



Develop Your Development Experience

@jessitron

Objective



Deliver Useful Software



-why?

Motivation

Objective



Deliver Useful Software



Objective



Deliver Useful Software



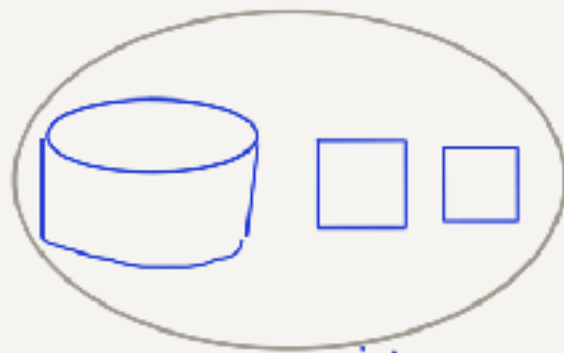
Motivation

Example: DevOps
Theory: symmathesy
Demo: Atomist





Nate





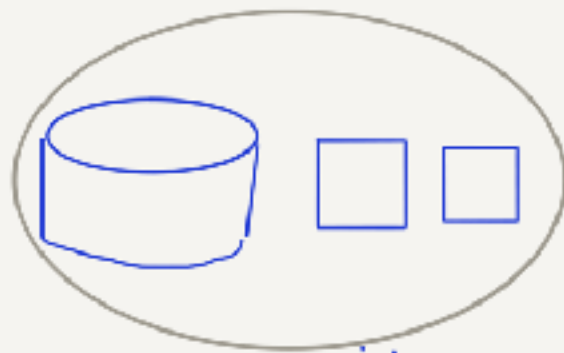
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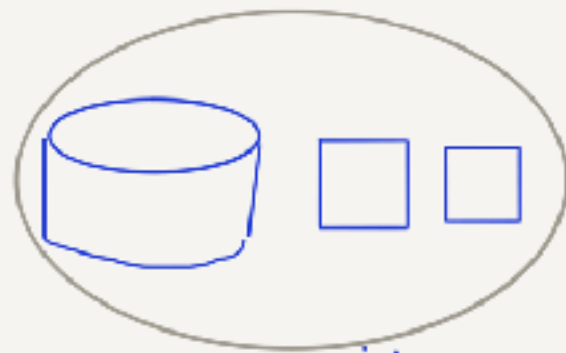
Team:

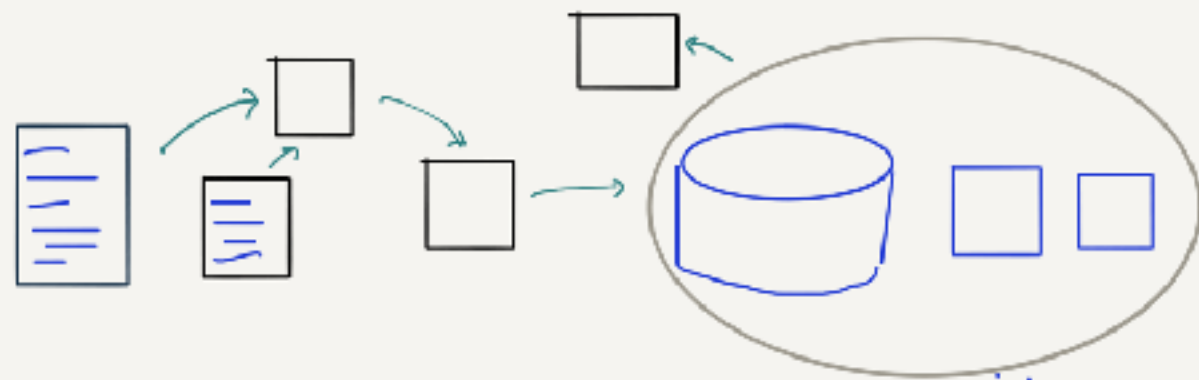
all the people
without whom
you cannot succeed.



