Bryan Finster

Defense Unicorns

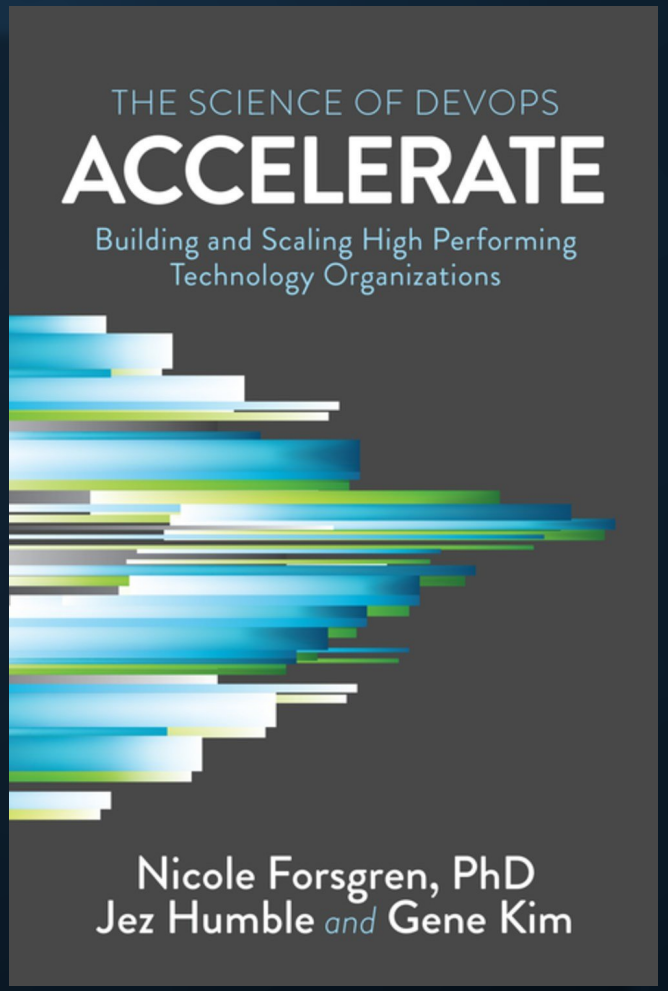
MinimumCD.org

vsm consortium

ENTERPRISE TRANSFORMATION

We need better outcomes for ourselves and our customers

“Continuous delivery improves both delivery performance and quality, and also helps improve culture and reduce burnout and deployment pain”



