SKILUP SM DAYS

by: DevOps INSTITUTE

Four Steps to Ensure Software Delivery Success in Today's Environment

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Today's Speakers

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Stress Test for Software Delivery?

Forbes

What Does Covid-19 Mean For The Future Of Work?

There has been a lot of discussion around the impact technology and AI will have for the future of work, and yet, ever since Covid-19 swept the ...

1 week ago

TechBeacon (blog)

Virtual software development teams: 4 challenges to overcome

The current public health crisis with COVID-19 has sent millions of ... Plus: Get the report "Agile and DevOps Reduces Volume, Cost, and ...

1 day ago

DevOps.com

How to Reduce Engineer Burnout During COVID-19

An agile workflow can be a great way to do this. By incrementally releasing features and achieving milestones, the team can avoid an endless ...

8 hours ago

CIO UNITED STATES DIGITAL MAGAZINE EVENTS AWARDS IDG TECH(TALK) COMMUNITY RESOURCE LIBRARY NEWSLETTERS

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INSIDER FEATURE

CIOs reshape IT priorities in wake of COVID-19

Surfacing from crisis mode, CIOs find themselves redefining IT priorities, thanks to budgets in flux, a rising need to refine business processes, and new outlooks on the future of work.

By Stacy Collett

Contributing Writer, CIO | MAY 18, 2020 3:00 AM PDT

COMPUTERWORLD UNITED STATES IDG TECH(TALK) COMMUNITY WINDOWS MOBILE OFFICE SOFTWARE APPLE SHARK TANK EVENT

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INSIDER PRO FEATURE

Coronavirus: Managing (and pivoting) during a crisis

Updated: If you weren't entirely prepared for COVID-19, you're not alone. Ensuring business continuity in crisis management mode requires the right mix of technology, patience and agility. This collection of Insider Pro articles may help.

By Insider Pro staff

| MAY 15, 2020 6:29 AM PDT

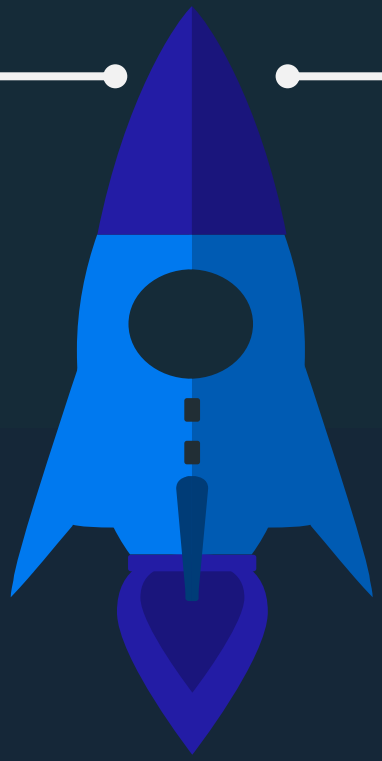
The Need for Speed: No Turning Back

Redeploying Talent

A global telco redeployed 1,000 store employees to inside sales and retrained them in three weeks

Launching new business models

A US-based retailer launched curbside delivery in two days versus the previously-planned 18 months.



Improving productivity

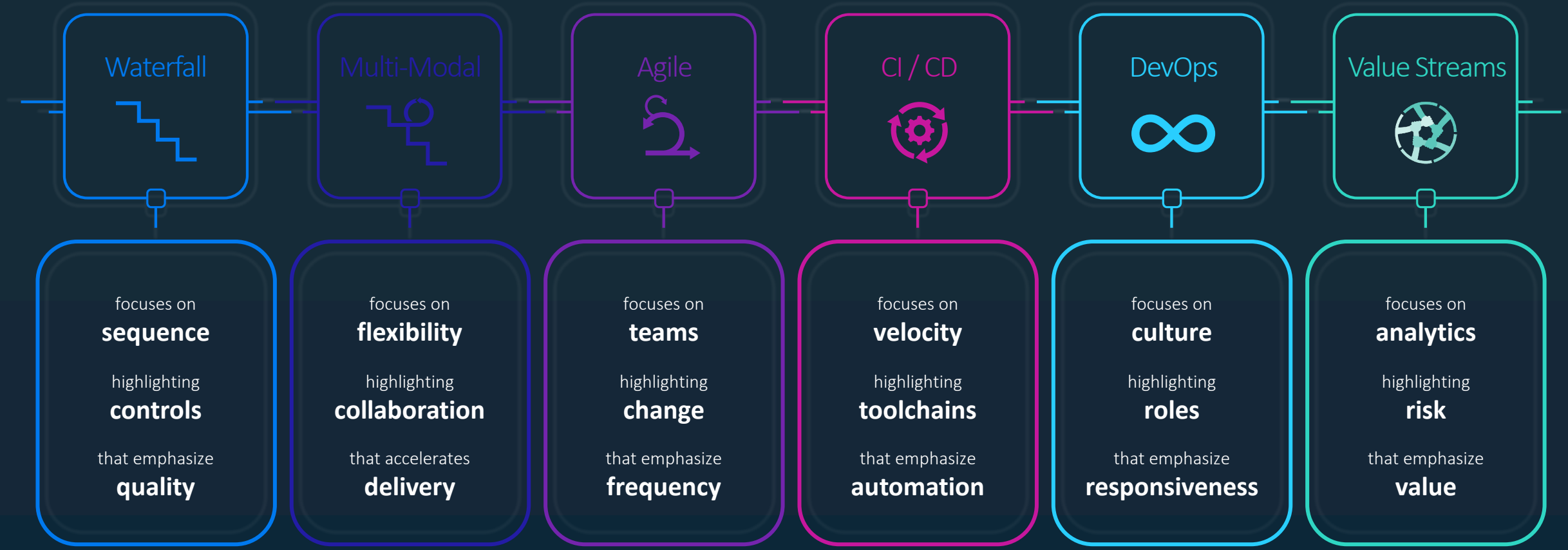
An industrial factory runs at 90-percent-plus capacity with 40 percent of the workforce.

