

AT3

Scaling Agile Practices
Thursday, November 8th, 2018 10:00 AM

Scaling Agile in a Large Matrixed Organization

Presented by:

Jennifer Krieger

Red Hat

Brought to you by:



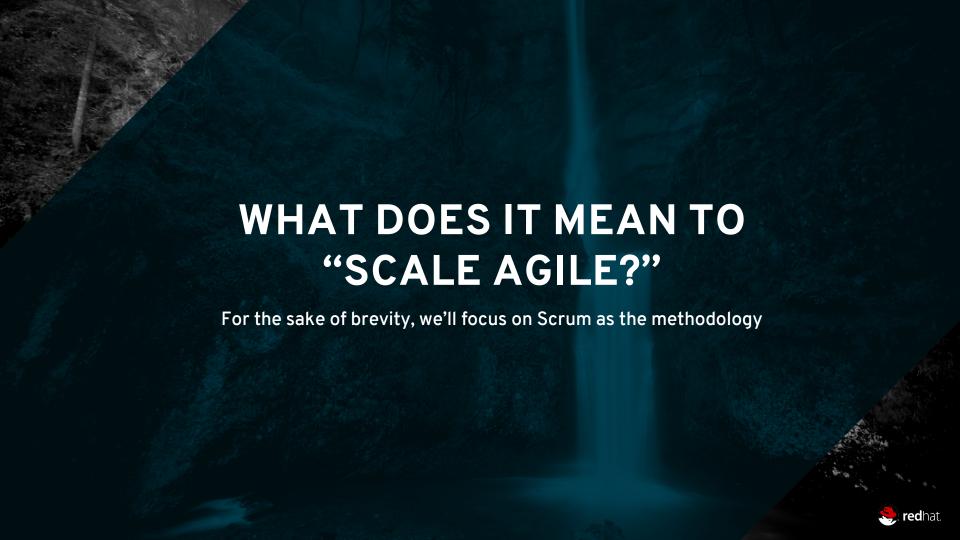
Jennifer Krieger

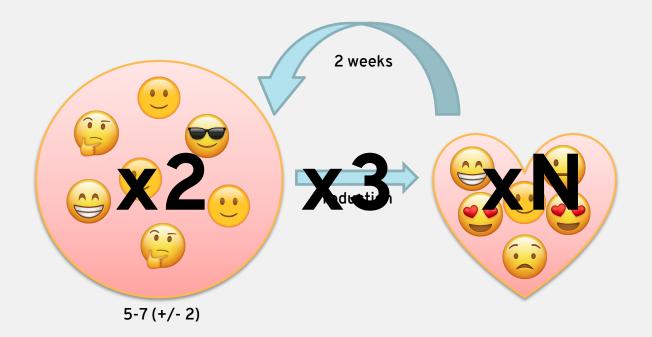
Keynote speaker and doer of many things, Jen Krieger is Chief Agile Architect at Red Hat. Most of her more than twenty-year career has been in software development, with Jen holding many roles throughout the waterfall and agile lifecycles. At Red Hat, she led a department-wide adoption of DevOps methodologies, focusing on CI/CD best practices. Most recently, she worked with the Project Atomic & OpenShift teams, the company's two leading products, to help establish strong working relationships while the organization scaled rapidly. Now, Jen is guiding teams across the entire company into agility in a way that respects and supports Red Hat's commitment to open source.