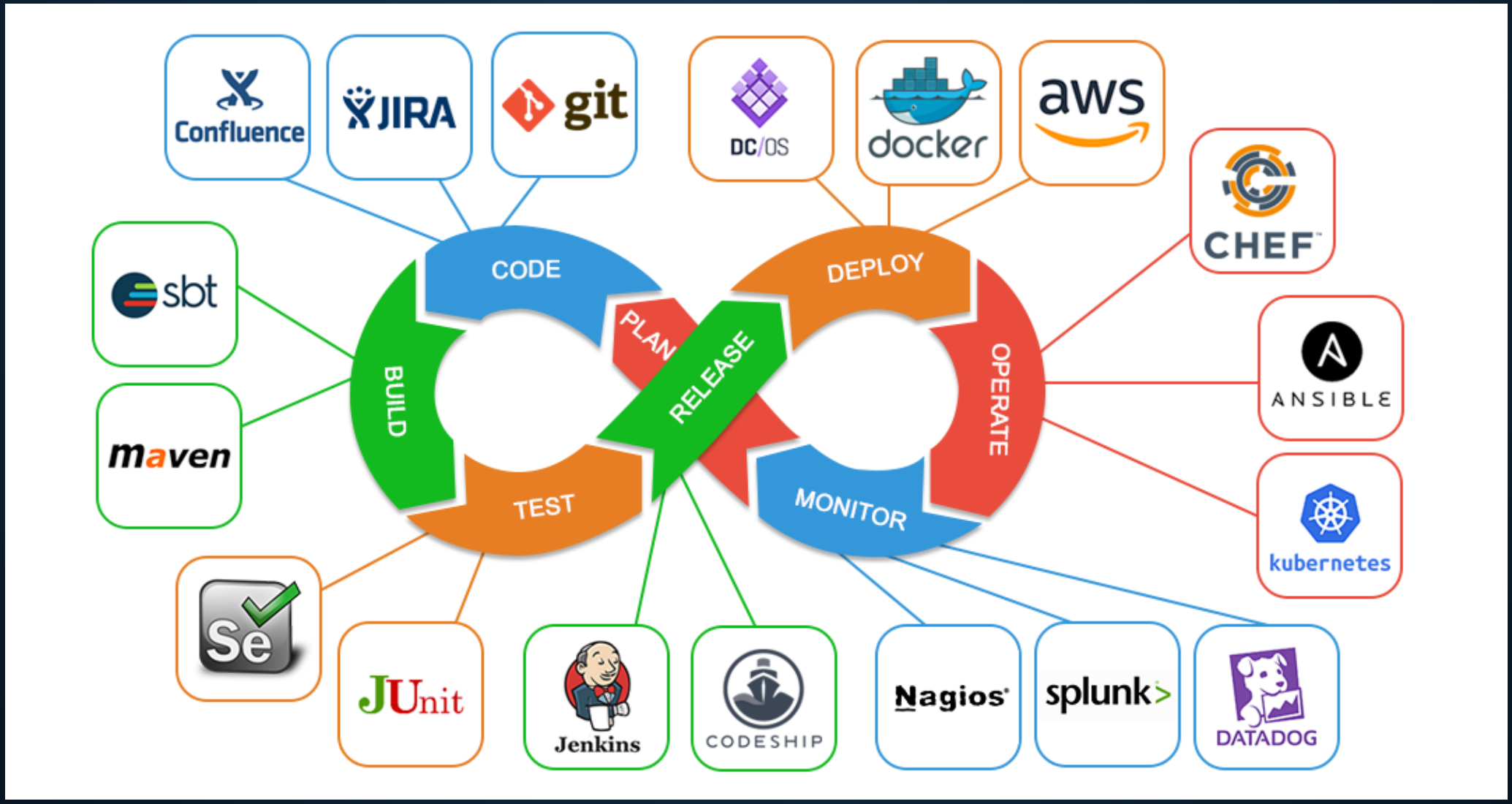
We need CD!