Developing new products

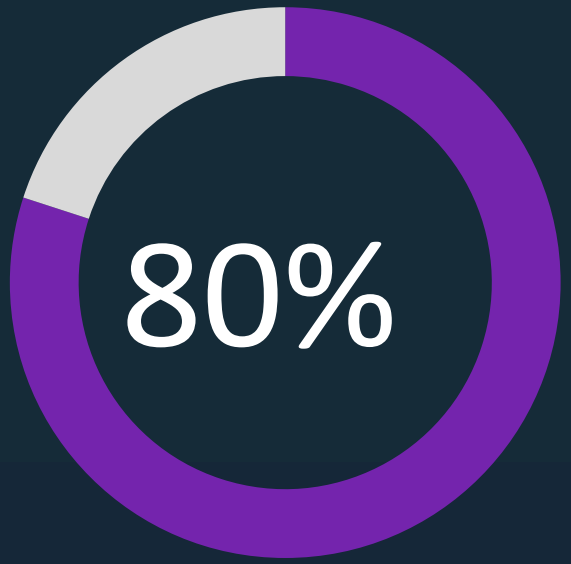
Developing new products. An engineering company designed and manufactured ventilators within a week.

Ready, set, go: Reinventing the organization for speed in the post-COVID-19 era, Mckinsey

Accelerate and transform to meet business demands

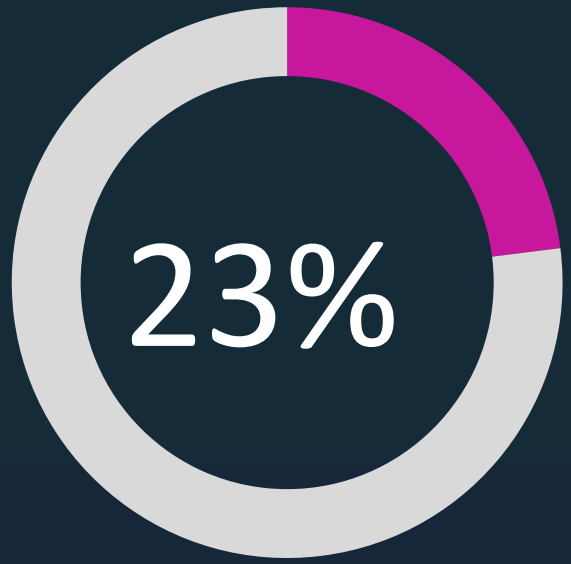


Are Agile and DevOps Efforts Delivering Value?



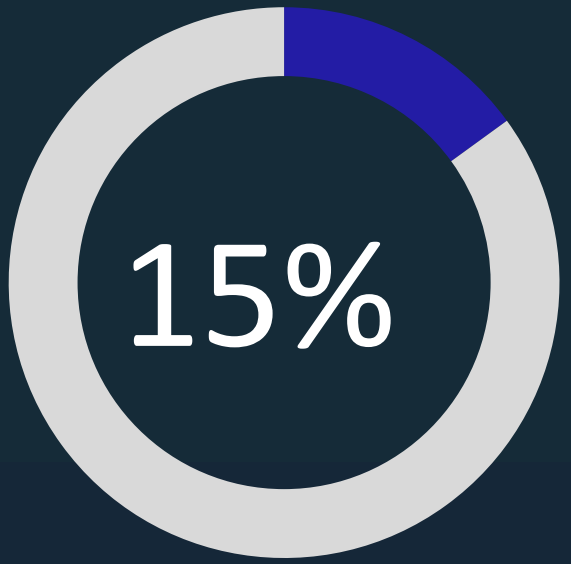
adoption

majority of enterprises have adopted Agile and DevOps



scale

only a quarter have scaled DevOps across the enterprise



value

most enterprise are not getting the value expected

Creating new challenges for organizations

No Alignment

Unable to Meet Strategic Goals

Lack of Visibility

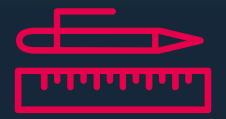
Can’t Track Progress and Costs

Slow Velocity

Bottlenecks constrain delivery

Lost Productivity

Inability to Automate Effectively



Failure to Measure

Difficult to Know What Good Looks Like

Four Steps

To ensure software delivery success

Collaboration

Elevate visibility to create insight and better decision making

01

Alignment

Be willing to change the system of work

02

Toolchain

Develop a seamless integration bridge between the old and the new

03

Streamline

Remove the most important limiting factor that stands in the way of achieving the goal

04

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Collaboration

A company could put a top man at every position and be swallowed by a competitor with people only half as good, but who are working together.