Nate









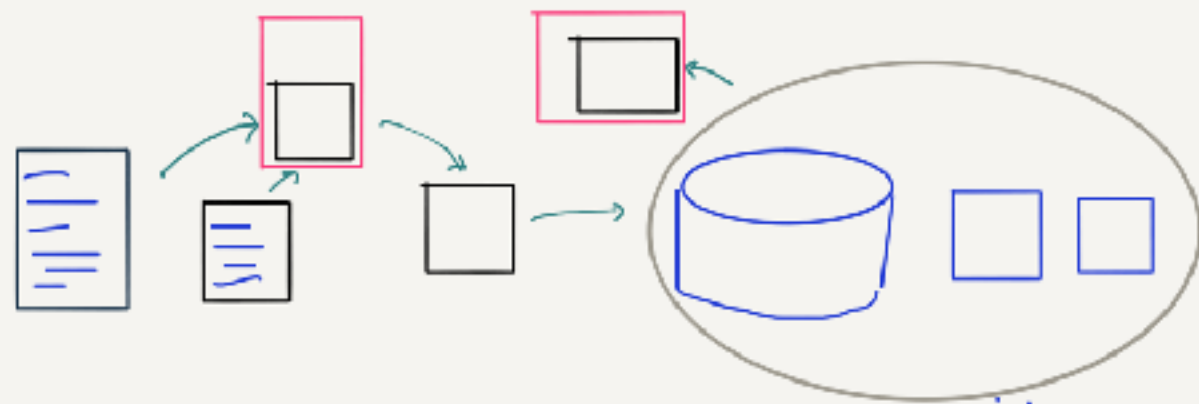
Speed

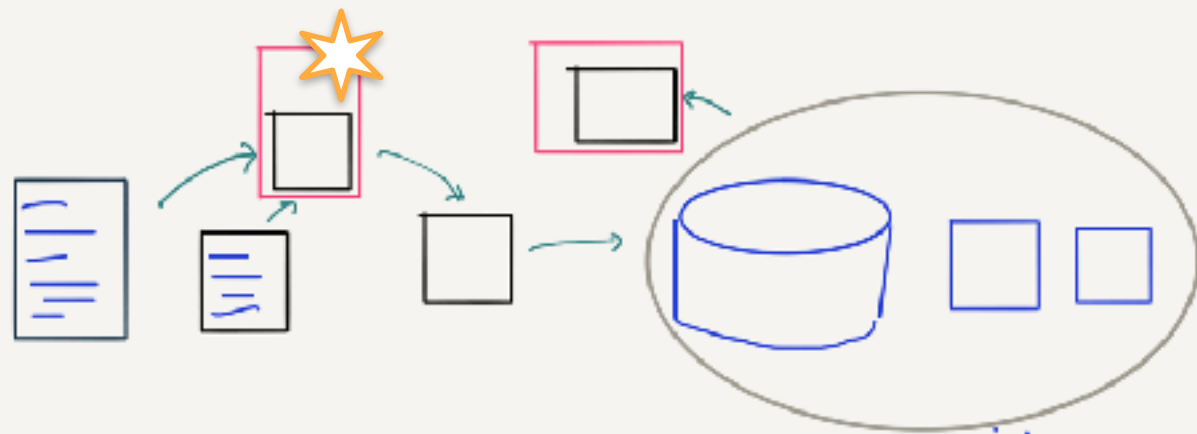
Safety



"We shape our tools
and our tools shape us."

