



— ABBY KEARNS

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@ab415



CATERPILLAR



**—
EMERGES
TRANSFORMED**



WHITEWATER
KAYAKER

**SKILLED AND
REACTIVE**





**CATERPILLAR
OR KAYAKER?**



An aerial photograph of the ocean showing white-capped waves and ripples.

WE MUST BE KAYAKERS!

A dynamic photograph of a person in a kayak, wearing a white helmet and a blue life vest. They are holding a black paddle and smiling. Water is splashing around them, creating white foam against the dark blue water. The background is blurred, suggesting motion.

PLANS FOR LEARNING

CHOICE IS CRITICAL

ABSTRACTED COMPLEXITY



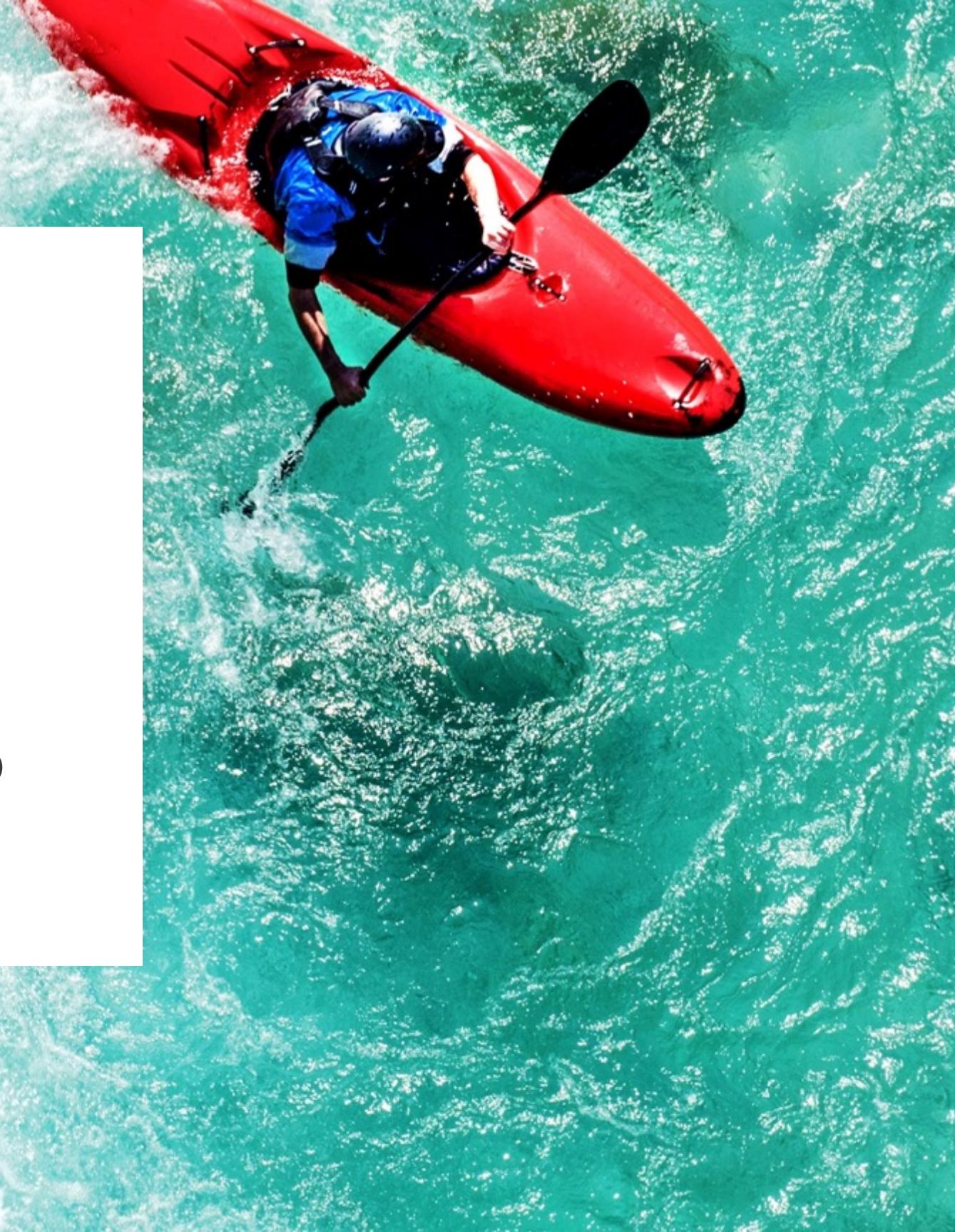
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**EVERYTHING IS
ACCELERATING**





69%

IT Decision Makers say digital transformation is important to their company.