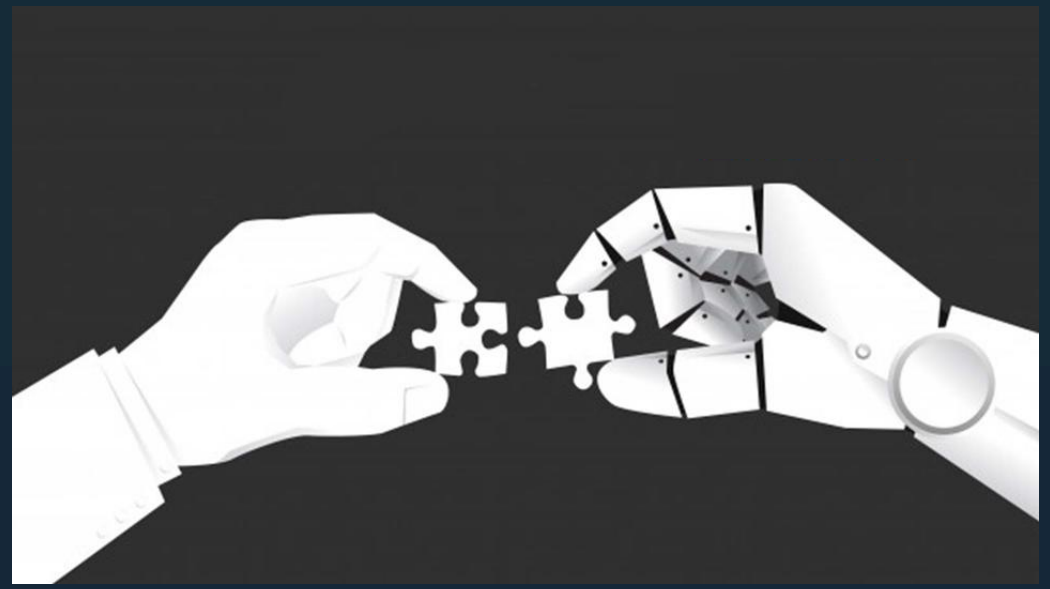
W. Edwards Deming

Collaboration

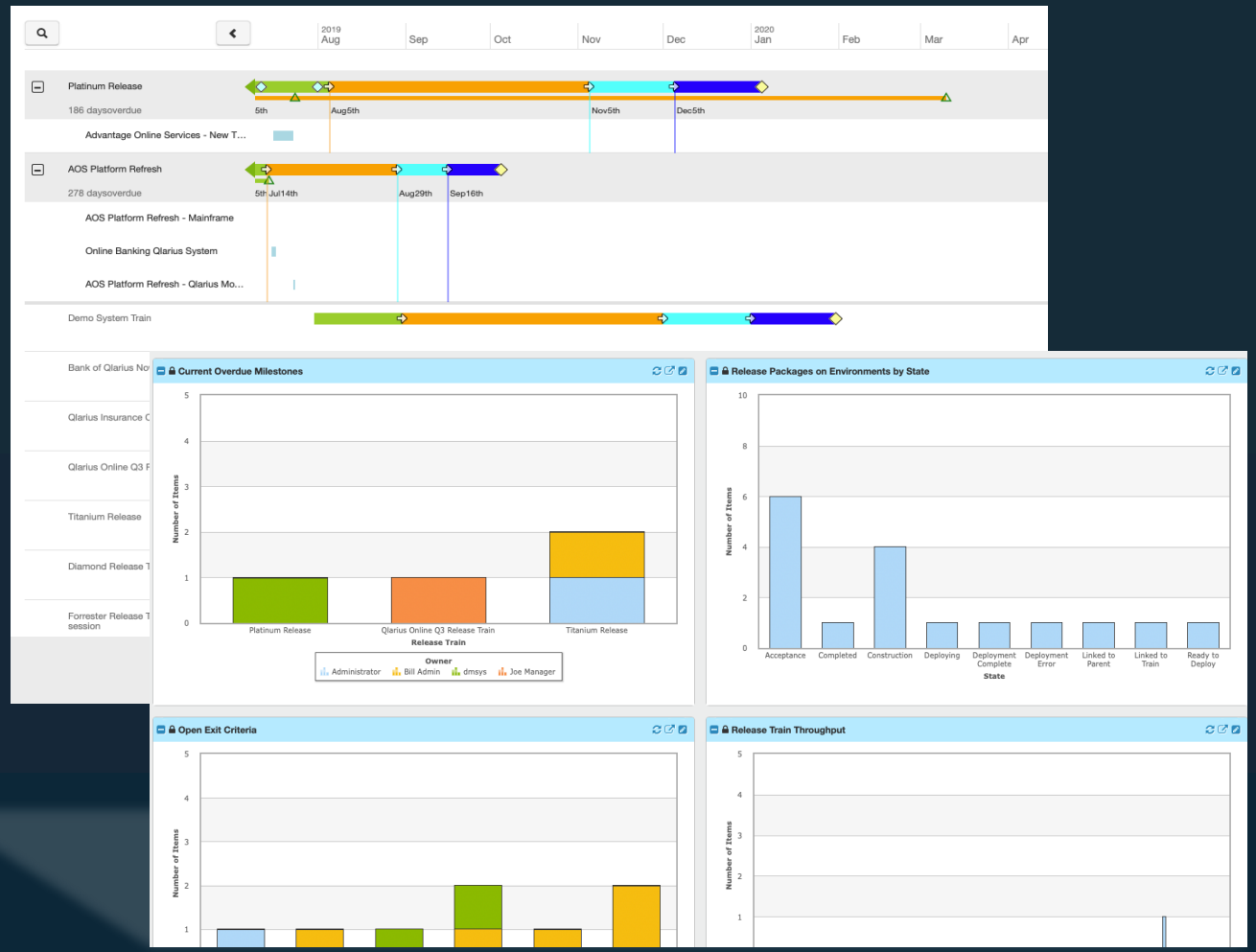
Aligning to corporate goals and providing visibility across all areas of an organization is key

Increased collaboration drives performance, predictability and consistency

Improved visibility ensures process, cultural and technology improvements are adding real value to an enterprise



Collaboration



Collaboration requires:

Visibility -> Insight -> Decision making in real time

Actionable insight requires integration and orchestration of multiple tools and technologies

Simplifying process handovers Agile <> ITIL is critical to success

Alignment

A bad system will beat a good person every time.