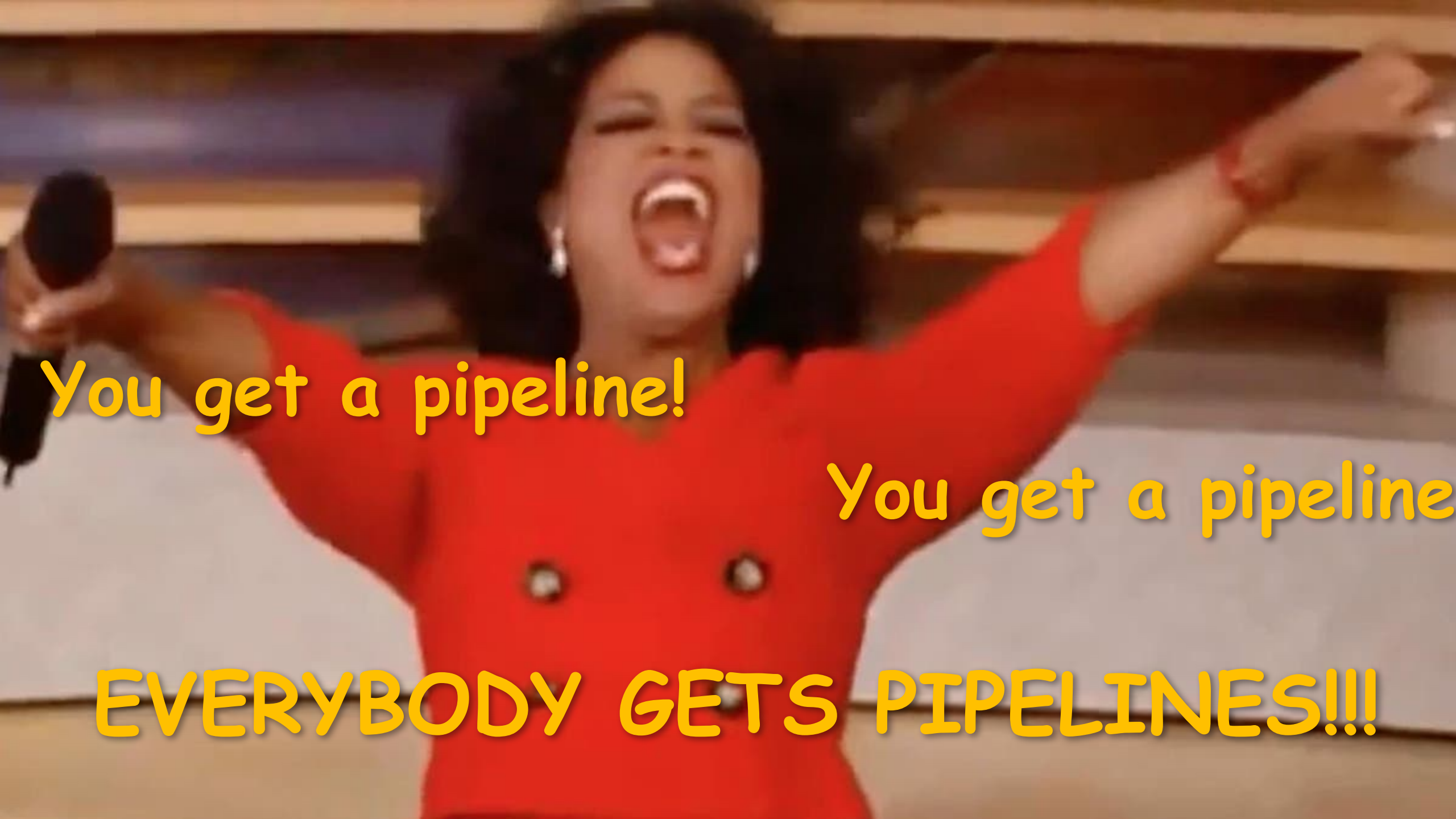
Do CD!

And the problems begin…

CREDIT CARD CONTINUOUS DELIVERY

BUY ALL THE TOOLS




You get a pipeline!
You get a pipeline
EVERYBODY GETS PIPELINES!!!

RESULTS: BLAME

"CD won't work here!"

"CD is too risky!"

"You aren't mature enough!"

”CD MEANS WE DELIVER ON-DEMAND…

…SO WE DELIVER ON DEMAND ONCE PER MONTH”

“Our customers don’t want changes more frequently.”

RESULTS: AUTOMATED STAGNATION

"We automated delivery. Why aren't we seeing the promised improvements?"

- Behaviors stayed the same
- Batch sizes stayed large
- Feedback remained slow
- Quality process did not improve
- Communication did not improve

DOCKSIDE BAR, OCT 2021

Two options:

