

KubeCon



CloudNativeCon



OPEN SOURCE SUMMIT

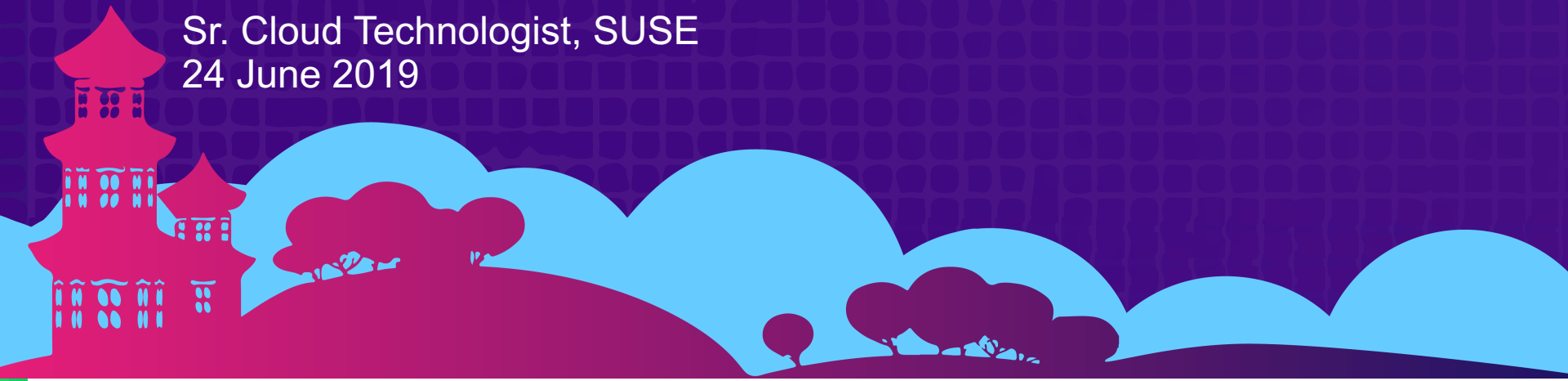
China 2019

Effortless approach to application delivery with SUSE Cloud Application Platform

Derek So

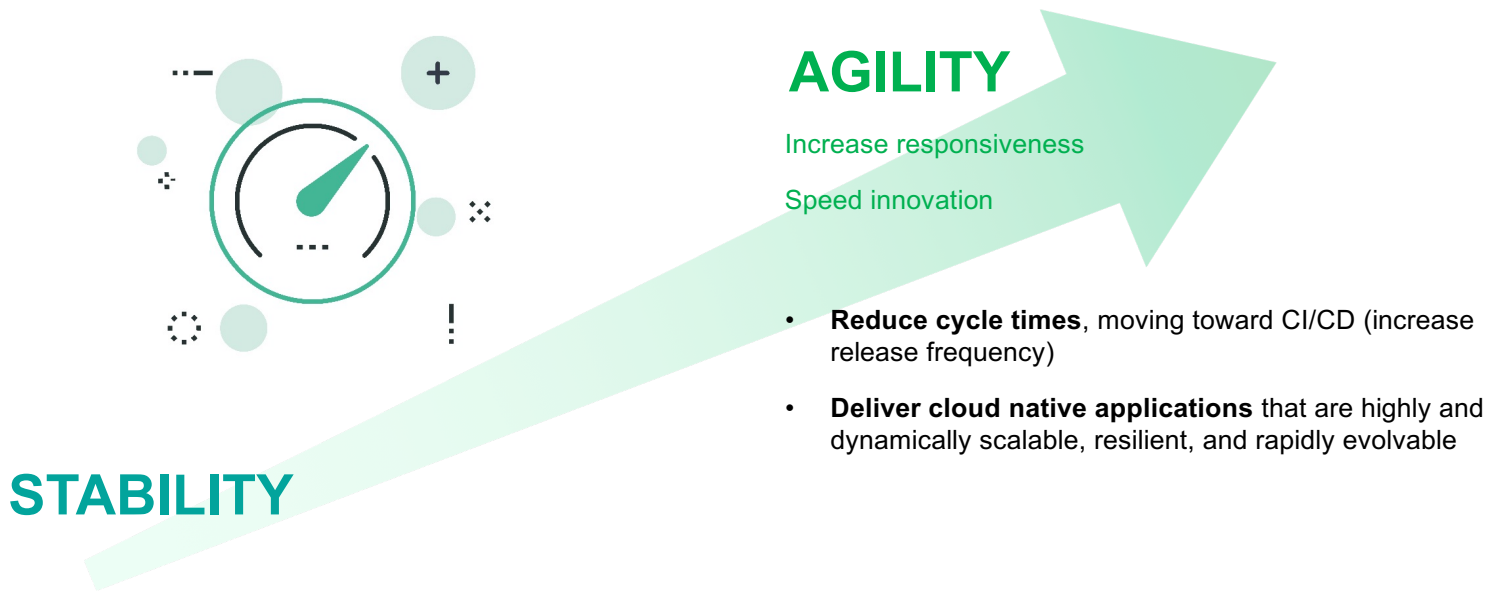
Sr. Cloud Technologist, SUSE

24 June 2019



Accelerate Delivery of Modern Applications

To compete and win in the digital era



Kubernetes is aimed at operators, not developers



Kubernetes =
IT Flexibility



Cloud Foundry =
**Developer
Productivity**

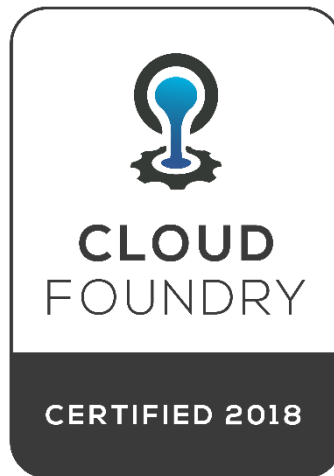
Increased developer productivity = Increased ROI

An ideal solution for organizations pursuing an engineering-led approach to application delivery transformation

Cloud Foundry users save

**10 Weeks,
\$100,000**

On average per application
development cycle



- Containerized
- Easy for Kubernetes users
- Small memory footprint
- 100% open source
- Enterprise grade Linux

SUSE Cloud Application Platform

*Bringing an Advanced Cloud Native Developer
Experience to Modern Kubernetes Infrastructure*