W. Edwards Deming

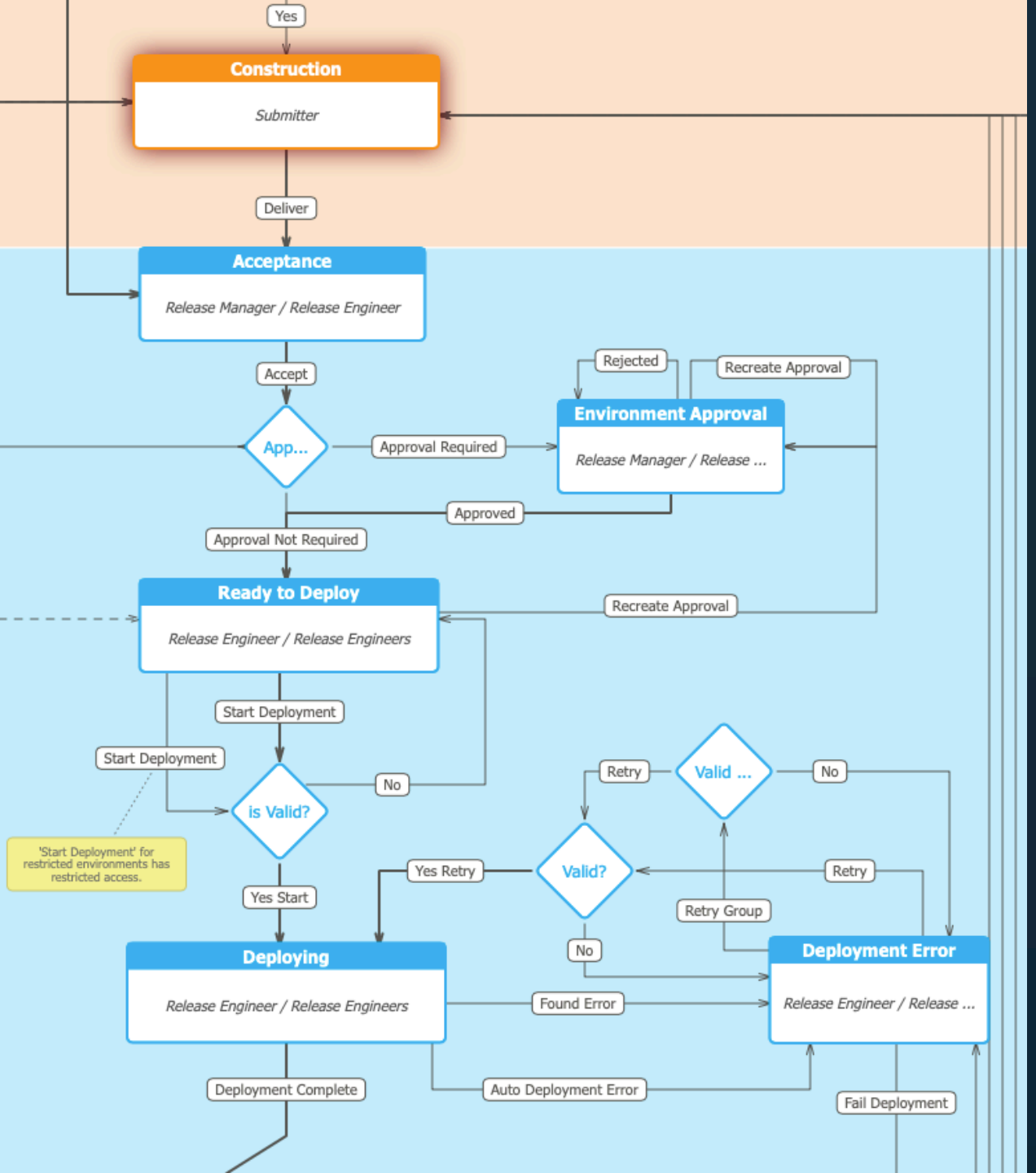
Alignment

All Change is inherently risky.

Align customer demands with organizational goals to deliver the most appropriate changes first.

Implement repeatable process that orchestrate how teams and tools work together

Drive IT value via cultural change



Alignment

A single system of orchestration and collaboration allows users to gain real time insight into the software delivery lifecycle

Aligned workflows across multiple tools and technologies allows the flow of data between teams and silos