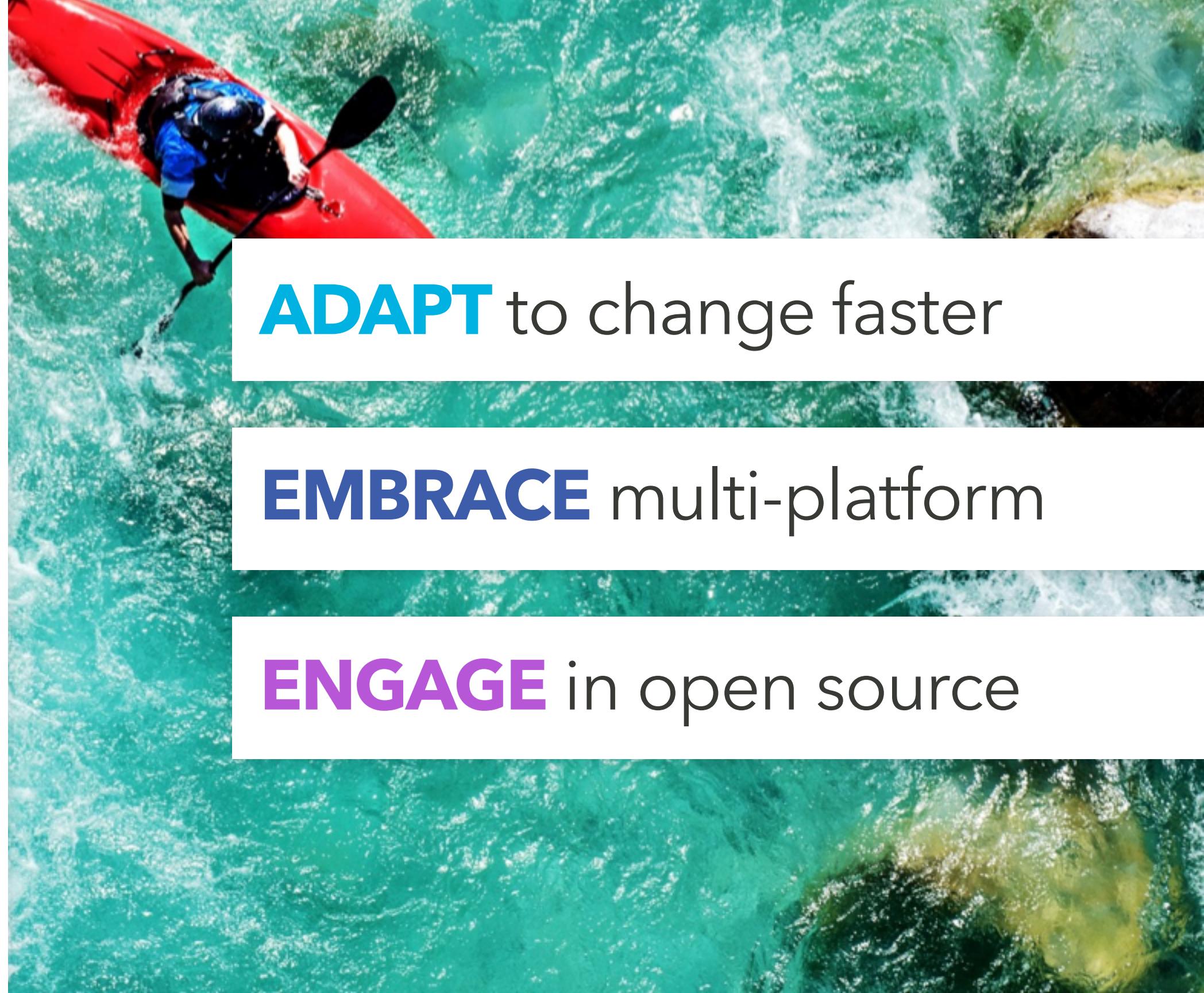


A person in a red kayak is shown from an aerial perspective, paddling through a turbulent sea of white-capped waves. The kayak is positioned in the upper left quadrant of the frame.

BE MORE RESPONSIVE

FAIL FASTER

INNOVATE MORE

A photograph of a person in a red kayak, wearing a blue life vest, paddling through choppy, greenish-blue water. The kayak is positioned in the upper left corner of the frame.