- McLuhan

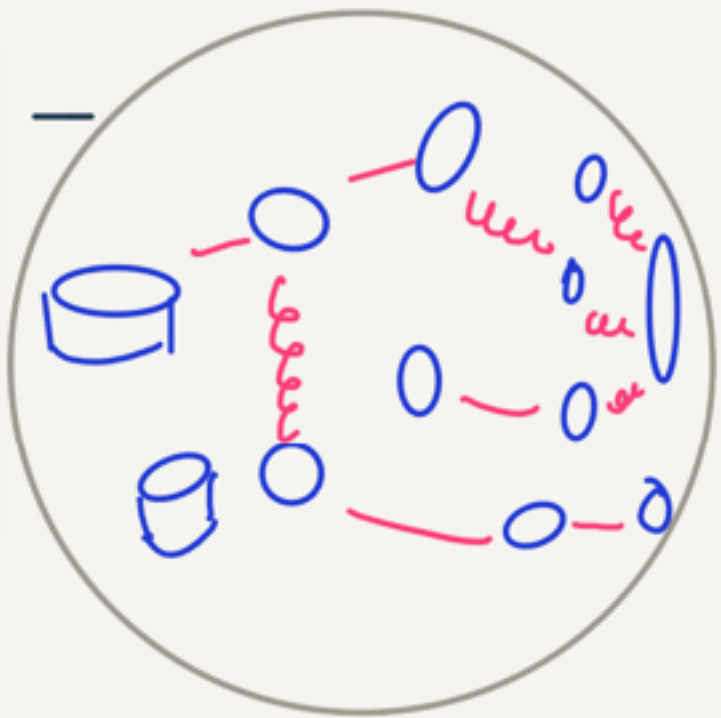


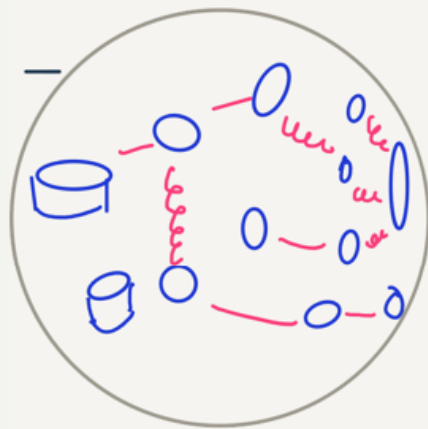


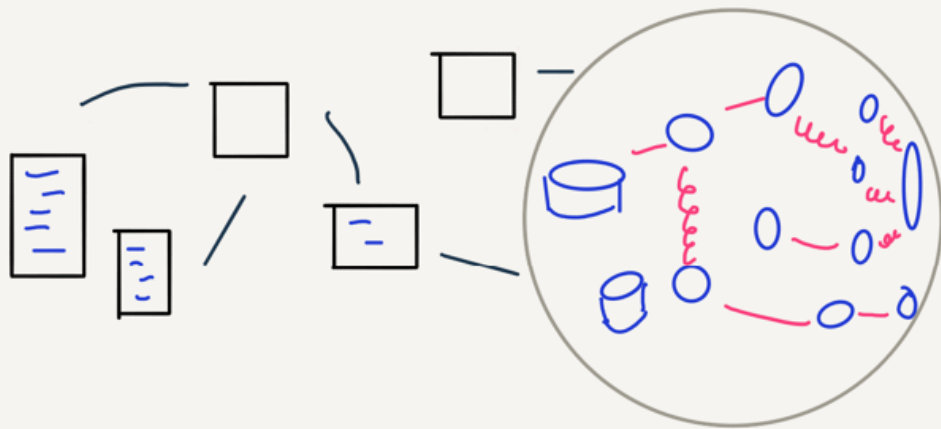
DevOps

is a special case of

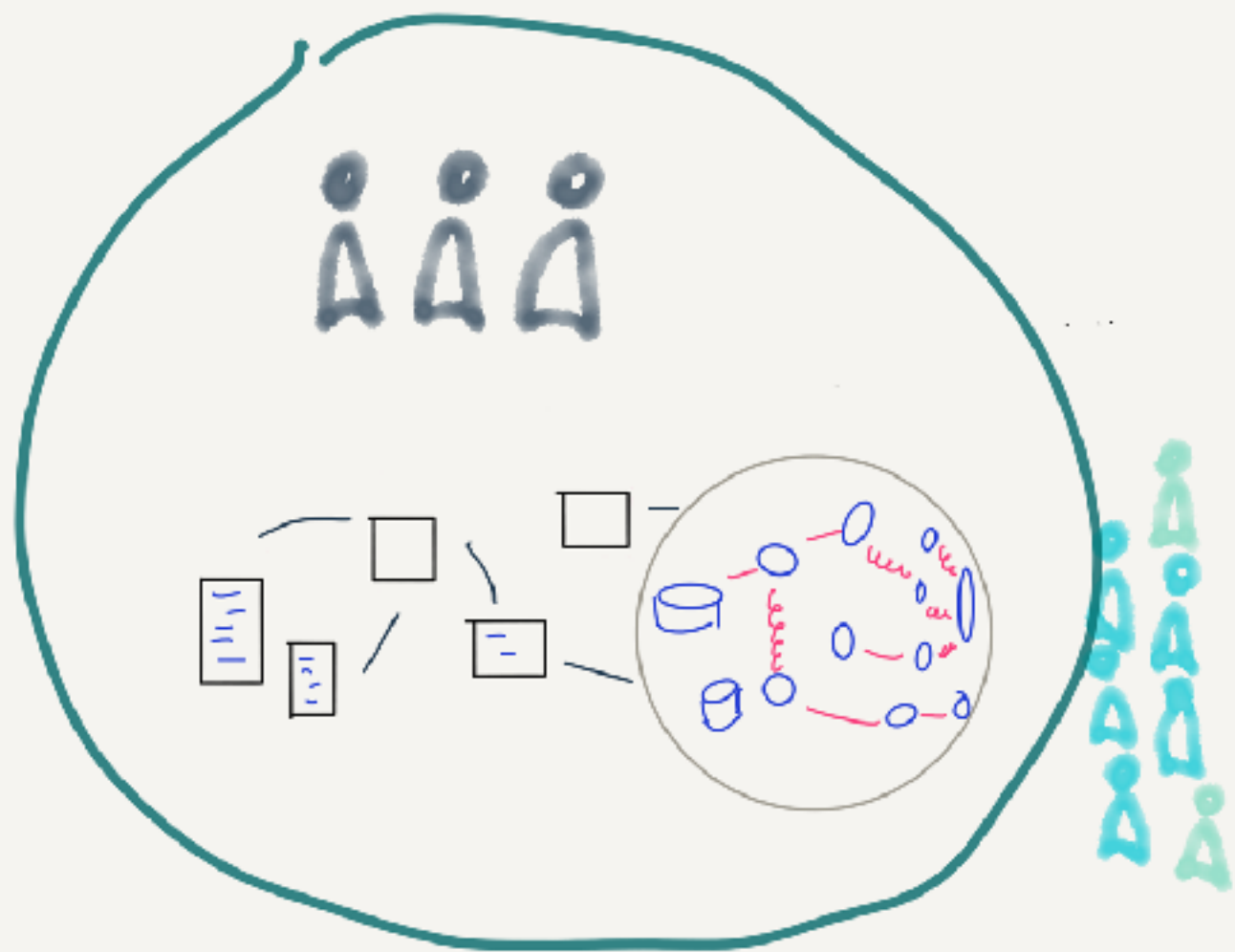
Developer Experience

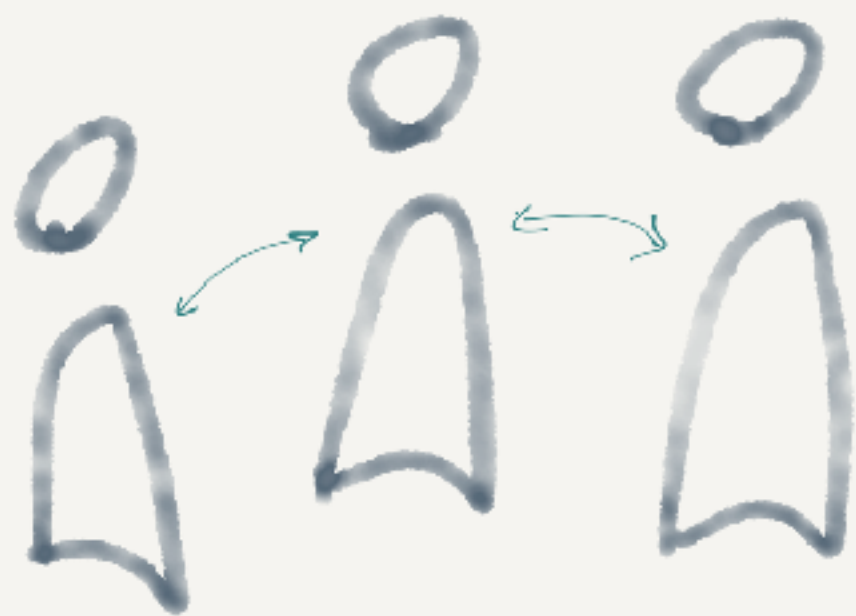






The team includes
the tooling.





