Making Agile Work

"In which area do you have the greatest need for change?"

19%	Test environments—simpler management and isolation
17%	Monitoring—better knowledge of where and why problems occur
14%	Changes in the environments—simpler/faster ordering
13%	Game rules—how we work together
12%	Robustness—higher availability
11%	Troubleshooting—faster and easier to find root causes
8%	Scalability—better performance when needed
5%	Security—better protection

Containers speeds up development considerably

Results from an internal questionnaire, Feb 2018
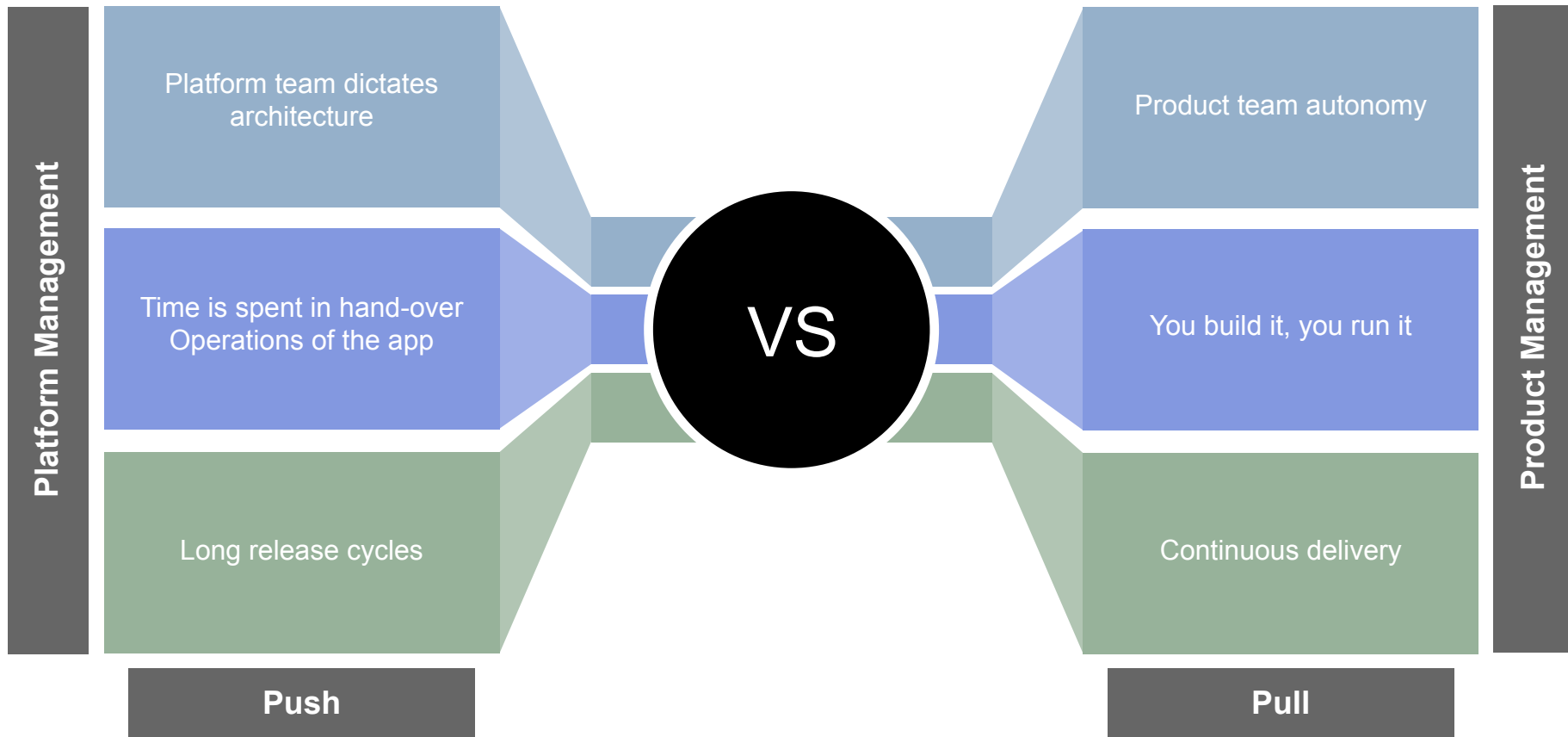
Platform Management