Modular Kubernetes Solution Architecture

Flexible packaging to match your needs

Kubernetes user experiences



DIY DevOps Automation



SUSE Cloud Application Platform

Advanced Cloud Native Developer Experience



SUSE CaaS Platform

Kubernetes for the Agile Enterprise



Amazon
EKS



Microsoft
AKS



Google
GKE

Kubernetes operator experiences

Cloud Foundry Projects **SUSE** is involved in



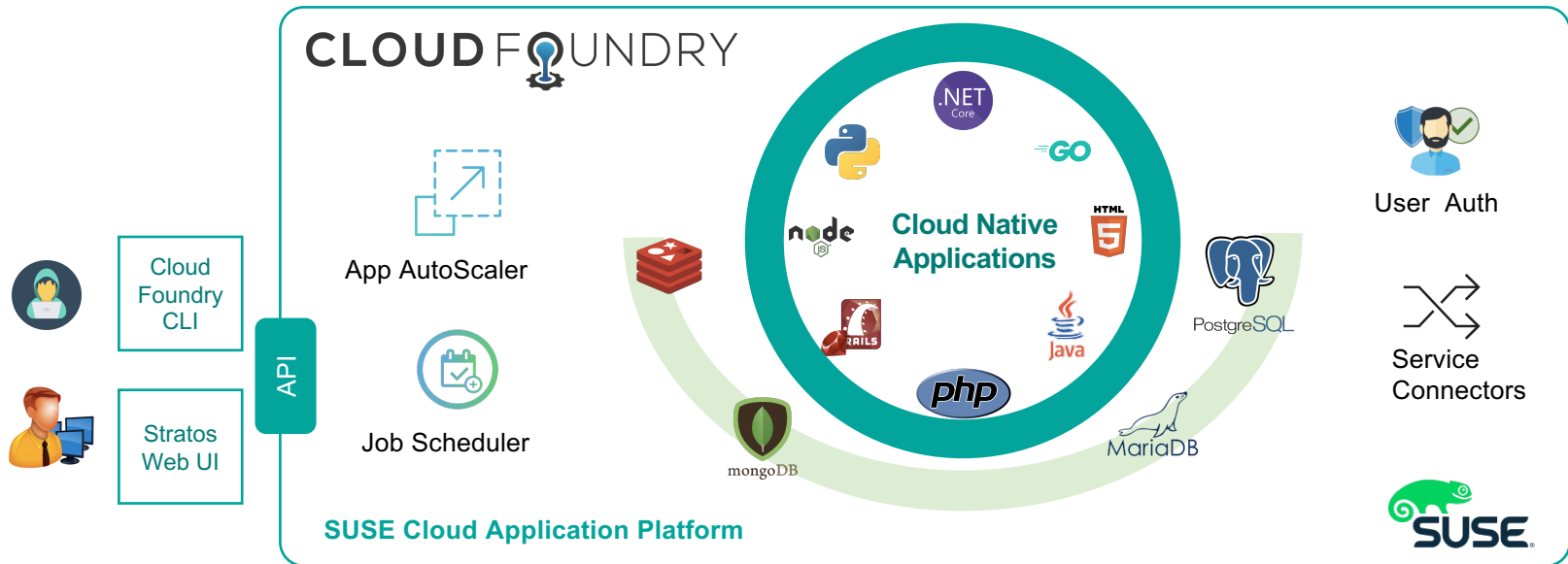
packages Cloud Foundry Application Runtime (CFAR) as containers instead of virtual machines, allowing CFAR to be deployed to Kubernetes



enables pluggable scheduling for CFAR (allows operators to choose whether CFAR should use Diego or Kubernetes to orchestrate application container instances)

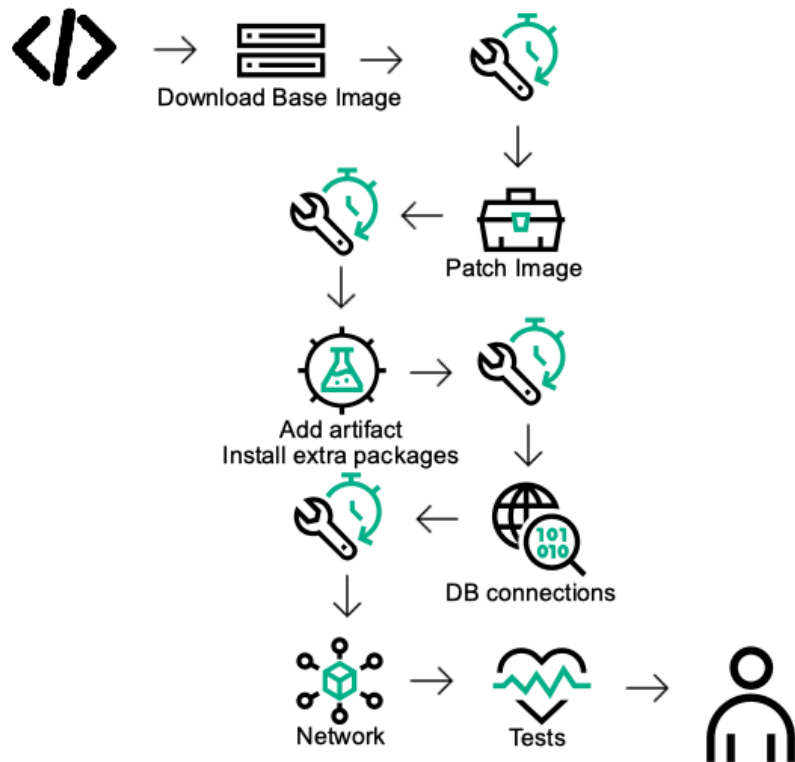


a web-based UI for managing Cloud Foundry. It allows users and administrators to both manage applications running in the Cloud Foundry cluster and perform cluster management tasks