1. Gripe about it
2. Help fix it

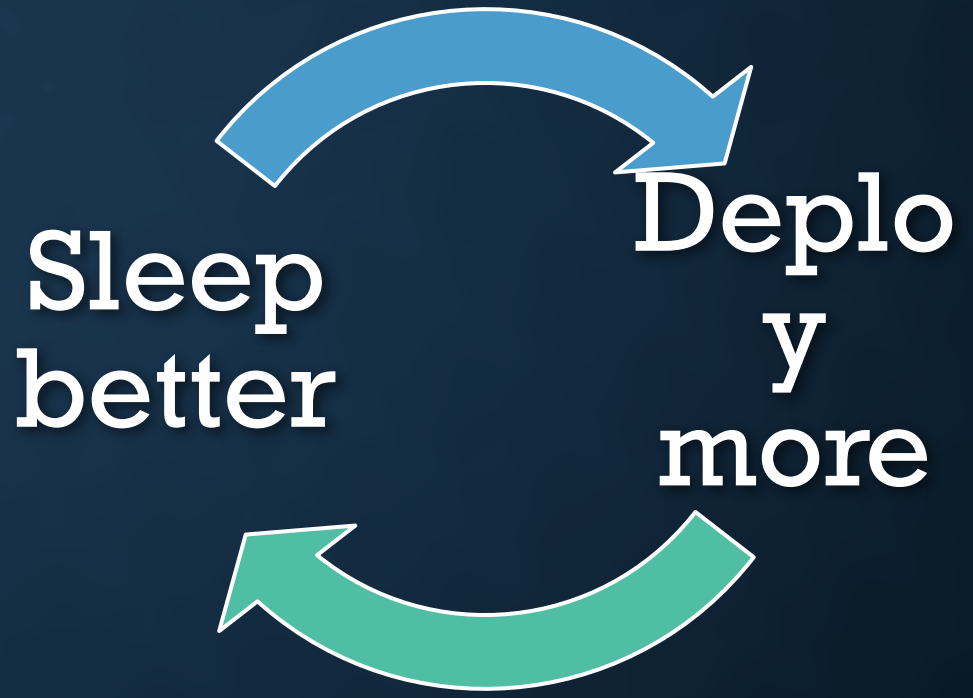
We chose #2

OUR GOAL

- ✓ Minimum set of measurable behaviors
- ✓ True in every context
- ✓ Enabling constraints that reduce pain and improve outcomes

WHY DO WE CARE?

Everywhere should be an awesome place to work!



3 DAYS LATER…

MinimumCD.org Github

Type to search...

- Minimum Viable CD
- Beyond the Minimums
- Recommended Practices
- Experience Reports
- Frequent Questions
- Translations

Minimum Viable CD

└ Signatories

Jump to Section

> "Continuous delivery improves both delivery performance and quality, and also helps improve culture and reduce burnout and deployment pain."
>
> – Accelerate: The Science of Lean Software and DevOps: Building and Scaling High Performing Technology Organizations

We, the undersigned, believe that a minimal definition of continuous delivery (CD) is required to improve the flow of delivery and achieve the outcomes above. While our contexts may be different, there are universal practices common in all. By defining them we can:

- Introduce new practitioners in a consistent way
- Discuss engineering practices that comprise CD
- Help each other improve current capabilities

Only by implementing core practices do we begin to see the benefits of continuous delivery.

TODAY…

Starred 133

Contributors

(39)

