

**CAMUNDA
CON
2022**

Build Your Stream Processing Apps Dead Easy

**Without Dying on the Complexity of
Infrastructure and System Integration**

Nele Lea Uhlemann, Camunda

Timo Salm, VMware



Introductions



Nele Lea Uhlemann

Developer Advocate

Camunda



Timo Salm

Senior Lead Tanzu DevX Solution Engineer

VMware

Streaming Data



A constant flow of data that is processed in real-time as it's delivered to a system.

Examples

- Social media feeds
- Real-time stock trades
- Ride-sharing apps

Use Case



Ride-Sharing App

Match riders with the best drivers depending on proximity, traffic, pricing, wait times, and more

The Uber logo, consisting of the word "Uber" in a black, sans-serif font.The FREE NOW logo, with "FREE" in red and "NOW" in blue, followed by a blue checkmark icon.The Lyft logo, featuring the word "lyft" in a pink, rounded, lowercase font.The BlaBlaCar logo, featuring a blue and green speech bubble icon followed by the text "BlaBlaCar" in a dark blue, sans-serif font.

Cloud Native Applications



Ship faster, reduce risk, and grow your business

“Cloud native is structuring **teams**, **culture**, and **technology** to utilize automation and architectures to manage complexity and **unlock velocity**.”

How do you build cloud native applications?

■ Agile ■ DevSecOps ■ Continuous Delivery ■ Microservices ■ Containers

Focus: Developer Productivity



Your Business Depends on it!



4-5x

faster revenue
growth

Companies with a **higher**
DVI (Developer Velocity
Index) compared to those
with **lower** DVI



55x

more innovative

Camunda - Process Automation



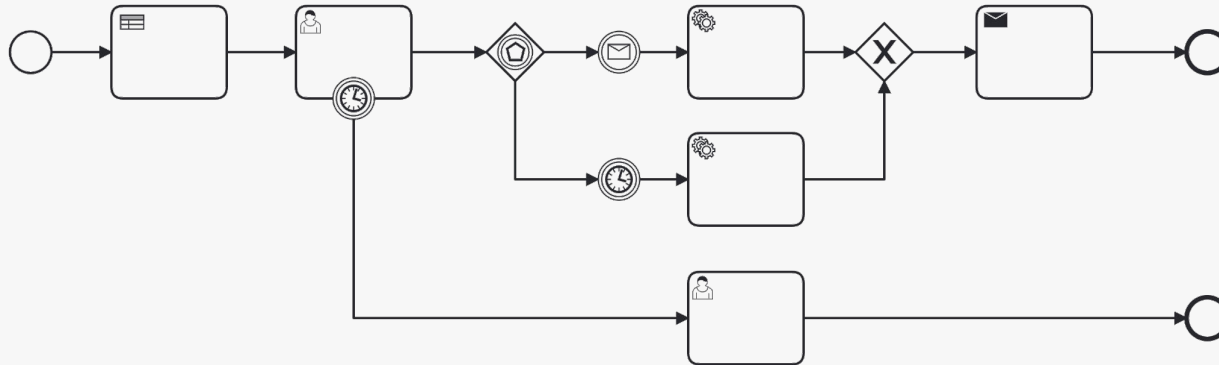
Separation of concerns



Orchestration



Reusability



Camunda Platform 8

Microservices
Orchestration



Visibility of end-to-end process



Monitor runtime:

- State handling
- Error handling
- Event monitoring



Improve efficiency

Demo

Business Process

Spring by VMware



Spring Boot

Build Anything



Spring Cloud

Coordinate Anything



Spring Cloud

Data Flow
Connect Anything

Code Clarity | Lower Complexity | Less Tech Debt |
Focus on Business Logic | Better Test Coverage | Faster Code Completion