Governance and control applied via process ensures audit compliance

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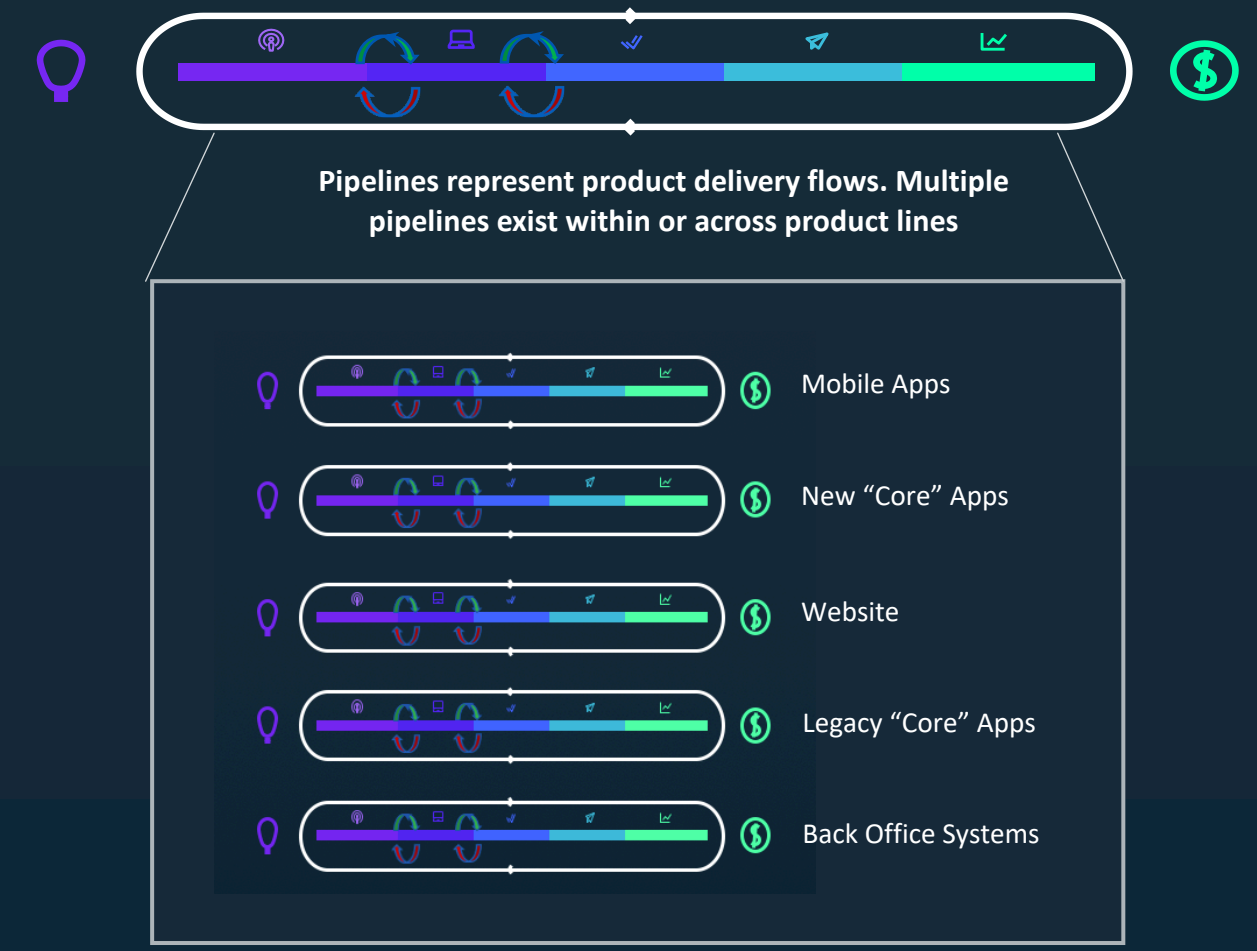
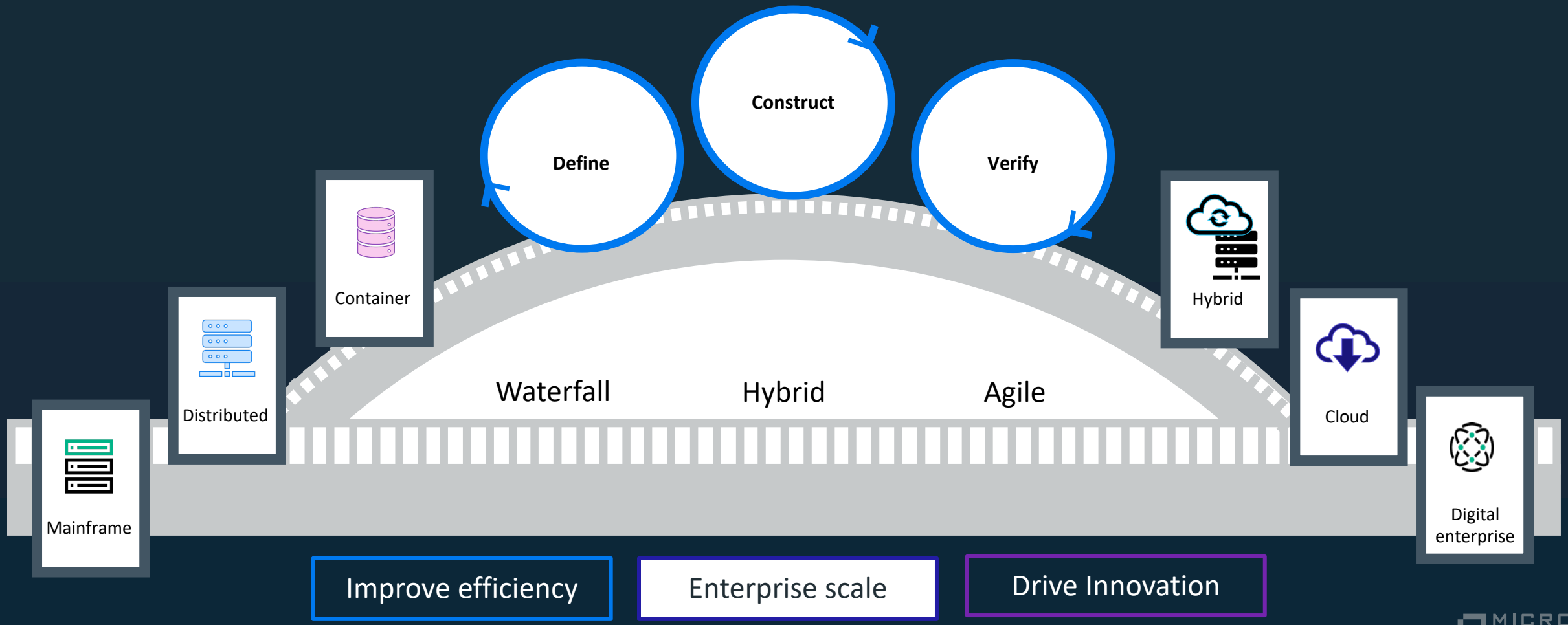
Toolchains

The Gartner 2019 DevOps Survey findings reveal that ***72%*** of respondents use between ***five and 35*** toolchains for their DevOps efforts. Seven percent of respondents' report between ***51 and 100*** toolchains.