Agile: observe, experiment, improve

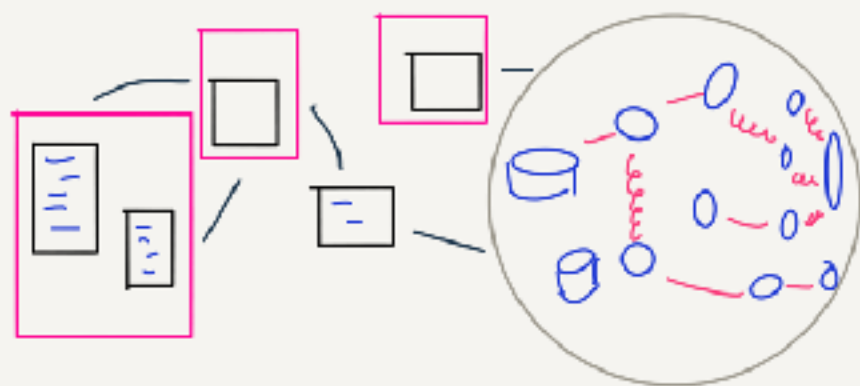
Developer Experience
extends

the spirit of
agile to our tooling.

DevOps → CI

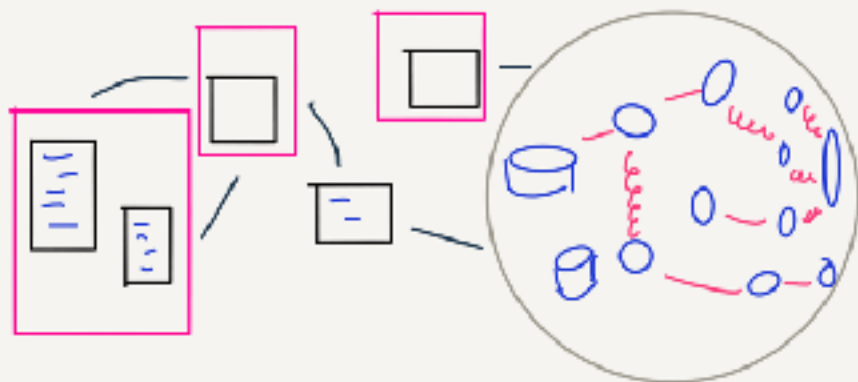
agile → retrospective

DevEx → Atomist!
(and other tools)



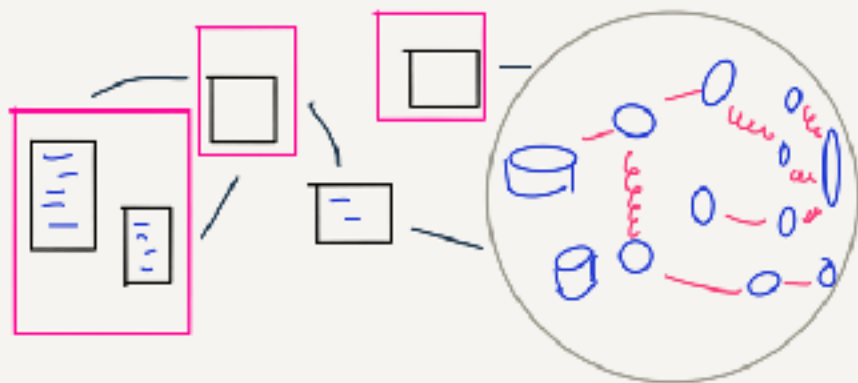
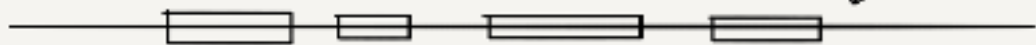


Line of Representation





Line of Representation
↓





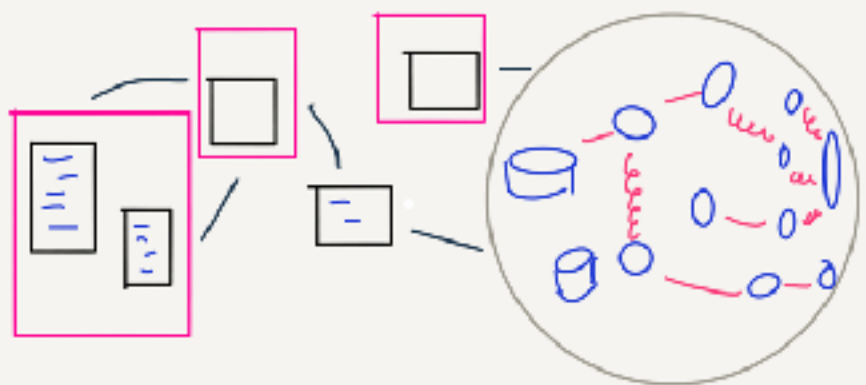
↓ control ↓

↑ visibility ↑

Line of Representation



move work below the line.
from human to machine instructions
safe!
traceable!
reproducible!
smooth.