Demo

Implementation

Take Advantage of Kubernetes Benefits



Improved resource utilization

Shortened software development cycles

Enabled our move to the cloud

Reduced public cloud costs

Eased application upgrades and maintenance

Increase flexibility of applications

Enabled a hybrid cloud model

Almost all respondents see clear benefits from Kubernetes



59%

40%

49%

46%

54%

42%

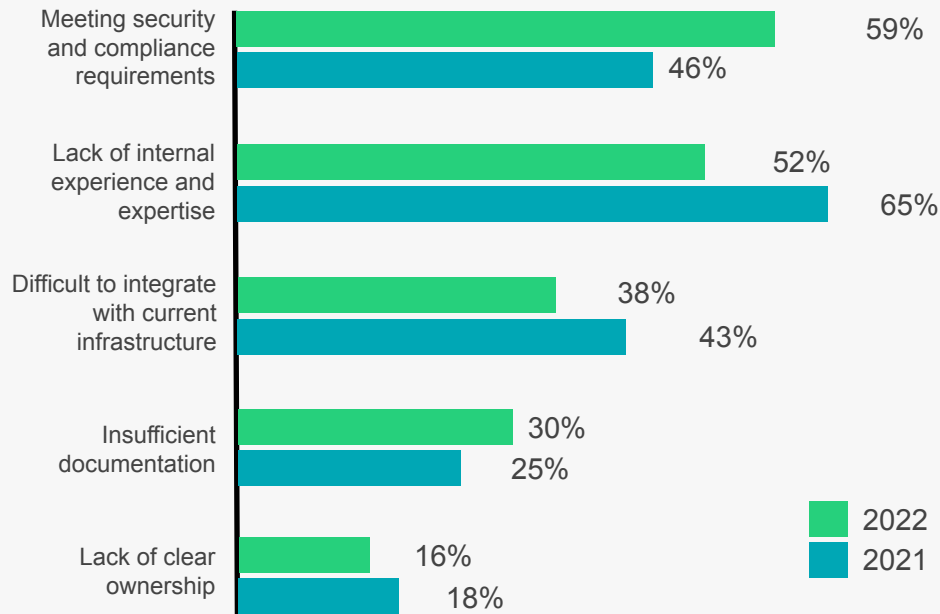
99%

62%

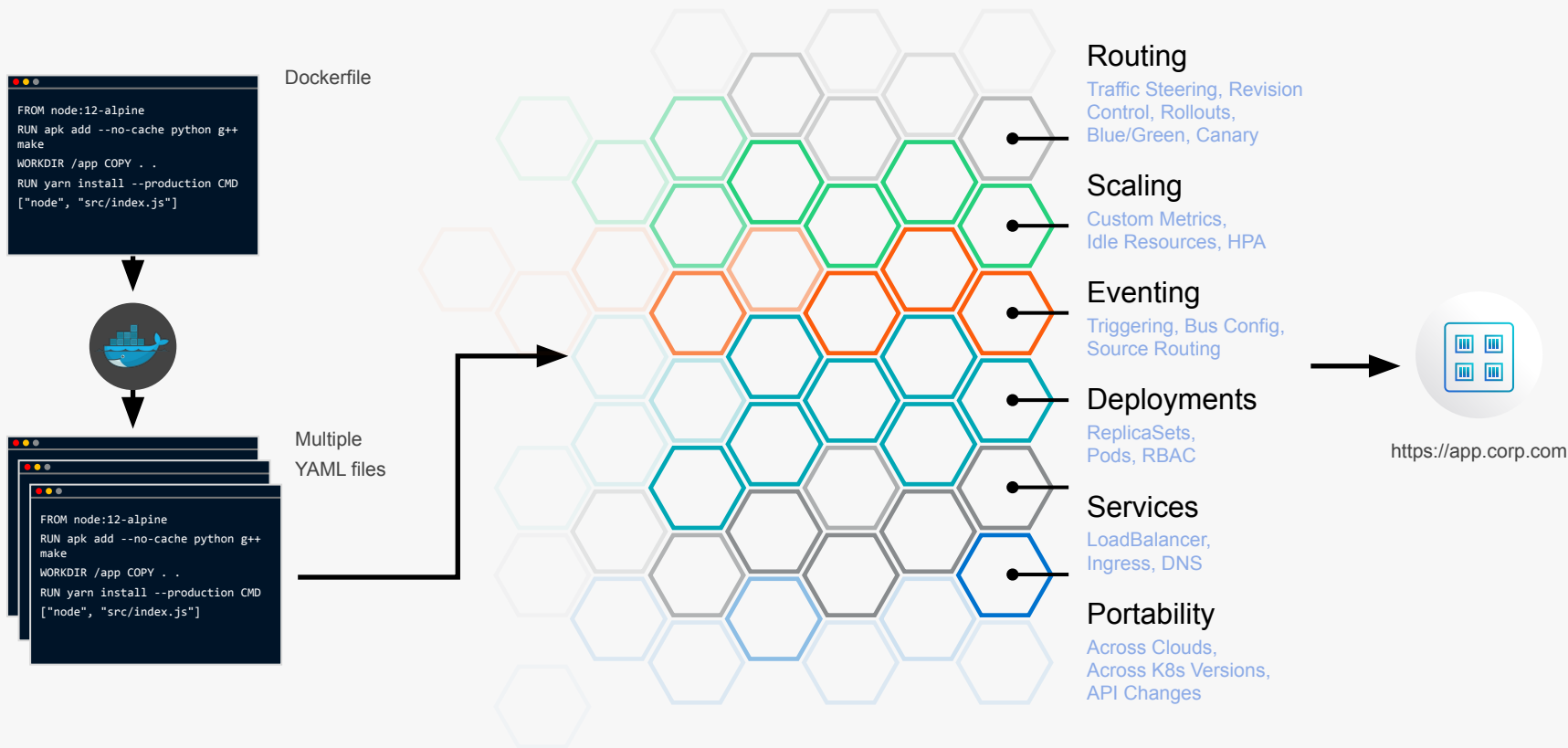
But the move to Kubernetes can be a challenge



