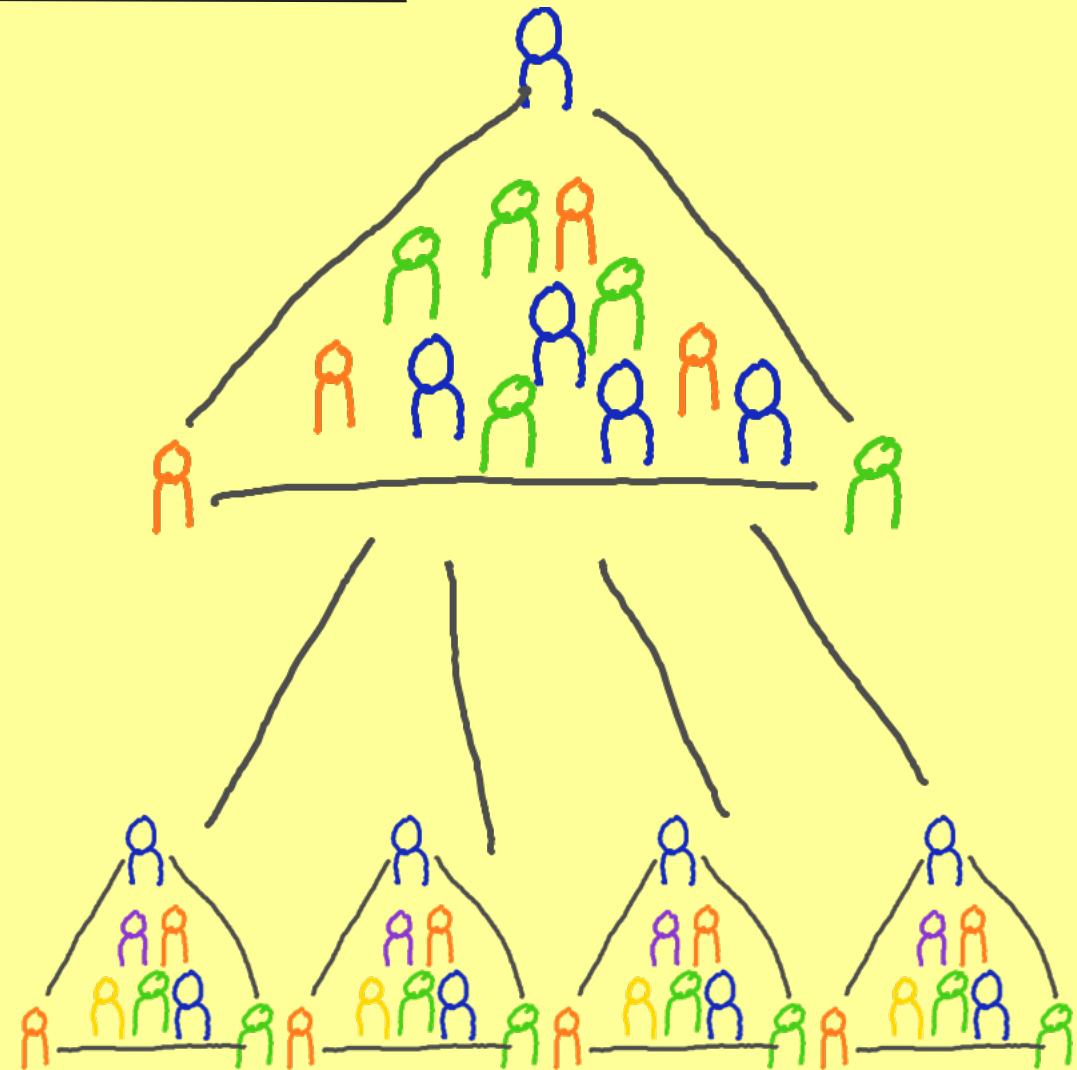
Coach and
support the
business



Problem 5

How can we make organizational improvements to support and improve the teams?

Program Leadership Teams



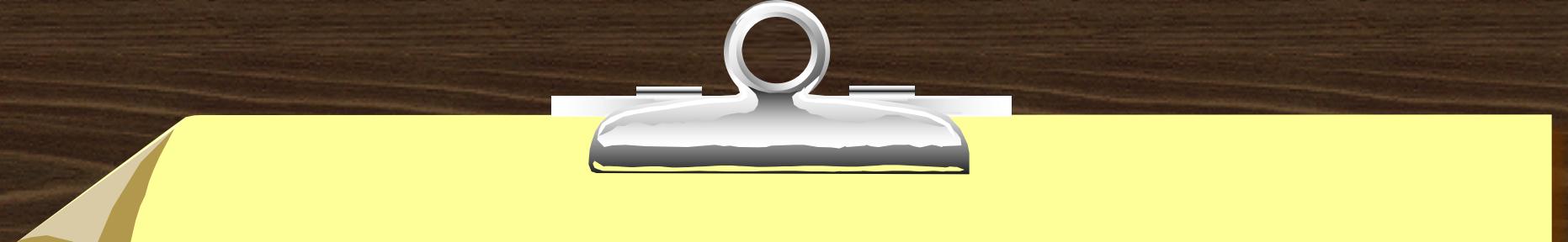


Lessons Learned

Expect strong
personalities

Establish
team norms

Start with
small wins



Conclusions

- 1 Start with why
- 2 Minimum viable scaling
- 3 Experiment before choosing a scaling framework
- 4 Communicate, communicate, communicate

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