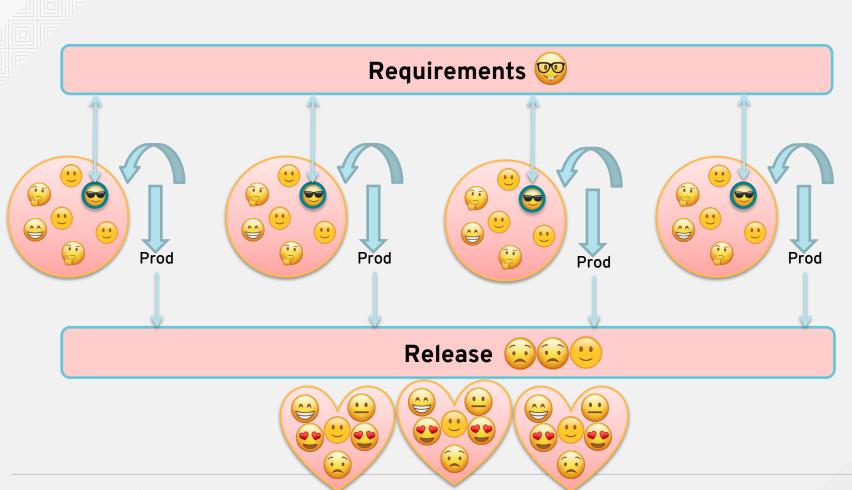
SCALING AGILE IN A LARGE MATRIXED ORGANIZATION

Jen Krieger Chief Agile Architect Products & Technologies

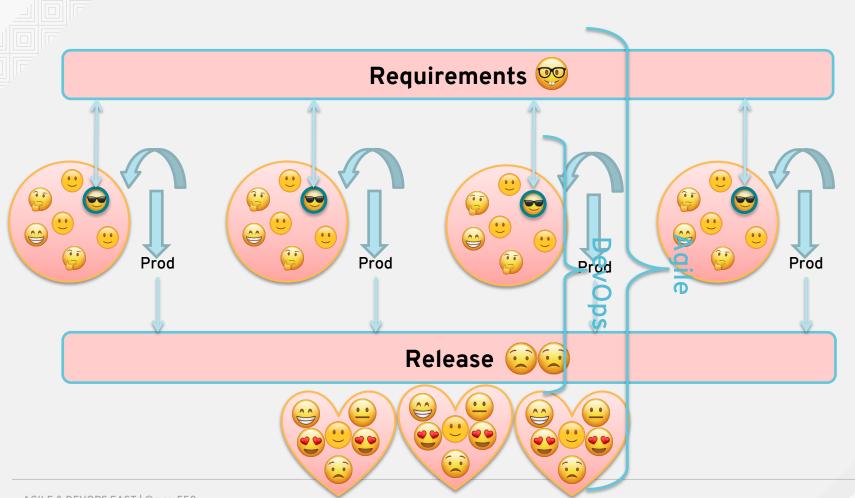






















EARLY TEAM CHARACTERISTICS – CIRCA '14



8 Hybrid Scrum Teams

2 Week Sprints

6 Week Releases

5 QE Engineers

1 Release Engineer

1 Architect

2 Agile Coaches

1 Product Manager



OPENSHIFT

5 Hybrid Scrum Teams

3 Week Sprints

~6 Month Releases

40 Engineers

12 QE Engineers

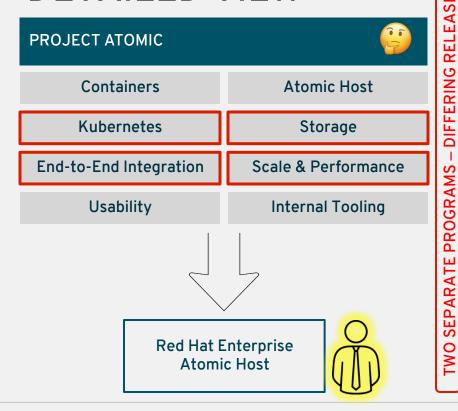
1 Release Engineer

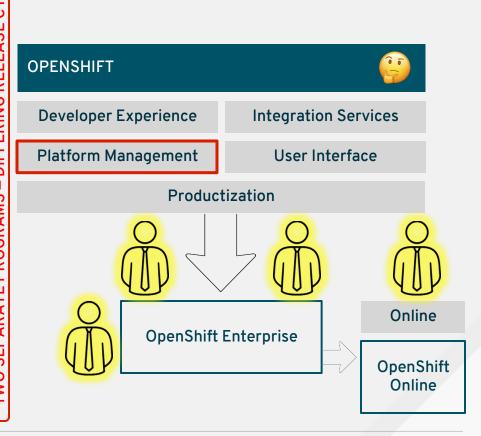
1 Architect

4 Product Managers



DETAILED VIEW







POST-MERGE TEAM STRUCTURE - CIRCA '15





Group 1
Building Blocks



Group 2
Origin



Group 3 Product

Cluster Infrastructure

Containers

Networking

Platform Infrastructure

Storage

Usability

Developer Experience

Integration Services

Platform Management

User Interface

Online

Productization

e2e Product Integration

Scale & Performance

Internal Tooling

Red Hat Enterprise Atomic Host

OpenShift Enterprise

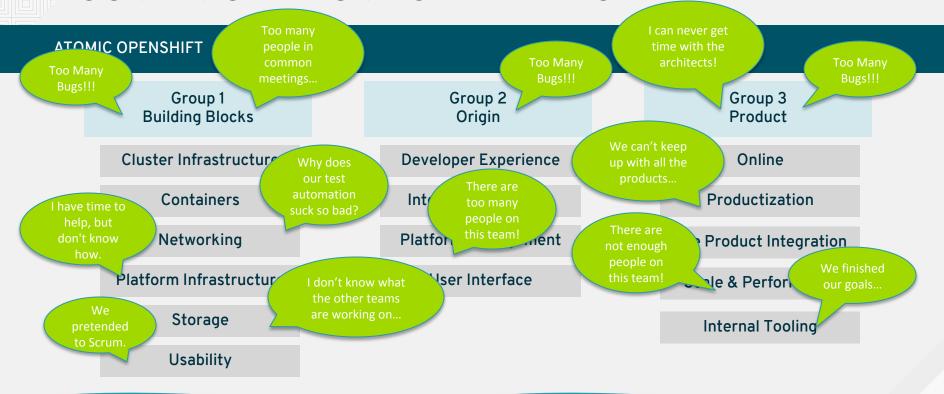
OpenShift Online

OpenShift Dedicated

redhat.