↑ visibility



Line of Representation

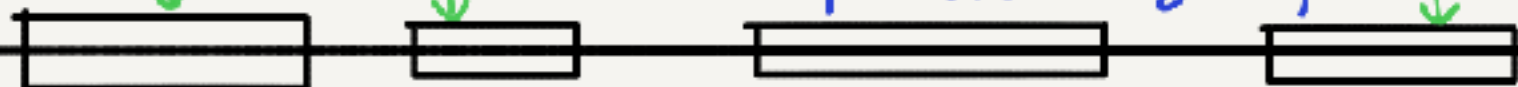




↓ control ↓

↑ visibility

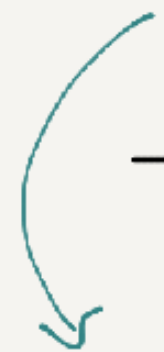
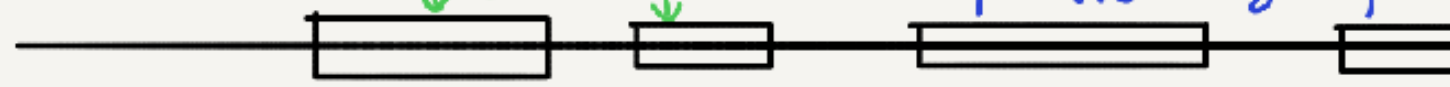
↑ ↓



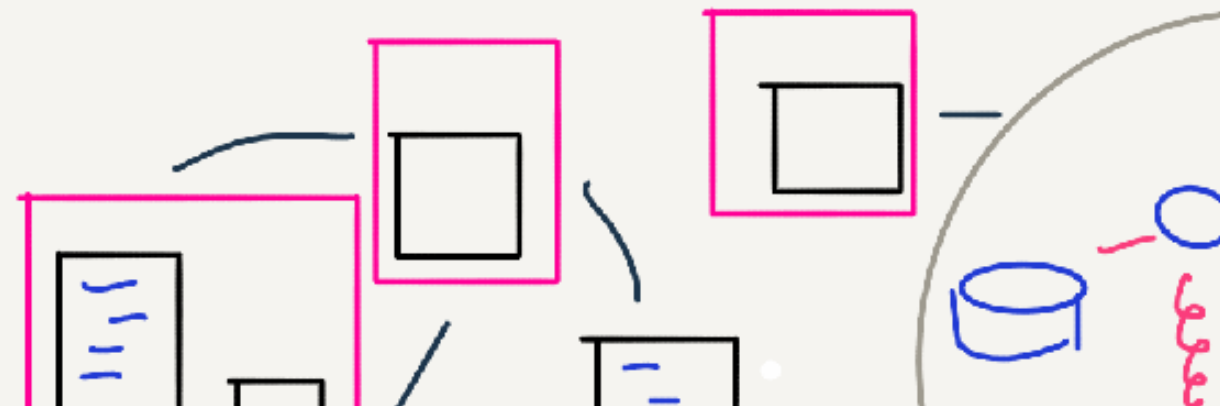


↓ control ↓

↑ visibility ↑

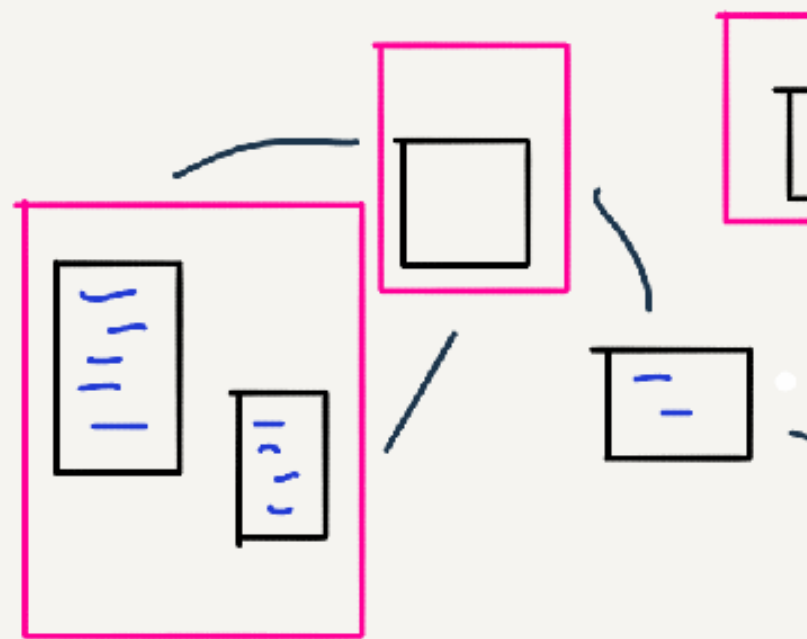


move work
below the line.
from human to machine
instructions.





move work
below the line.
from human to machine
instructions.
safe!
traceable!
repeatable!
smooth.