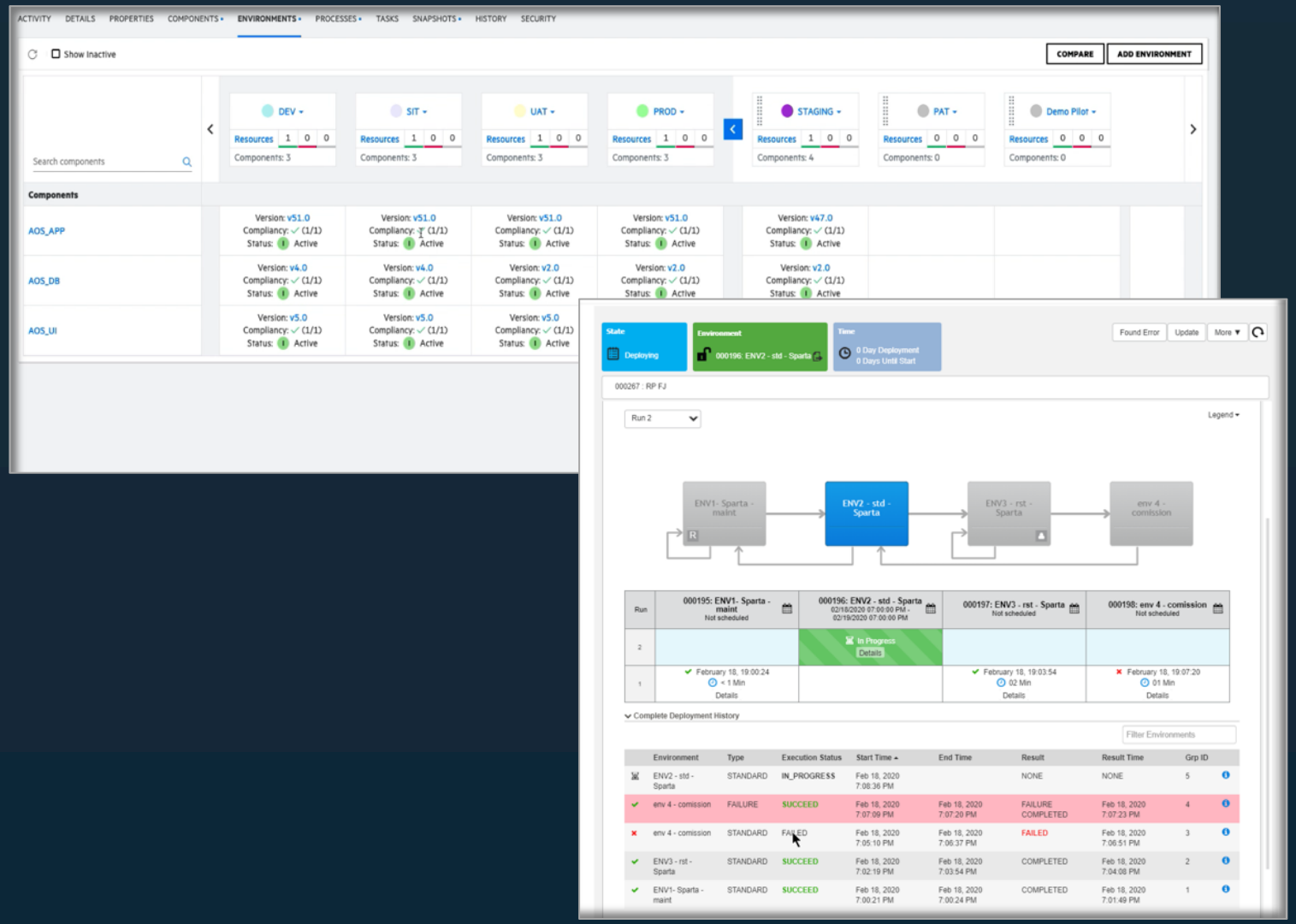


Toolchains

Deliver seamless integration to bridge the old and the new for people, process and technology



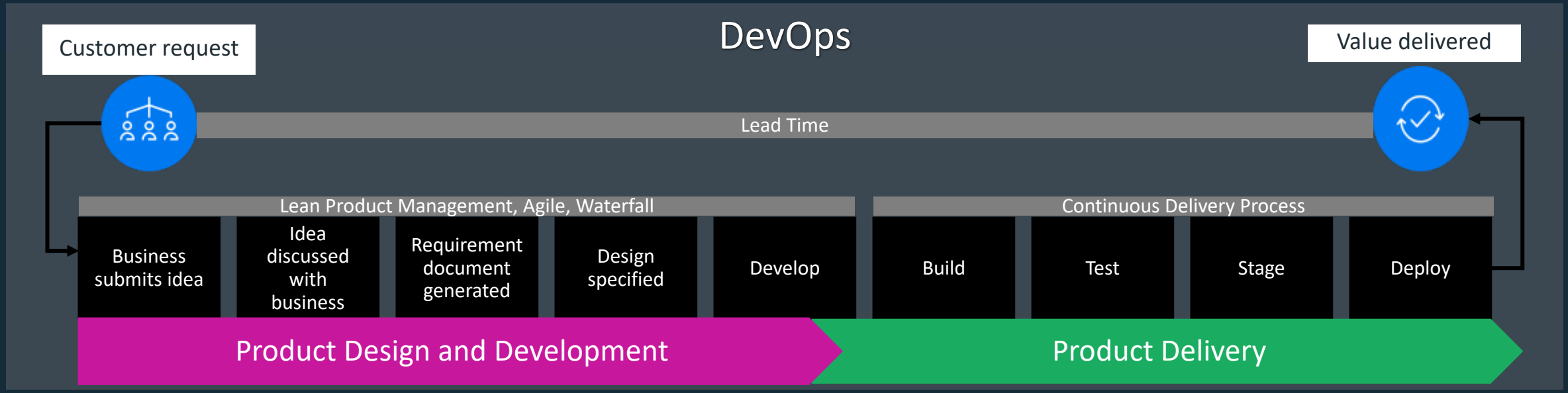
Toolchains – how we do it



Well defined pipelines and deployment paths allow alignment, collaboration and simplification of end to end product delivery.