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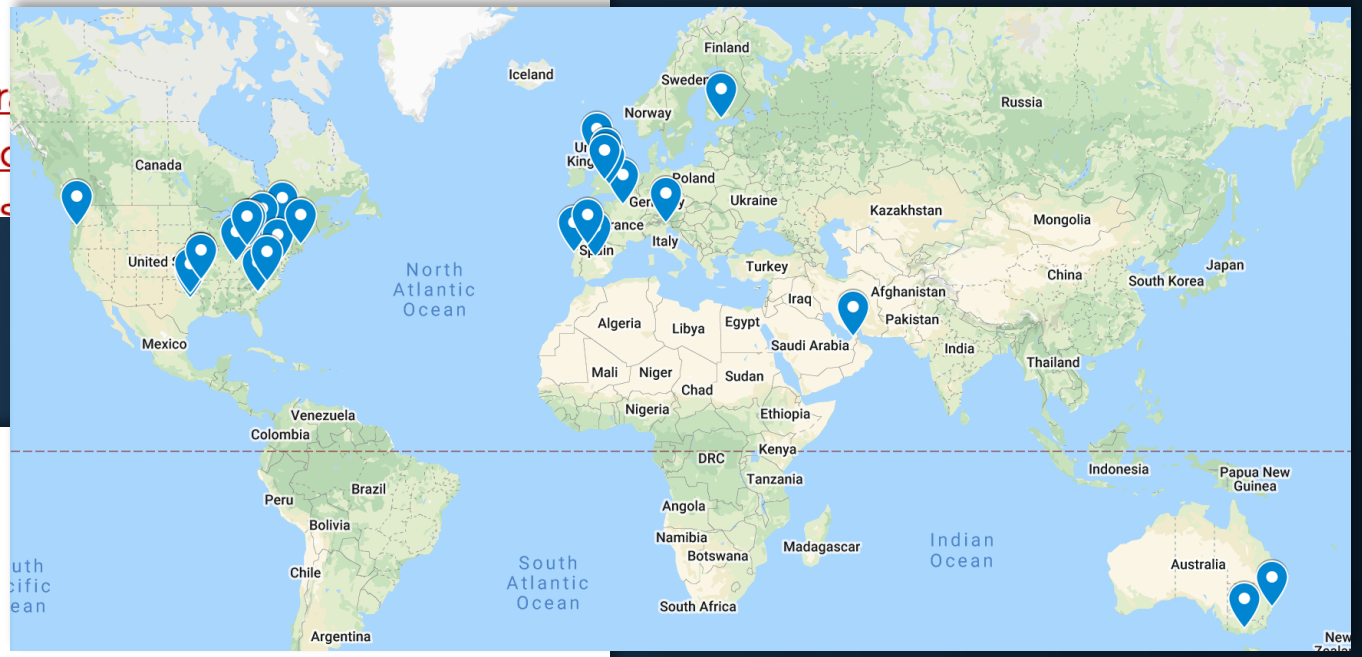

Signatories

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CONSTRAINTS THAT DRIVE IMPROVEMENT

- Use Continuous integration
- The application pipeline is the only way to deploy to any environment.
- The pipeline decides the releasability of changes, its verdict is definitive
- Artifacts created by the pipeline always meet the organization's definition of deployable
- Immutable artifact. No human changes after commit.
- All feature work stops when the pipeline is red
- Production-like test environment
- Rollback on-demand
- Application configuration deploys with artifact