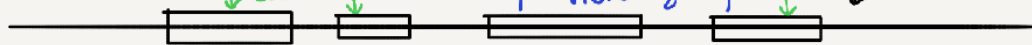




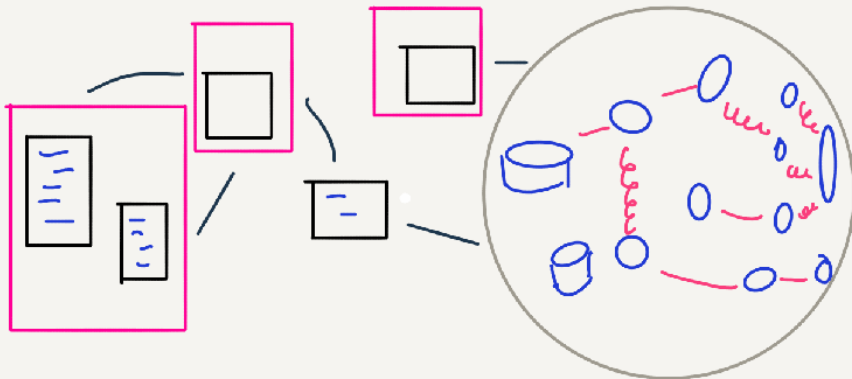
↓ control ↓

↑ visibility ↑

Line of Representation



move work
below the line.
from human to machine
instructions.
safe!
traceable!
repeatable!
smooth.



but Don't!

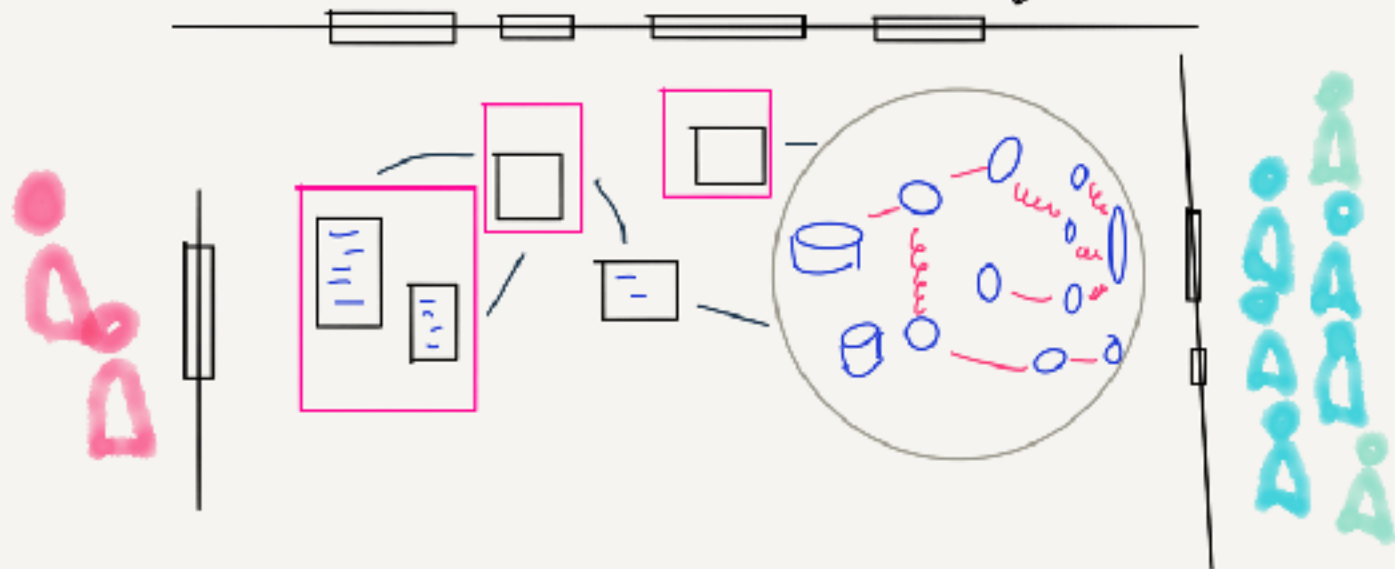
move decisions
below the line.

automation augments decision-making
with information and carrying-out.
↑ visibility! ↑ control!

Operate
what is
yours.

