



KubeCon



CloudNativeCon



OPEN SOURCE SUMMIT

China 2019

Effortless approach to application delivery with SUSE Cloud Application Platform

Derek So

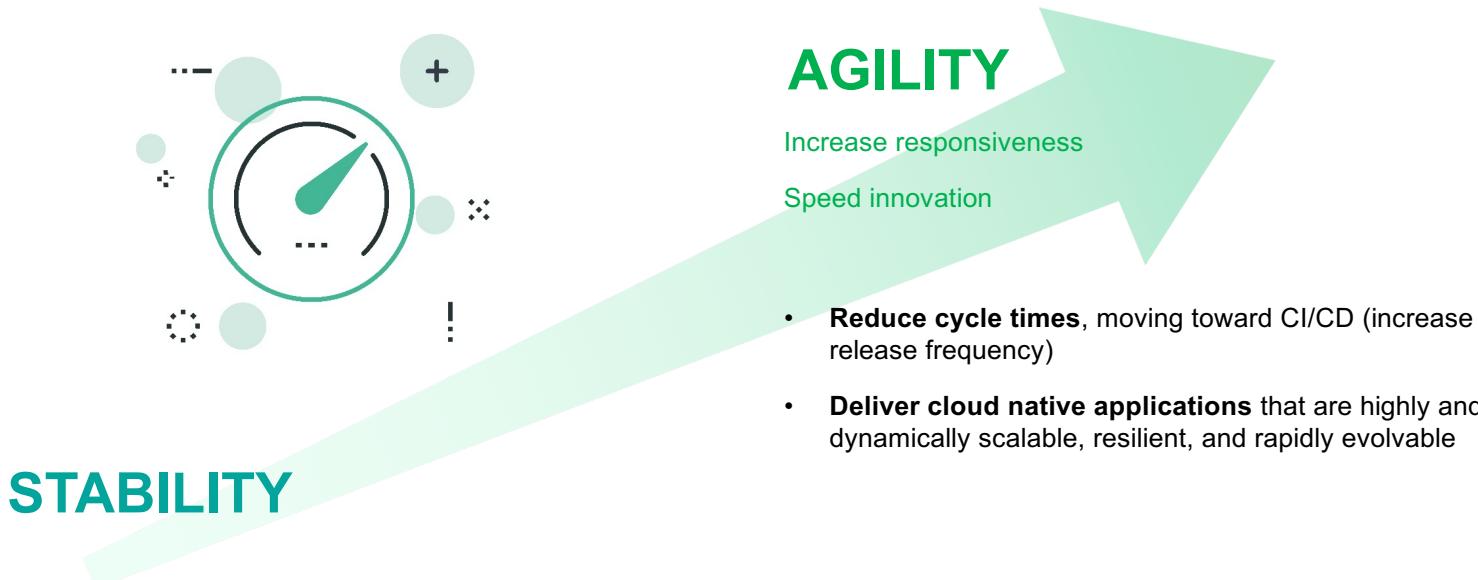
Sr. Cloud Technologist, SUSE

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

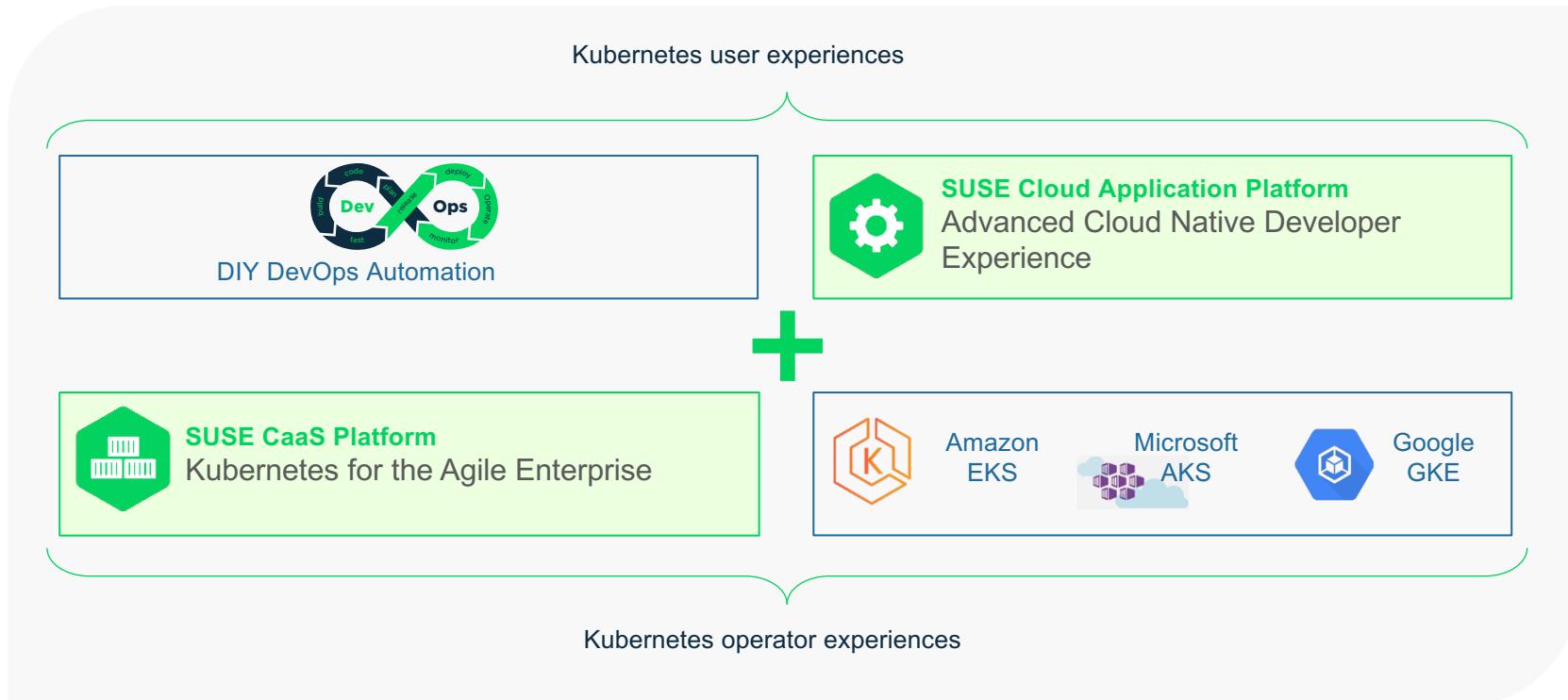
SUSE Cloud Application Platform