**BUILD
FOR THE
FUTURE**

ADAPT to change faster

EMBRACE multi-platform

ENGAGE in open source

Pre-CFF **OCT 2016** **NOV 2016** **DEC 2016** **MAY 2017** **DEC 2017** **MAR 2018** **OCT 2018**

2011

Linux
Containers

2014

Push Docker
Images

OCI support
GA in CFAR

CNI
Supported
in CFAR

Open Service
Broker API
Launched

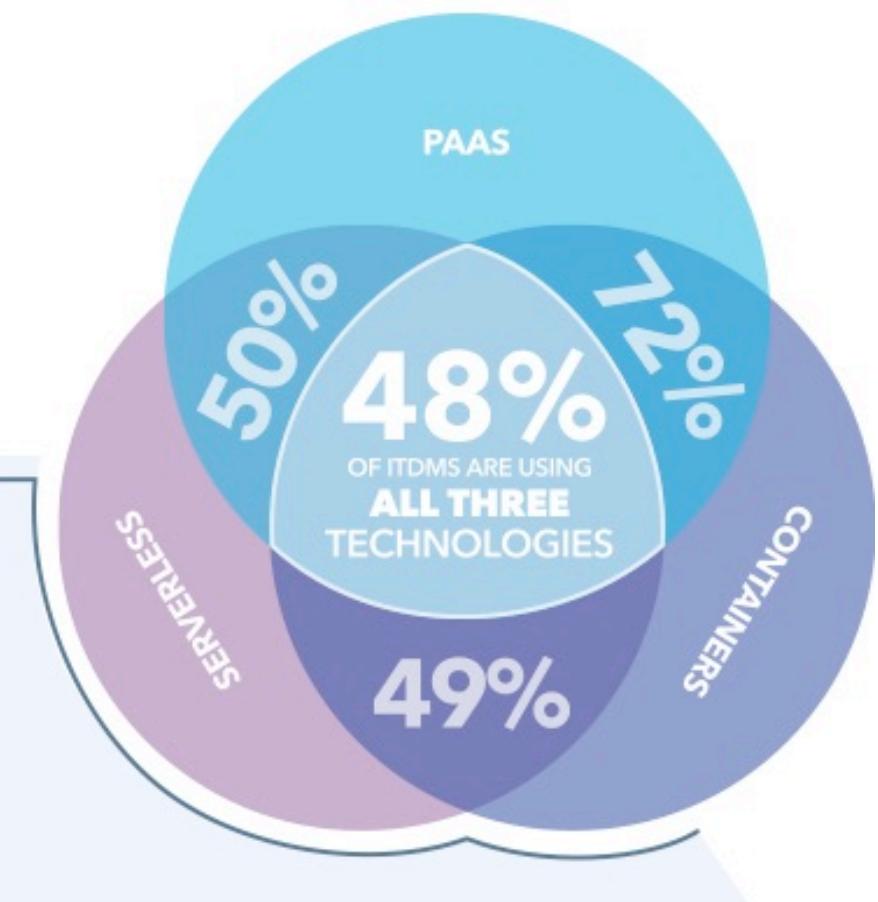
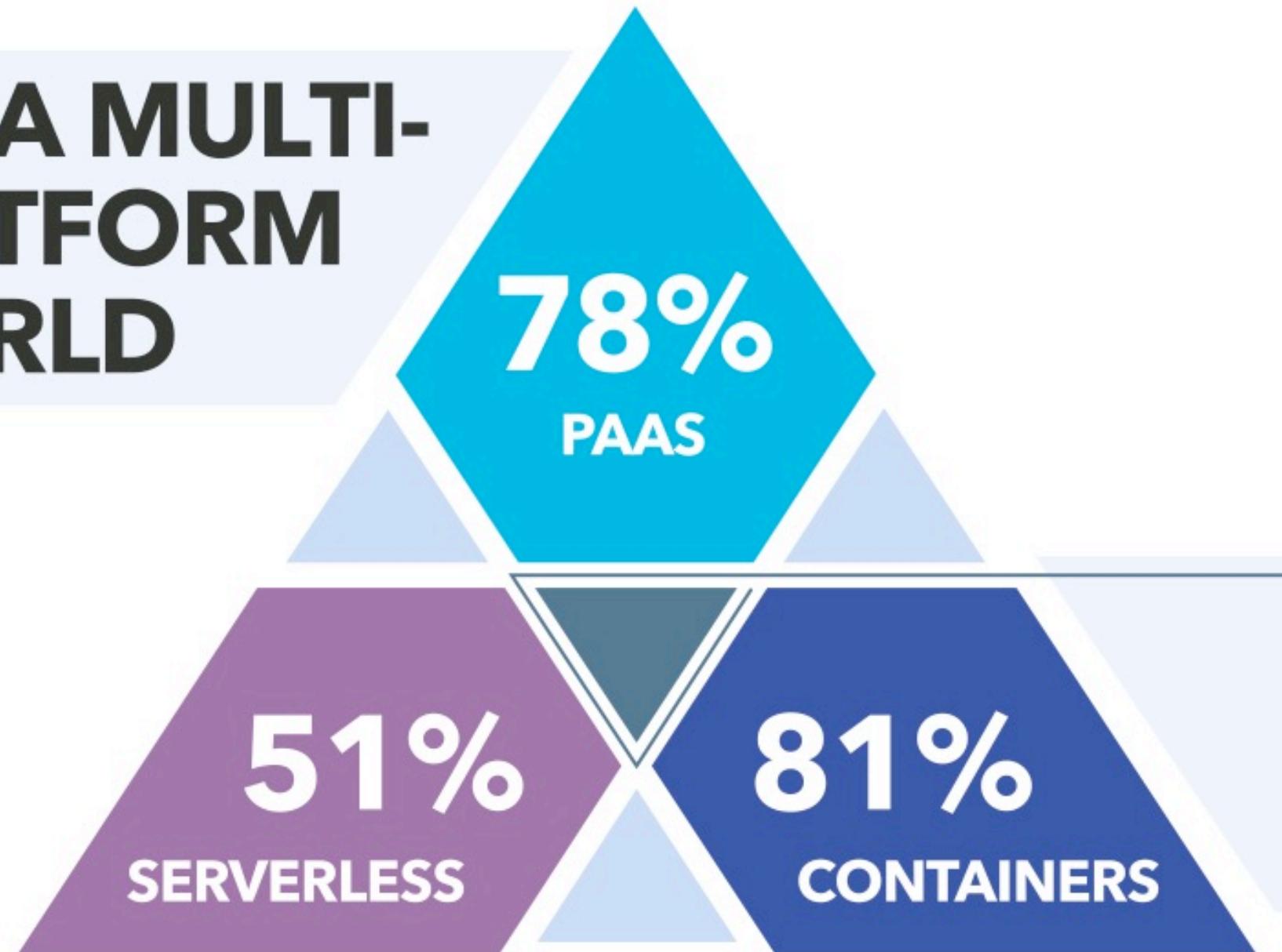
Kubo
Announced
(becomes
CFCR in Oct.)