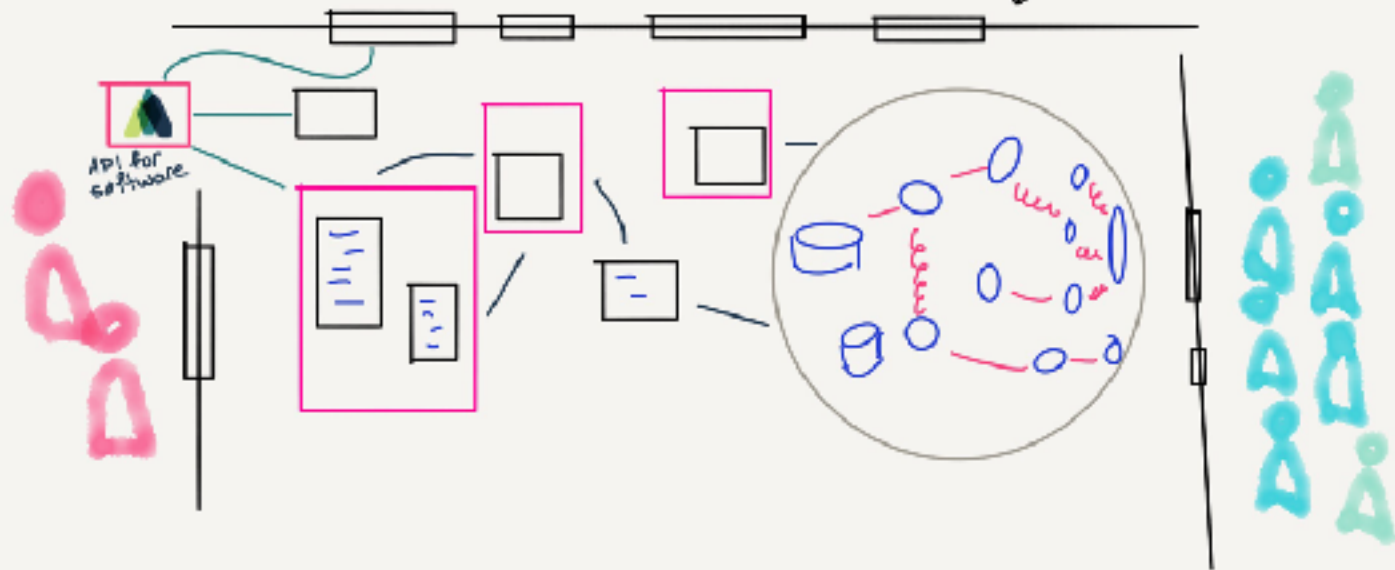


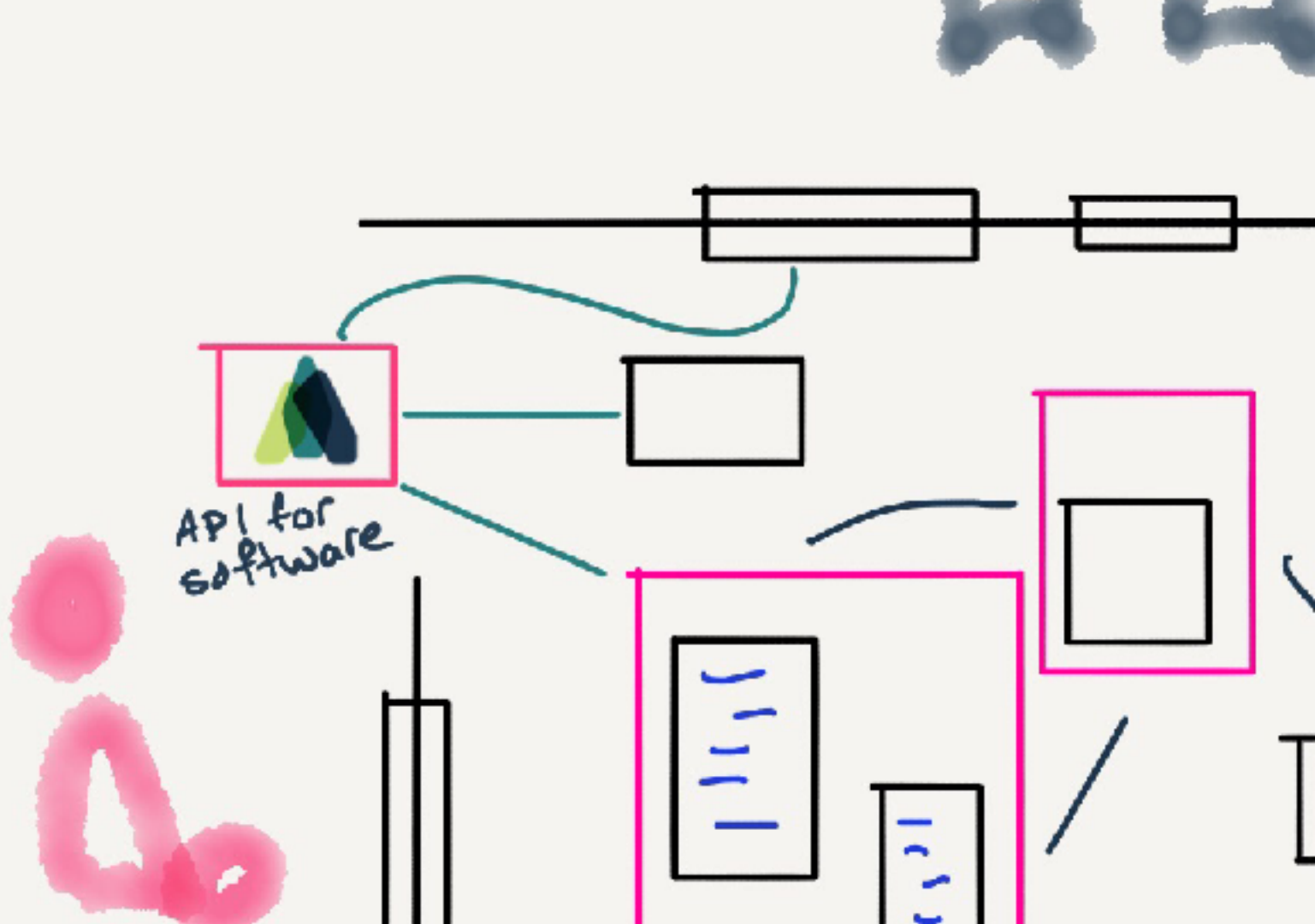
Line of
Representation





Line of Representation





Triggering

Don't Wait.

when tests and review pass,
merge the PR.
when the PR is merged,
build an artifact.
deploy new artifacts
to Test.

Tracking

Don't Forget.

When the deploy completes,
notify the creators
of all fixed issues.
Provide a link to try it,
and buttons to approve
or comment.

Talking

Triggering

↓

Don't Wait.

when tests and review pass,
merge the PR.

when the PR is merged,
build an artifact.

deploy new artifacts
to Test.

↓

Don't Forget.

merge the PR.
when the PR is merged,
build an artifact.
deploy new artifacts
to Test.

Don't Forget.