CONTINUOUS INTEGRATION

✓Tested changes integrate into the trunk ***at least*** daily

✓Changes are, to the best of our knowledge, deliverable

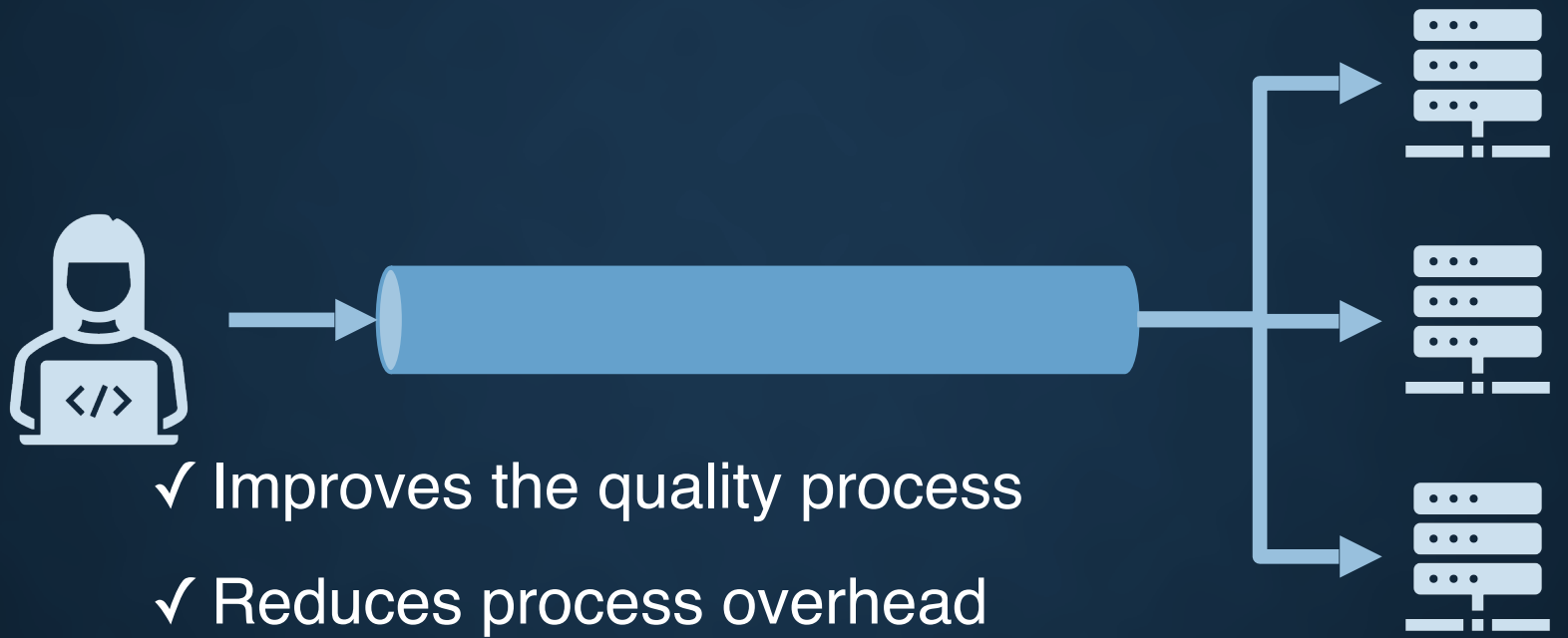
✓Fixing a broken build is the highest priority

"Why can't we do this?"

CI UNCOVERS COMMON PROBLEMS WITH…

- Communication
- Work decomposition
- Evolutionary development
- Testing
- Teamwork

ONE PATH TO ANY ENVIRONMENT



- ✓ Improves the quality process
- ✓ Reduces process overhead
- ✓ Reduces handoffs
- ✓ Ensures we can safely resolve incidents