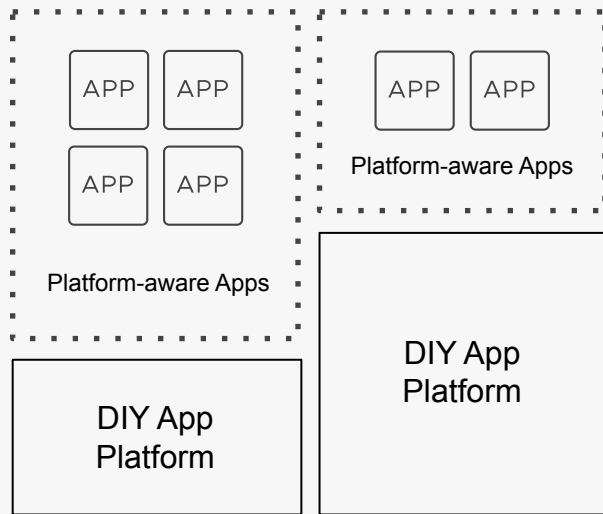
What challenges has your organization encountered in deploying Kubernetes?



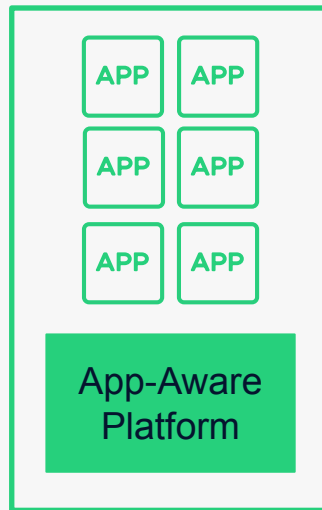
Steep Kubernetes Learning Curve: The Developer Experience GAP



The Benefits of an App-Aware Platform



VS



Developer focuses on defining requirements for app

Enables shift-left model with no burden to developer

Full portability from development to production

Platform best-practice are automatically applied

VMware Tanzu Application Platform

A Superior Multi-cloud
Developer Experience on
Kubernetes



Unlock developer productivity



Build rapid yet sustainable path to
production

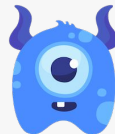


Coordinate the work of Dev, Sec, and Ops

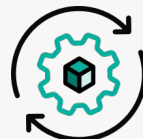
Built with an Open Source–First Mindset!



Knative



grype



kpack



Buildpacks.io



kubernetes



CARTOGRAPHER



TEKTON



flux



CONTOUR



CARVEL

Demo

Deployment

Demo

Running Application

Developer Productivity



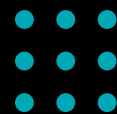
Camunda



Spring



VMware Tanzu Application
Platform



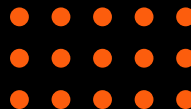
THANK YOU



@nele_lea



@salmto



Comprehensive Stack to Modernize Your Applications

VMware Tanzu Including VMware Tanzu Labs