SOME MORE BUMPS IN THE ROAD



All this while working on 6 minor and 4 major releases across the product line.

AGILE & DEVOPS EAST | @mrry550

TEAM STRUCTURE - CIRCA '16

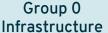
ATOMIC OPENSHIFT













Group 1 Kubernetes



Group 2
Origin



Group 3 Product



Container Core

Container Security

Continuous Infra

Platform Infra

Usability

Cluster Infra

Networking

Storage

Storage UXP

Developer Experience

Integration Services

Platform Management

User Interface

e2e Product Integration

Online

Productization

Scale & Performance

Red Hat Enterprise Atomic Host

OpenShift Enterprise

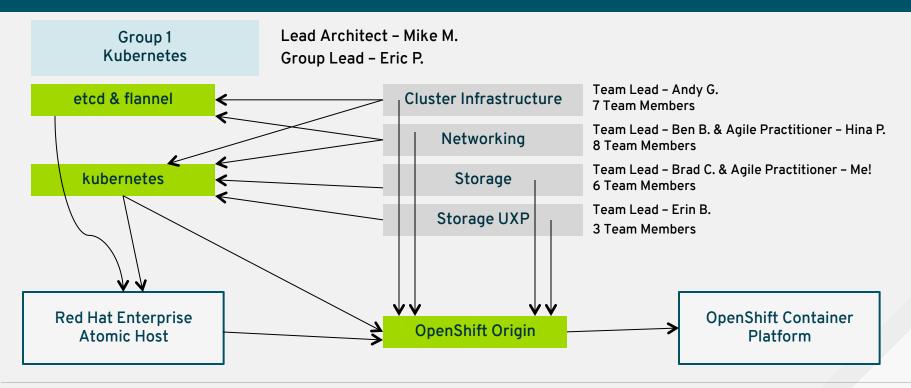
OpenShift Online

OpenShift Dedicated

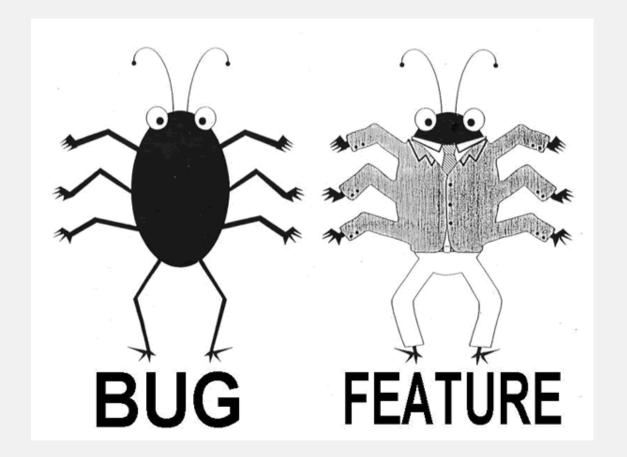


DETAILED LOOK AT A GROUP

ATOMIC OPENSHIFT













TEAM STRUCTURE - CIRCA '17

ATOMIC OPENSHIFT





ALSO STILL WORKING ON...



COMMUNICATION BOTTLENECKS

ACTION: Every sprint meet with entire team. Every week meet with your group. Daily nudge emails when we get close to a release.

RESULT: The basic framework works for the teams, but we re-evaluate quarterly to optimize. Most importantly, we conduct meeting audits.



PRIDE, COMMITMENT AND PASSION = WE SOMETIMES CLASH

ACTION: Monthly "Deep Dive" sessions into specific technology areas.

RESULT: Helps build confidence. Has sparked lively technology conversations, but nothing negative.



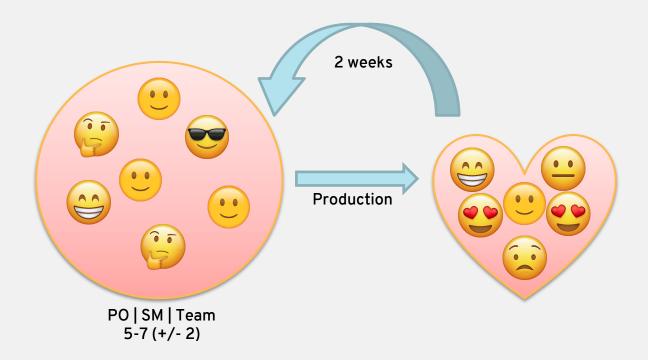
PRODUCT DEPENDENCY CONFLICTS

ACTION: We don't even know yet.

RESULT: Everything is on fire.







ANTI-PATTERNS FOR SCALING



Never add teams before you really need to.



Never optimize before it is time.



Never stop inspecting and adapting your process.











THANK YOU

plus.google.com/+RedHat



facebook.com/redhatinc



linkedin.com/company/red-hat



twitter.com/RedHatNews



youtube.com/user/RedHatVideos