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



Modular Kubernetes Solution Architecture

Flexible packaging to match your needs



Cloud Foundry Projects SUSE is involved in



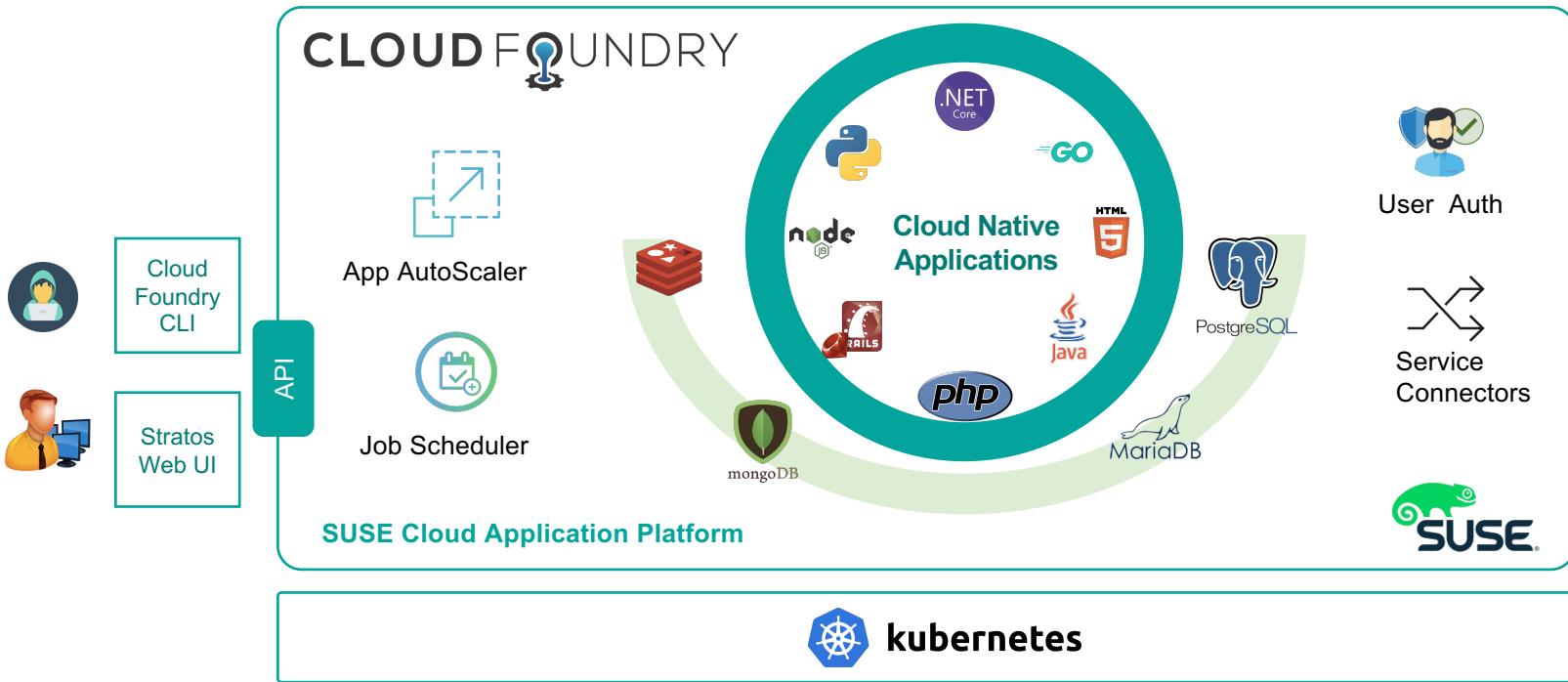
packages Cloud Foundry Application Runtime (CFAR) as containers instead of virtual machines, allowing CFAR to be deployed to Kubernetes