Integration to existing or new toolchains allows reuse of current technology and practices where appropriate

Streamline



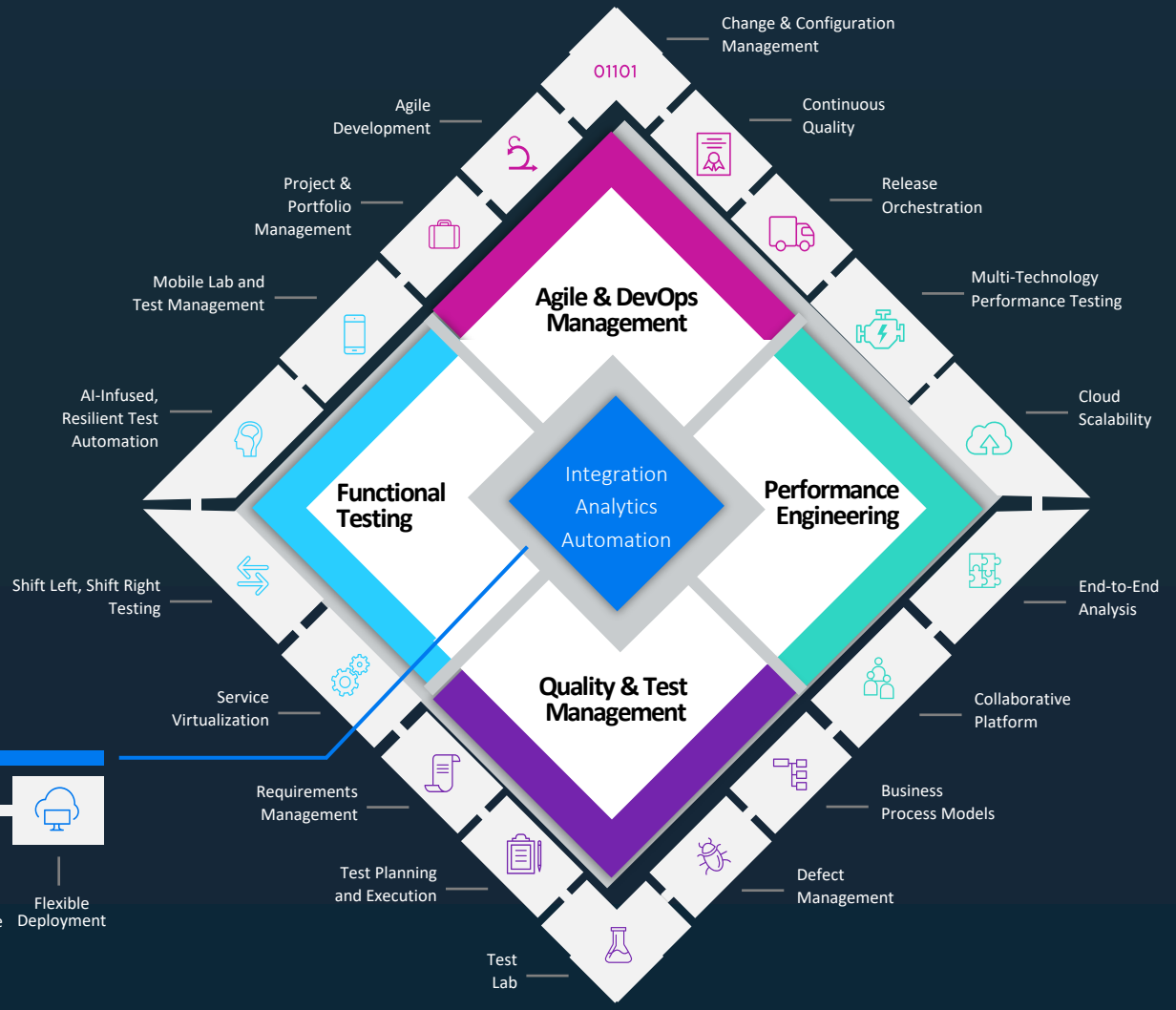
"If you can't describe what you are doing as a value stream, you don't know what you're doing."