winC released
Envoy, Istio Pilot
Integrations Begin
CF + K8S SIG

Containerd
Integration
Begins

Cloud Native
Buildpacks
Accepted
into CNCF

IT'S A MULTI-PLATFORM WORLD



66%

OPEN SOURCE UNLOCKS OPPORTUNITY

50%
USE MULTI-CLOUD ENVIRONMENT

Microsoft Azure



AWS



IBM Cloud



Google Cloud



VMware vSphere



Alibaba Cloud



43%

37%

33%

28%

16%

13%

51%

ON-PREM PRIVATE CLOUD

41%

OFF-PREM PUBLIC CLOUD

31%

OFF-PREM PRIVATE CLOUD

CROSS- FOUNDATION PROJECTS



Project Eirini is passing core functional tests and is now mature enough that early adopters have begun to deploy it into production environments.

Announced at Cloud Foundry Summit EU in 2018, Eirini has full-time engineers from Google and Pivotal, and continued contributions from IBM, SAP and SUSE.



Pivotal®



INTEROPERABILITY



ISTIO

CNI

OPEN
CONTAINER
INITIATIVE

etcd

envoy

kubernetes

59,400

+10% increase in **commits**

3,973

+30% increase in **pull requests**

COMMUNITY VELOCITY

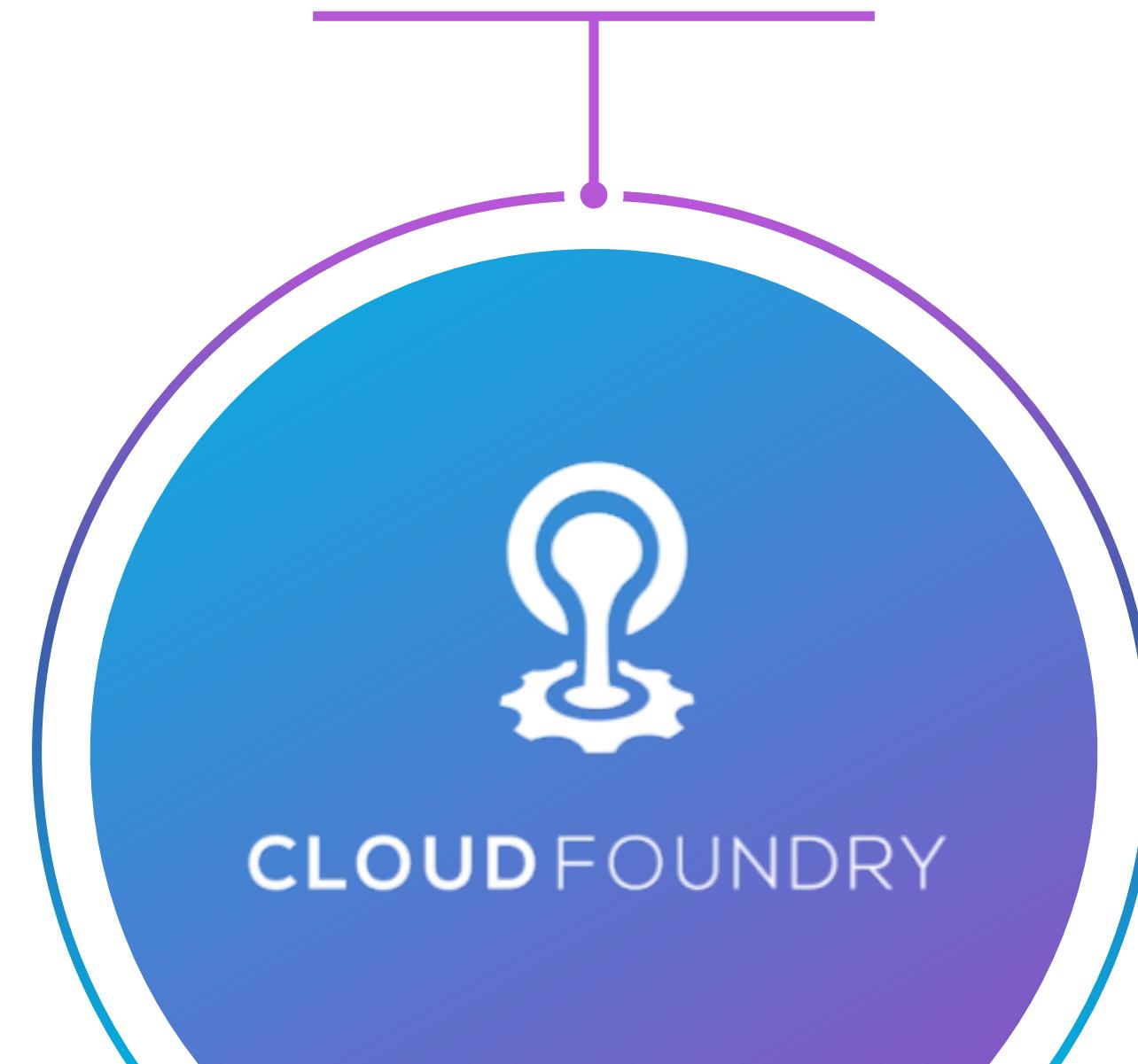
3,160

Contributors

40

Active Projects

HALF of the **FORTUNE 500**
shaping the future of their companies





sky



UK-based media and telecom provider reaches 23M customers across Europe. Deployed Cloud Foundry to meet customer demand and deliver mobile services.

OUTCOMES

Handles 3,000+ requests per second for mobile services

Developed Sky Academy for DevOps to increase employee skills and performance

Mobile services use 4,000 application containers





Scale @ SAP (Internal)

- 26,000 vCPU
- 86,000 GB RAM
- 1.3 PB Disk
- Supporting **20,500 developers**
- 50,000 running containers
- 57,000 service instances

Scale @ SAP (Customers)

10 environments overall

Largest environment:

- 18,500 vCPU
- 60,500 GB RAM
- 0.7 PB Disk
- 44,000 running containers
- 25,000 service instances





BUILD FOR THE FUTURE



—
CONTRIBUTE YOUR IDEAS

THANK YOU