Test the process, not just the code

REMOVE DRAMA FROM DELIVERY

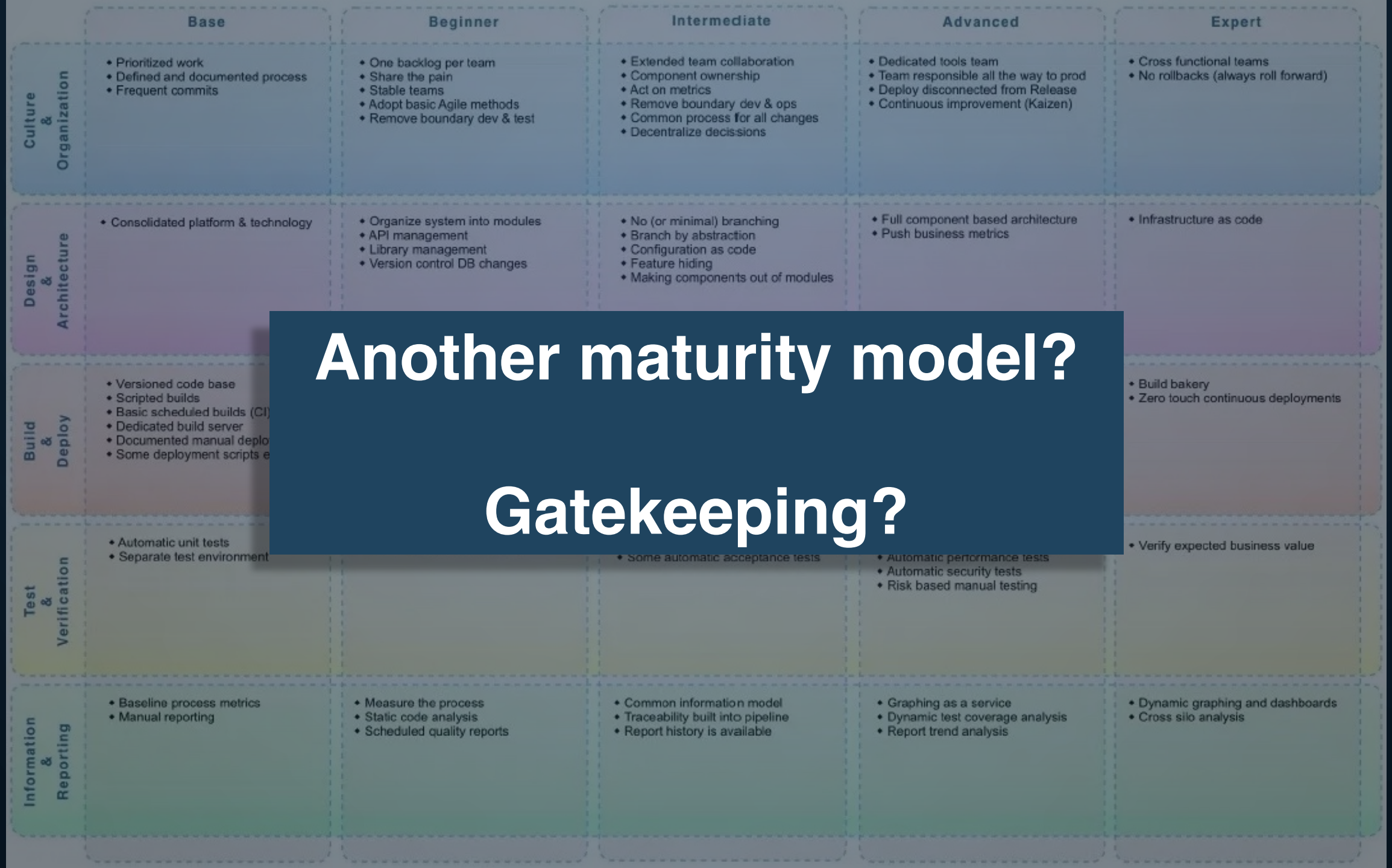
The secret of CD:

It’s always an emergency

THE PIPELINE DECIDES “RELEASABLE”

✓ Requires that we objectively define “releasable” and automate it.

- Functional
- Performant
- Secure
- Compliant
- Etc.



Another maturity model?

Gatekeeping?

No
An improvement journey

Measurable objectives that uncover systemic problems

WHERE TO START?

“Why can’t we deliver today’s changes today?”

ROADMAP

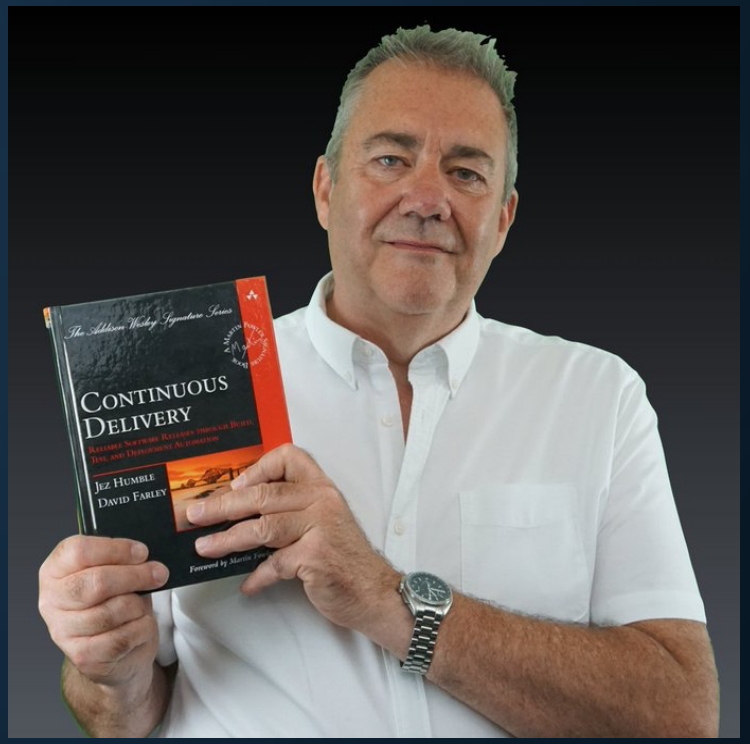
- ✓Define “releasable” in your context
- ✓Fall passionately in love with testing
- ✓Start with continuous integration
- ✓Start automating manual validation of “releasable”
- ✓Improve team structure to remove handoffs
- ✓Relentlessly improve