Platform team dictates architecture

Time is spent in hand-over
Operations of the app

Long release cycles

Push

VS

Product Management

Product team autonomy

You build it, you run it

Continuous delivery

Pull

monolith

micro service

Red Hat open hybrid cloud platform

Red Hat
Advanced Cluster Management
for Kubernetes

Red Hat
Advanced Cluster Security
for Kubernetes

Red Hat
Quay

Red Hat
OpenShift
Platform Plus

Multicluster management	Cluster security	Global registry
Observability | Discovery | Policy | Compliance | Configuration | Workloads	Declarative security | Container vulnerability management | Network segmentation | Threat detection and response	Image management | Security scanning | Geo-replication Mirroring | Image builds

Red Hat
OpenShift
Container Platform

Manage workloads	Build cloud-native apps	Data-driven insights	Developer productivity
Platforms services	**Application services**	**Data services**	**Developer services**
• Service mesh | Serverless • Builds | CI/CD pipelines • Log management • Cost management	• Languages and runtimes • API management • Integration • Messaging • Process automation	• Databases | Cache • Data ingest and prep • Data analytics | AI/ML • Data management & resilience	• Developer CLI | IDE • Plugins and extensions • CodeReady workspaces • CodeReady containers

Kubernetes cluster services
Install | Over-the-air updates | Networking | Ingress | Storage | Monitoring | Logging | Registry | Authorization | Containers | VMs | Operators | Helm charts

Kubernetes (orchestration)

Linux (container host operating system)

Red Hat
Enterprise Linux

Red Hat
Enterprise Linux
CoreOS

Physical*   Virtual   Private cloud   Public cloud   Edge

* Red Hat OpenShift® includes supported runtimes for popular languages/frameworks/databases. Additional capabilities listed are from the Red Hat Application and Data Services portfolio.

Agile

focuses on
processes

highlighting
change

while accelerating
delivery

CI/CD

focuses on
software-defined life cycles
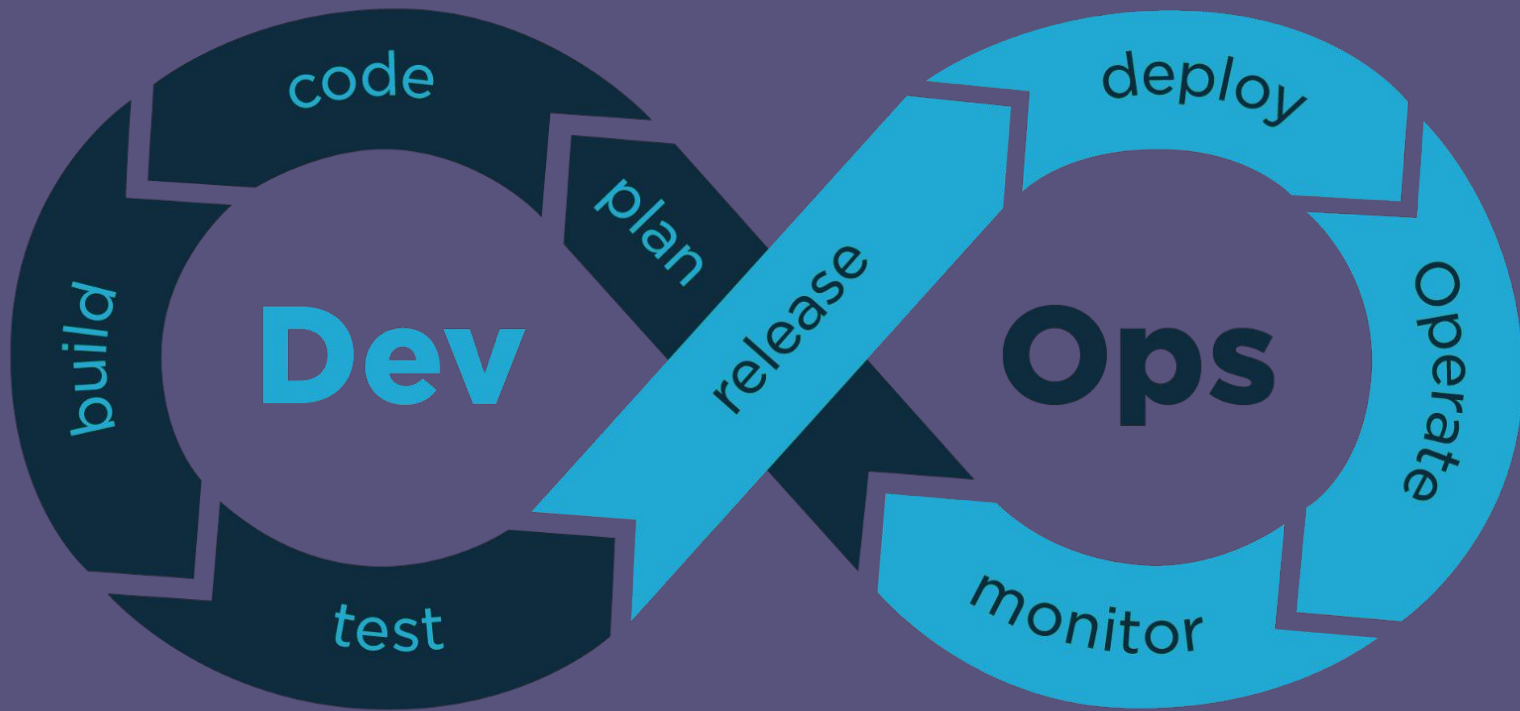
highlighting
tools