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



Public Cloud

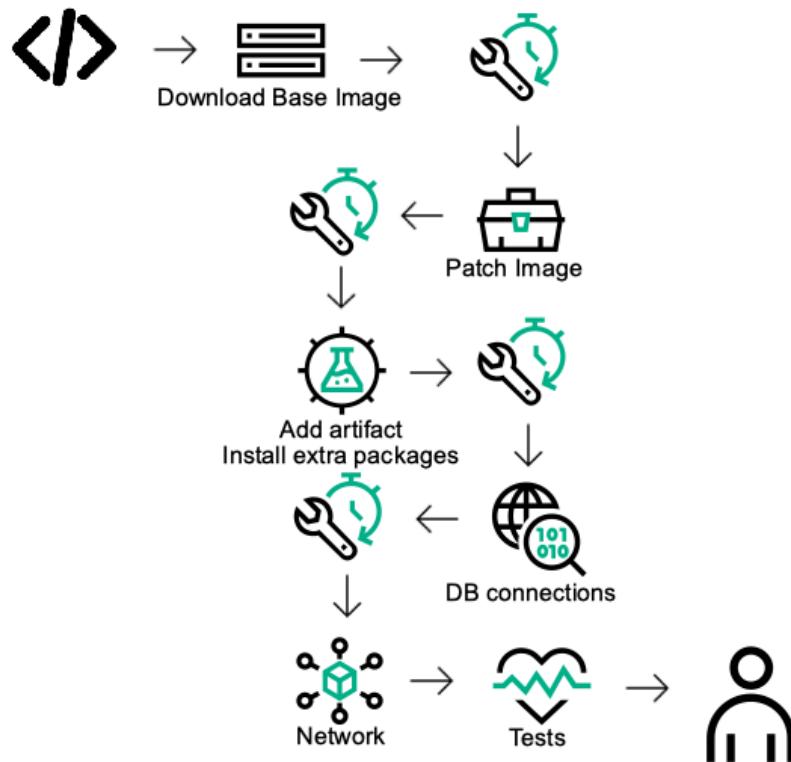


On Premise



With cloud native, time-to-market is accelerated

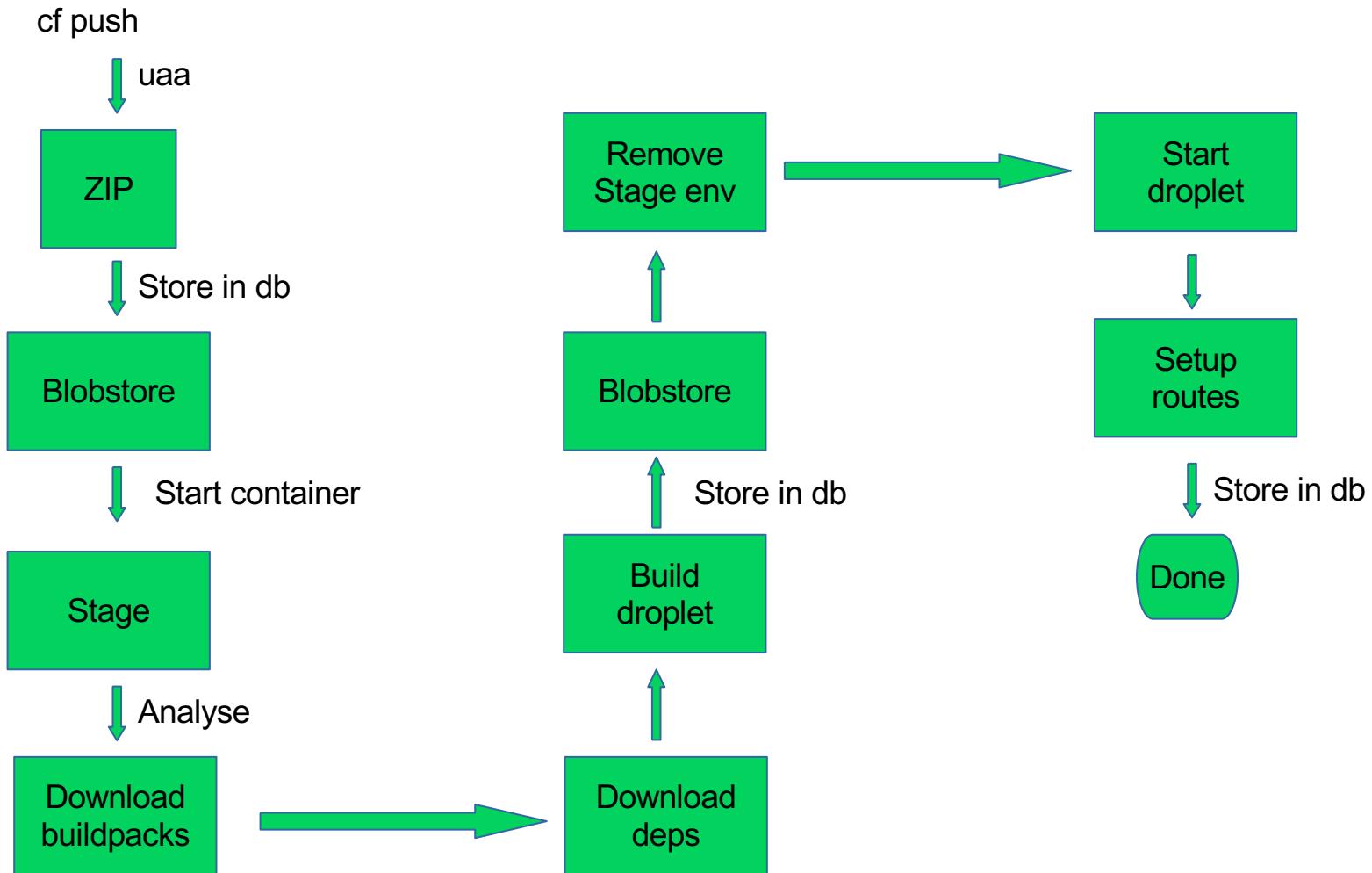
Before



After

```
> cf push
```

CF Push Demo



Multi-cloud Management

Centralized management of clusters and workloads

STRATOS

- Applications
- Marketplace
- Services
- Cloud Foundry
- Kubernetes
- Endpoints

Endpoints > Metrics

A

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

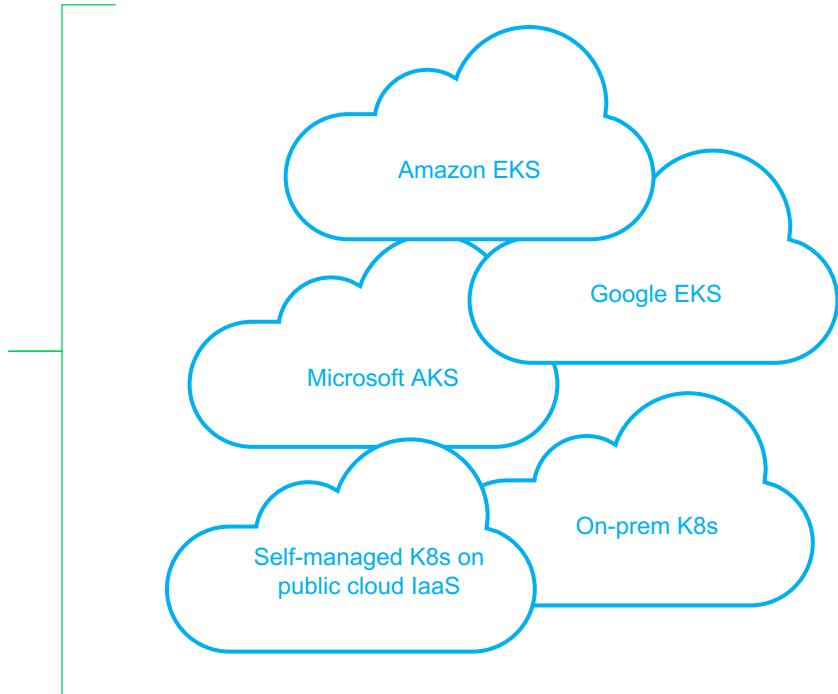
Provides metrics for the following endpoints:

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

KBS
Kubernetes

- Address: <https://kube-api.devenv.capbristol.com:6443>
- Prometheus Job: k8s-metrics



Stratos Demo

A haiku...

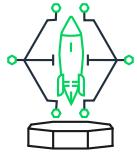
**"Here is my source code
run it on the cloud for me
I do not care how"**

-ONSI FAKHOURI

SUSE Cloud Application Platform



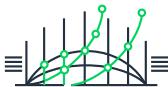
A modern application delivery platform that brings an advanced cloud-native developer experience to Kubernetes. SUSE Cloud Application Platform increases business agility by helping enterprises to:



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.