With cloud native, time-to-market is accelerated

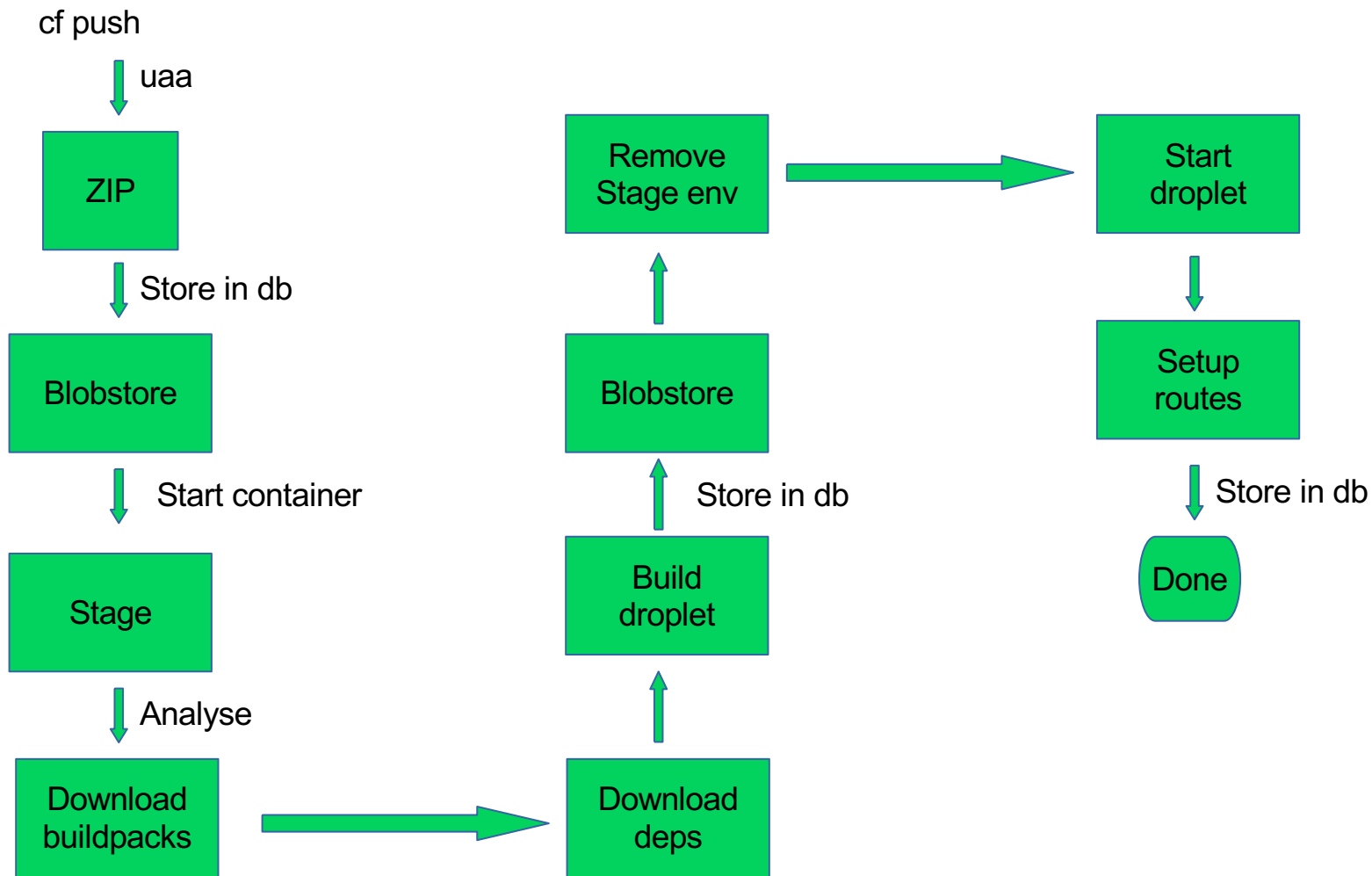
Before



After

> cf push

CF Push Demo



Multi-cloud Management

Centralized management of clusters and workloads

The screenshot displays the STRATOS web interface. On the left is a dark blue sidebar with navigation links: Applications, Marketplace, Services, Cloud Foundry, Kubernetes, and Endpoints (which is highlighted). The main content area has a breadcrumb trail 'Endpoints > Metrics' and a green status indicator 'A'. It features two panels. The top panel, titled 'Metrics', shows a bar chart icon and a URL: <https://metrics.caasp.capbristol.com:31572>. Below this, it states 'Provides metrics for the following endpoints:' and lists details for 'Cloud Foundry' endpoints, including an address, Prometheus job name, exporter health, and scrape/error timestamps. The bottom panel, titled 'K8S' with a Kubernetes icon, shows details for 'Kubernetes' endpoints, including an address and Prometheus job name.

STRATOS

Applications

Marketplace

Services

Cloud Foundry

Kubernetes

Endpoints

Endpoints > Metrics

Metrics

<https://metrics.caasp.capbristol.com:31572>

Provides metrics for the following endpoints:

