ABBY KEARNS
EXECUTIVE DIRECTOR, CLOUD FOUNDRY FOUNDATION
@ab415
WHITEWATER KAYAKER
SKILLED AND REACTIVE
CATERPILLAR OR KAYAKER?
WE MUST BE KAYAKERS!
PLANS FOR LEARNING

CHOICE IS CRITICAL

ABSTRACTED COMPLEXITY
EVERYTHING IS ACCELERATING
69% IT Decision Makers say digital transformation is important to their company.

Cloud Foundry Foundation Global Perception Survey, March 2019
BE MORE RESPONSIVE
FAIL FASTER
INNOVATE MORE
BUILD FOR THE FUTURE

**ADAPT** to change faster

**EMBRACE** multi-platform

**ENGAGE** in open source
2011
Linux Containers

2014
Push Docker Images

OCI support GA in CFAR

CNI Supported in CFAR

Kubo Announced (becomes CFCR in Oct.)

Containerd Integration Begins

Pre-CFF

OCT 2016

NOV 2016

DEC 2016

MAY 2017

DEC 2017

MAR 2018

OCT 2018

Cloud Native Buildpacks Accepted into CNCF

Open Service Broker API Launched

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

OCT 2016
IT’S A MULTIPLATFORM WORLD

78% PAAS
51% SERVERLESS
81% CONTAINERS

48% OF ITDMs ARE USING ALL THREE TECHNOLOGIES
66% OPEN SOURCE UNLOCKS OPPORTUNITY

50% USE MULTI-CLOUD ENVIRONMENT

51% ON-PREM PRIVATE CLOUD

41% OFF-PREM PUBLIC CLOUD

31% OFF-PREM PRIVATE CLOUD

Microsoft Azure 43%
AWS 37%
IBM Cloud 33%
Google Cloud 28%
VMware vSphere 16%
Alibaba Cloud 13%

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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.
Active Projects

+10% increase in commits

+30% increase in pull requests

COMMUNITY VELOCITY

3,160 Contributors

40 Active Projects
HALF of the FORTUNE 500 shaping the future of their companies
OUTCOMES

Handles 3,000+ requests per second for mobile services

Developed Sky Academy for DevOps to increase employee skills and performance

Manages customer interaction while delivering Netflix, sports and more

SUMMARY

UK-based media and telecom provider Sky plc reaches 23 million customers in the UK and across Europe, and deployed Cloud Foundry to meet customer demand and deliver mobile services.
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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