that emphasize
automation
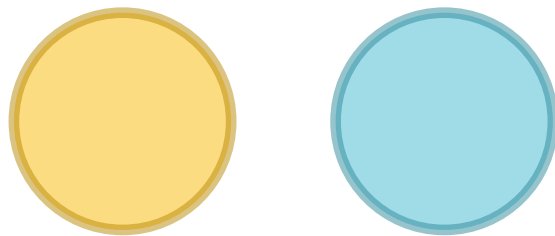
DevOps

focuses on
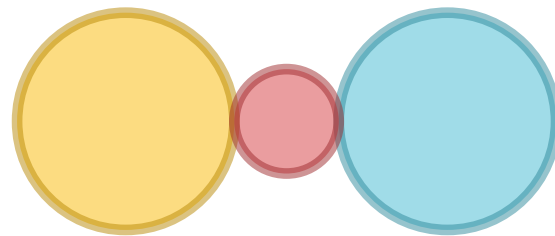**culture**

highlighting
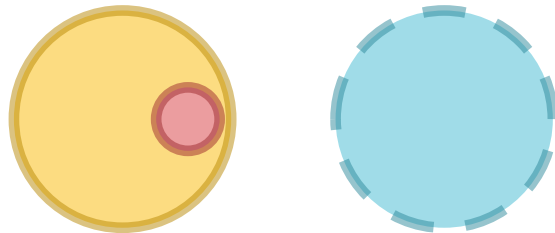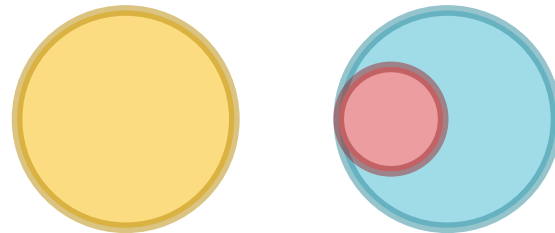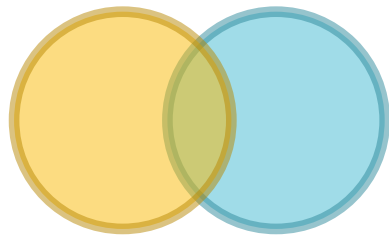**roles**

that emphasize
responsiveness

Counter patterns

Dev and Ops Silos

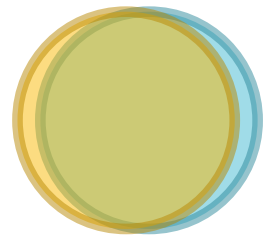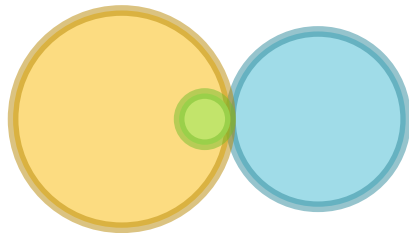DevOps Team Silo