Linking

When the deploy completes,
notify the creators
of all fixed issues.
Provide a link to try it,
and buttons to approve
or comment.

Deliver Useful Software



Deliver Useful Software
Quickly



Deliver Useful Software
Smoothly



Beware:
Ossification



Bonus

Be the customer
what is useful?

Think really hard
what is our job?

Play with new tech
low risk

Legibility
your team's API

- reproducible
- auditable
- reporting
- secure

— Generativity —

the difference between your team's output with you, vs. without you.



Readable Reuse

A hand-drawn seesaw with a black beam and a grey fulcrum. The word 'Readable' is written in green on the left side, and 'Reuse' is written in yellow on the right side.

Depth Polyglot

A hand-drawn seesaw with a black beam and a grey fulcrum. The word 'Depth' is written in yellow on the left side, and 'Polyglot' is written in green on the right side.

Movement Tracking

A hand-drawn seesaw with a black beam and a grey fulcrum. The word 'Movement' is written in green on the left side, and 'Tracking' is written in yellow on the right side.

Learning Consistency

A hand-drawn seesaw with a black beam and a grey fulcrum. The word 'Learning' is written in green on the left side, and 'Consistency' is written in yellow on the right side.

Observe

Aspire

Explore



Our world is ours
to change.

Architecture?

develop the system
we have into one that
works better.



Objective



Deliver Useful Software
Smoothly

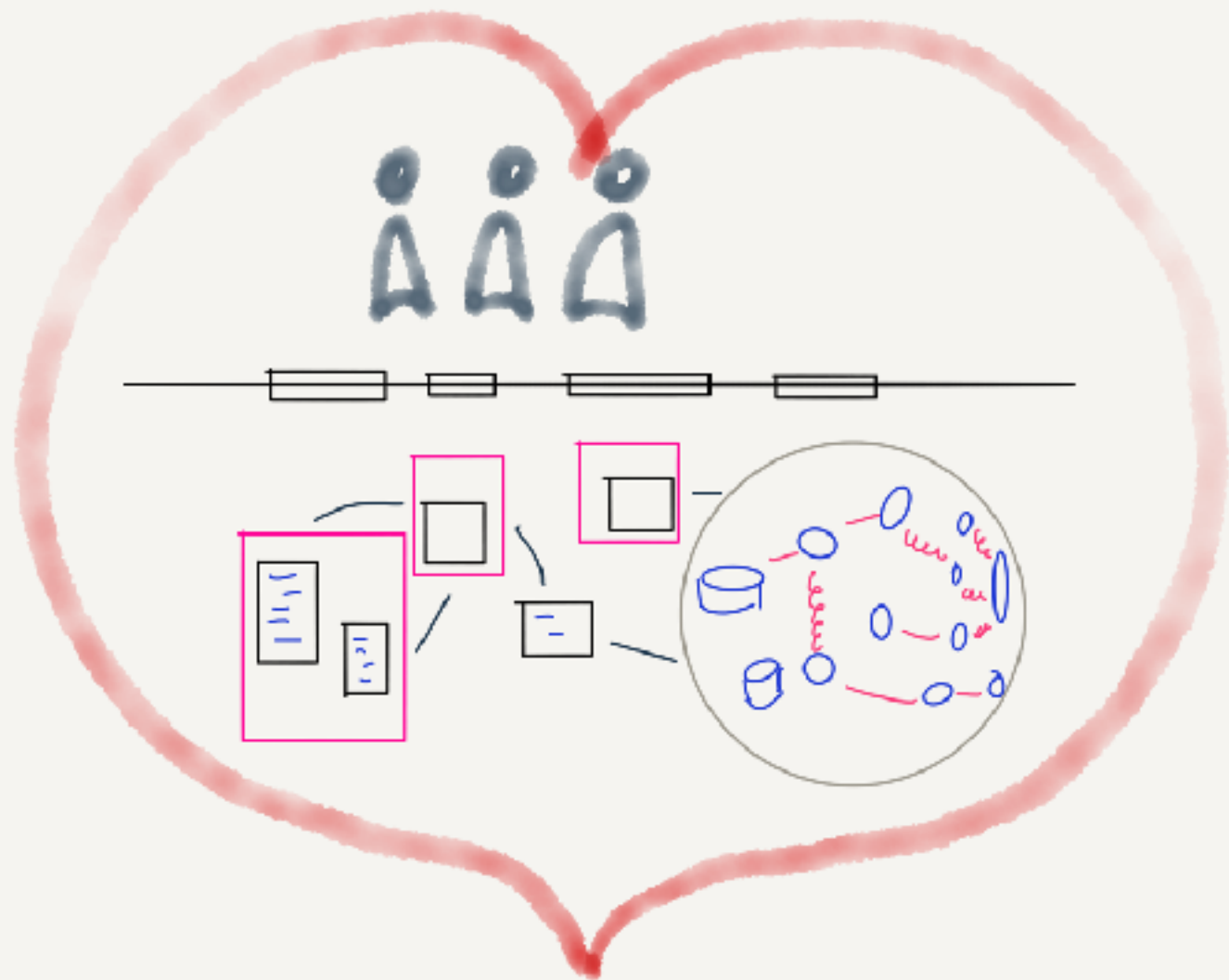
Motivation





Motivation





@jessitron



atomist.com

“STELLA Report,” @ddwoods2

IdeaFlow, @janellekz

Obliquity, John Kay

Small Arcs of Larger Circles, @norabateson