“

It's a clear, focused, no-holds-barred statement of what it takes to achieve CD.

If you can do what Minimum CD says, you will be doing a better job. It gives us a clear, simple focus on the essentials of CD that can help teams to understand what really matters to build better software faster.

”



Dave Farley, Author: Continuous Delivery

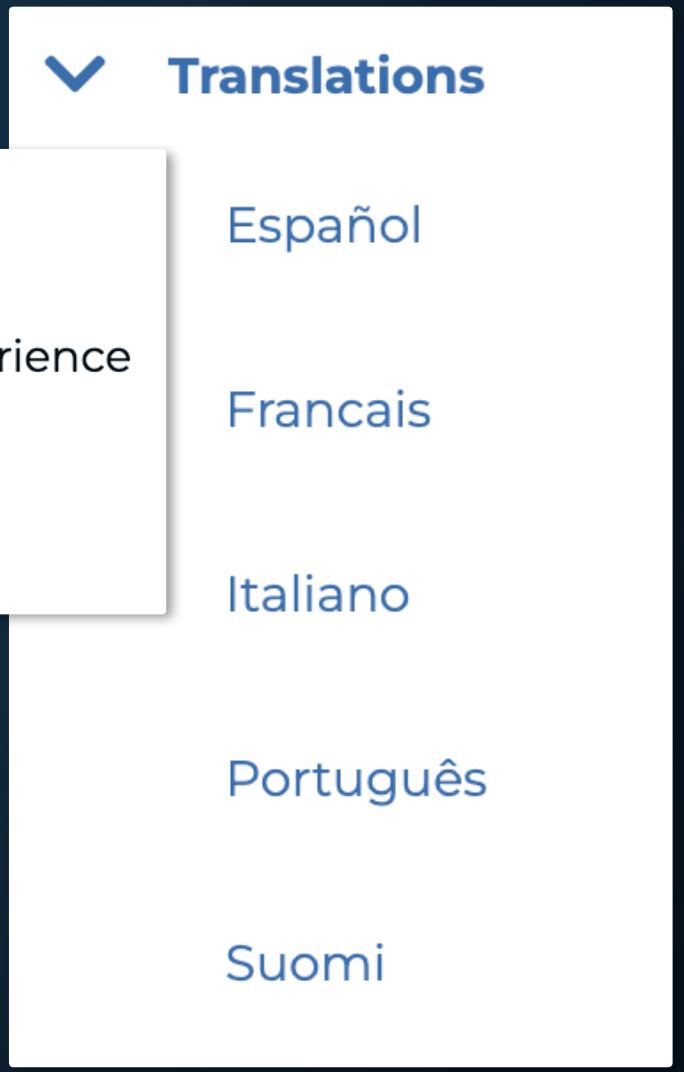
WHAT HELP DO WE NEED?

Contributing

Do you want to submit translations, good practices, suggestions, or an experience report?

Read our contribution guidelines -.

- Translations
- Good practices “Beyond the Minimums”
- Experience reports
- Spreading the word



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