Dev Don't Need Ops

Rebranded SysAdmin

DevOps Topologies

DevOps ✓

DevOps Topologies
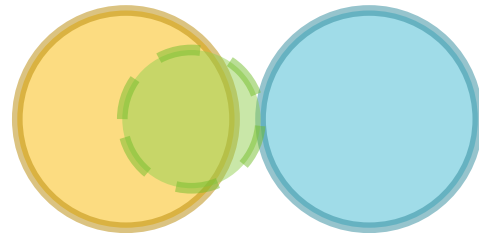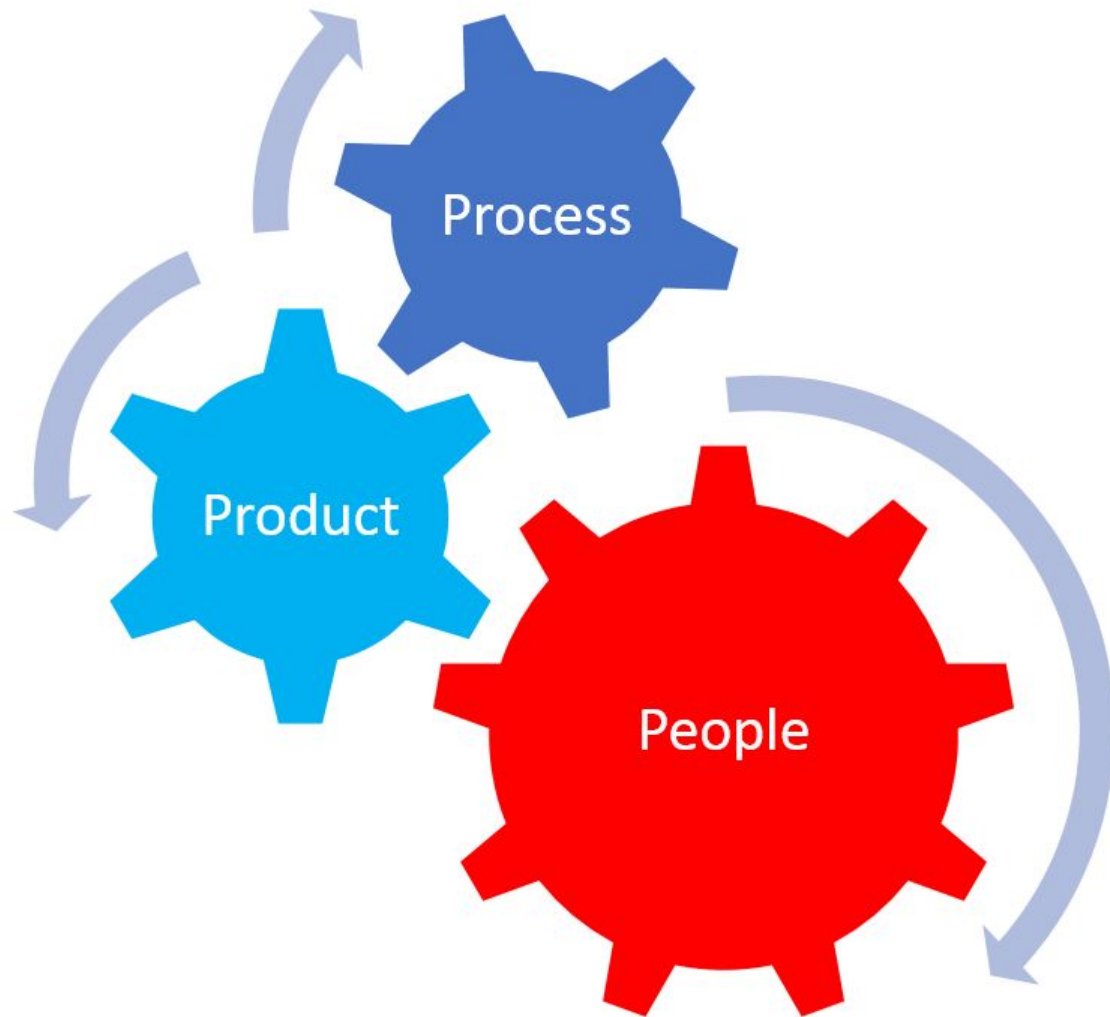
Dev and Ops Collaboration

Fully Shared Ops Responsibilities

Ops as Infrastructure-as-a-Service (Platform)

Container-Driven Collaboration

REACHING GOALS

DevOps solves many of the team's problems. And there's an inherent value of DevOps and CI/CD, which a container platform naturally entails

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MAKING AGILE WORK

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