Cloud Foundry

Cloud Foundry

Address

<https://api.caasp.capbristol.com>

Prometheus Job

cf-firehose

Exporter Health

UP

Exporter Last Scrape

Nov 22, 2018, 8:58:14 AM

Exporter Last Error

None

K8S

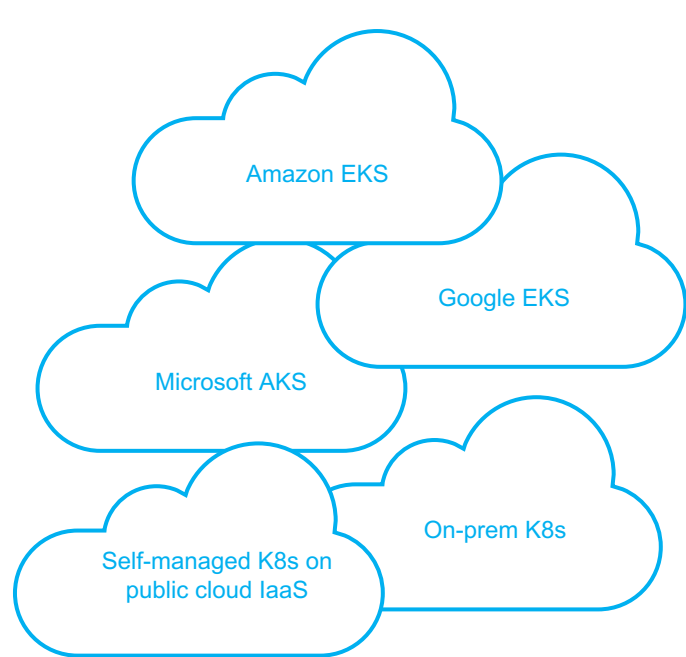
Kubernetes

Address

<https://kube-api.devenv.capbristol.com:6443>

Prometheus Job

k8s-metrics



Stratos Demo

A haiku...

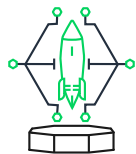
**"Here is my source code
run it on the cloud for me
I do not care how"**

-ONSI FAKHOURI

SUSE Cloud Application Platform



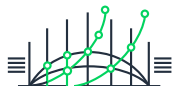
A modern application delivery platform that brings an advanced cloud-native developer experience to Kubernetes. SUSE Cloud Application Platform increases business agility by helping enterprises to:



Boost developer productivity: with easy one step deployment of cloud native applications using the language and framework most appropriate for the task



Reduce complexity and increase IT efficiency: with a lean platform for rapid application delivery at scale



Maximize ROI: with industry leading open source technologies that leverage your existing investments



We adapt. You succeed.