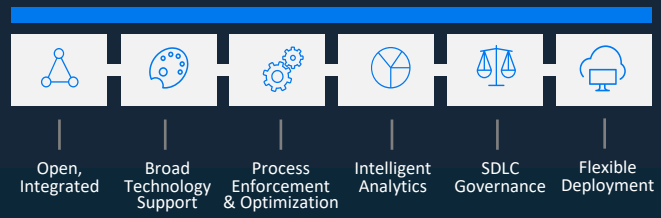
Karen Martin and Mike Osterling,

Value Stream Mapping

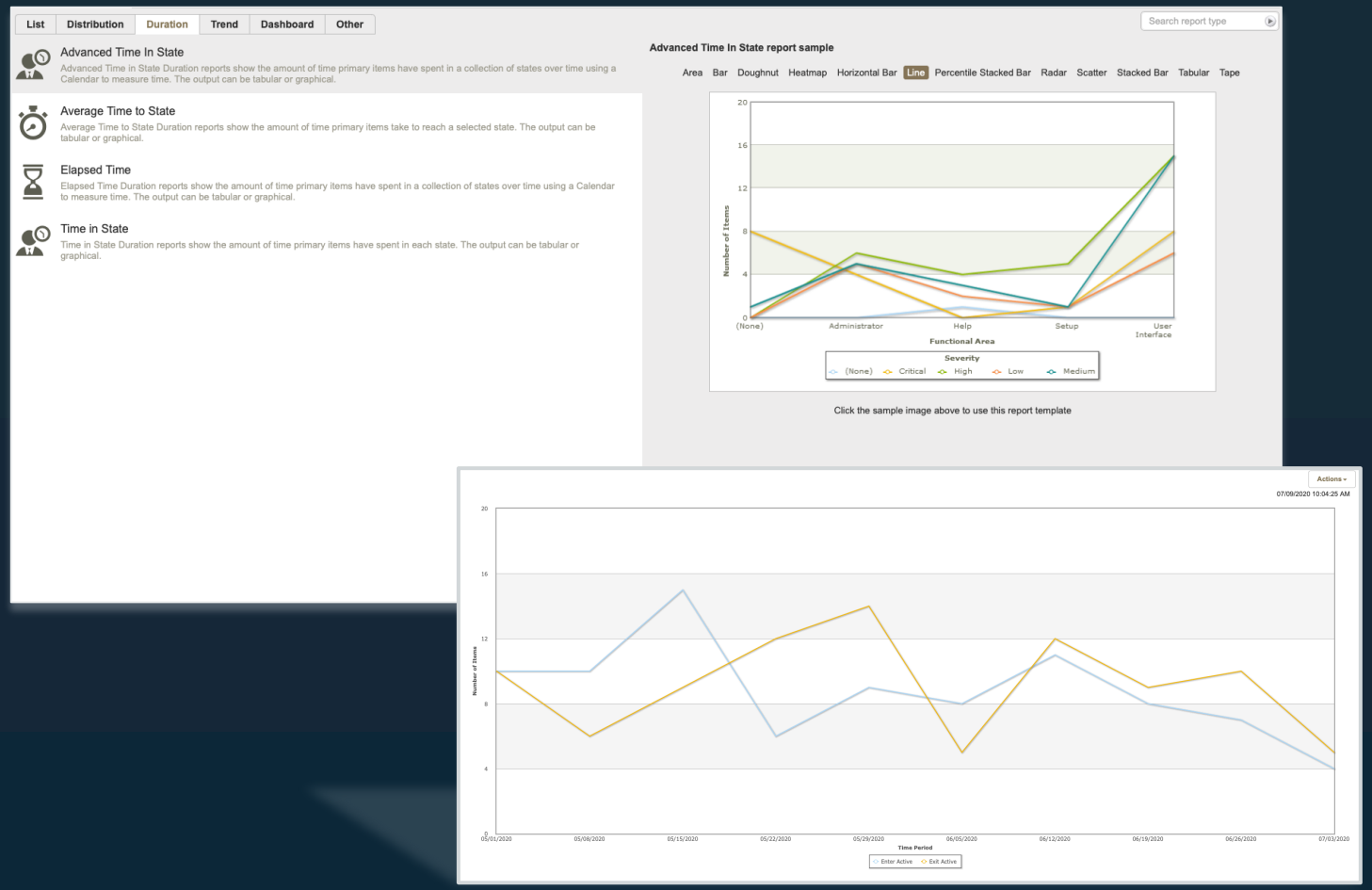
Streamline

Remove the most important limiting factor that stands in the way of achieving the goal, no matter where in the lifecycle it exists





Streamline – how we do it



Identify problem areas of your digital value stream flow by tracking key metrics:

Time in state

Time through state

Time to resolution

Wait time

The Four Steps - Summary

C

Collaborate:

First you need visibility to gain insight to make decisions

Secondly you need to understand the current state of your entire lifecycle

Finally you need a identify system that will allow orchestrated control across all aspects of your system

A

Alignment:

First you need to align all collaborators and technology with the organizational goal

Secondly you need to align process and technical implementation

Finally you need to align all aspects of your system against your goals

T

Toolchain:

First you need to identify all of your toolchains and the value they add

Secondly look at current and future state requirements to ensure they align

Finally you need a system that will orchestrate, ensure collaboration and alignment across your toolchains

S

Streamline:

First you need to identify the end to end flow of your product delivery

Secondly apply lean and value stream mapping practices to identify and eliminate waste where possible

Finally repeat the process using to continuously improve your processes

THANK YOU!

Meet me in the Network
Chat Lounge for questions

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BACKUP / WORKING MATERIAL

The Four Steps

- Collaboration
  - First you need visibility to gain insight to make decisions
  - CTA –
- Alignment
  - Organizational / cultural / process / technical
- Toolchain???
  - Integration, how they play nice together, orchestration..etc
- Streamline
  - Once in place, remove constraints/streamline..etc

Collaboration

- Collaboration
  - First you need visibility to gain insight to make decisions
  - CTA –
- Visibility -> Insight -> Decision making in real time
  - Show “Current State”, Show ”REAL” current state.
- Timing is everything
- Current state is key

Alignment

- Organizational
- Cultural
- Process
- Technical
- What does it mean and how do you do it.
- Aligning ”The System”
- Aligning Collaboration/teams/etc with “Toolchain”/technology
- CTA -

Toolchains

- Integrated toolchains
- Modern, traditional, hybrid
- Up and down the stack
- Outside the enterprise
- CTA – You need to ”xxxxxxxxxxx” (orchestration message), dependencies, multiple pipelines..etc
- Update EDO pipelines slides