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# Exploring the Power of OpenTelemetry on Kubernetes

*Pavol Loffay, Benedikt Bongartz, Yuri Oliveira Sa,  
Kristina Pathak, Severin Neumann*


# Session Q+A



**Pavol Loffay**

Principal Software Engineer,  
Red Hat

 @cncf/Pavol Loffay


 pavolloffay

 @ploffay



**Severin Neumann**

Open Source Program Manager,  
Cisco

 @cncf/Severin

 svrnm

 @svrnm



**Kristina Pathak**

Staff Software Engineer,  
LightStep


 @cncf/Kristina Pathak

 kristinapathak




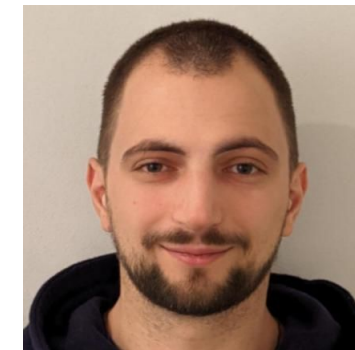
**Yuri Oliveira Sa**

Software Engineer,  
Red Hat

 @cncf/Yuri Oliveira

 yuriolisa

 @yurioliveirasa




**Benedikt Bongartz**

Senior Software Engineer,  
Red Hat

 @cncf/Bene Bongartz

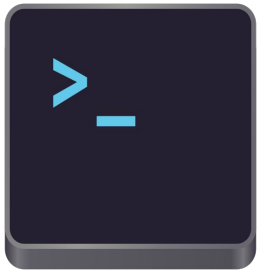
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# Agenda

- Prerequisites
- Observability in a nutshell
- The OpenTelemetry Project
- **Hands on session!**
- Roadmap: What's coming next?

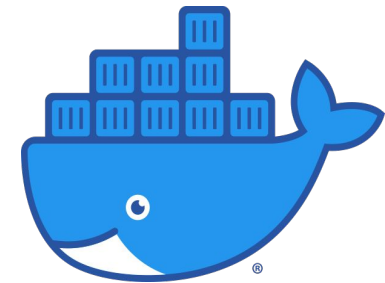
# Prerequisites



Terminal of your choice



Access to K8S  
v1.19 - v1.26

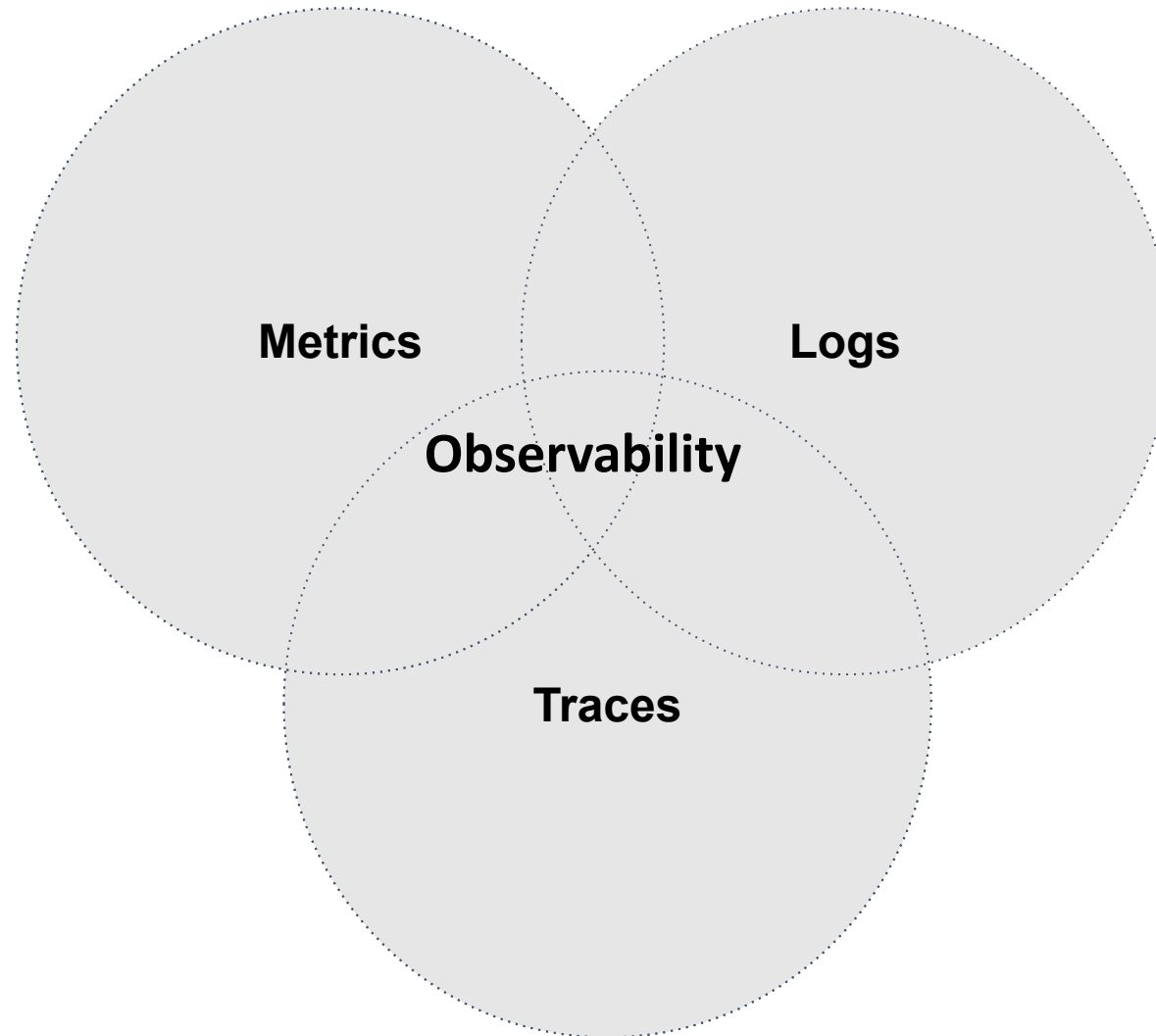


Containerization tool  
docker/podman

Open:

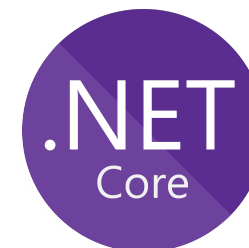
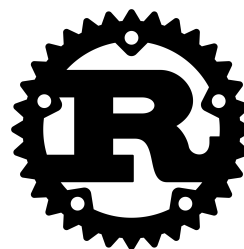
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# Observability in a nutshell



# Observability & OpenTelemetry

- Open source!
- Cloud Native Computing Foundation (CNCF)
- Vendor neutral telemetry data collection
- Specification, API, SDK, data model - OTLP, auto-instrumentation, collector
- Helm chart, Kubernetes operator





# Schedule

🔗 Tutorial on Apr 22, 2023

## OpenTelemetry Collector 101



**Benedikt Bongartz** authored and committed today

Verified



10min



## OpenTelemetry Operator Introduction



**Pavol Loffay** authored and committed today

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10min



## How to instrument your application probably



**Pavol Loffay** and **Severin Neumann** authored and committed today

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30min



## Collecting metrics and integrate with Prometheus CRs



**Kristina Pathak** authored and committed today

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15min



## Getting started with OpenTelemetry Logs



**Yuri Oliveria Sa** authored and committed today

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10min



## Roadmap: What's Coming Next



**Yuri Oliveria Sa** authored and committed today

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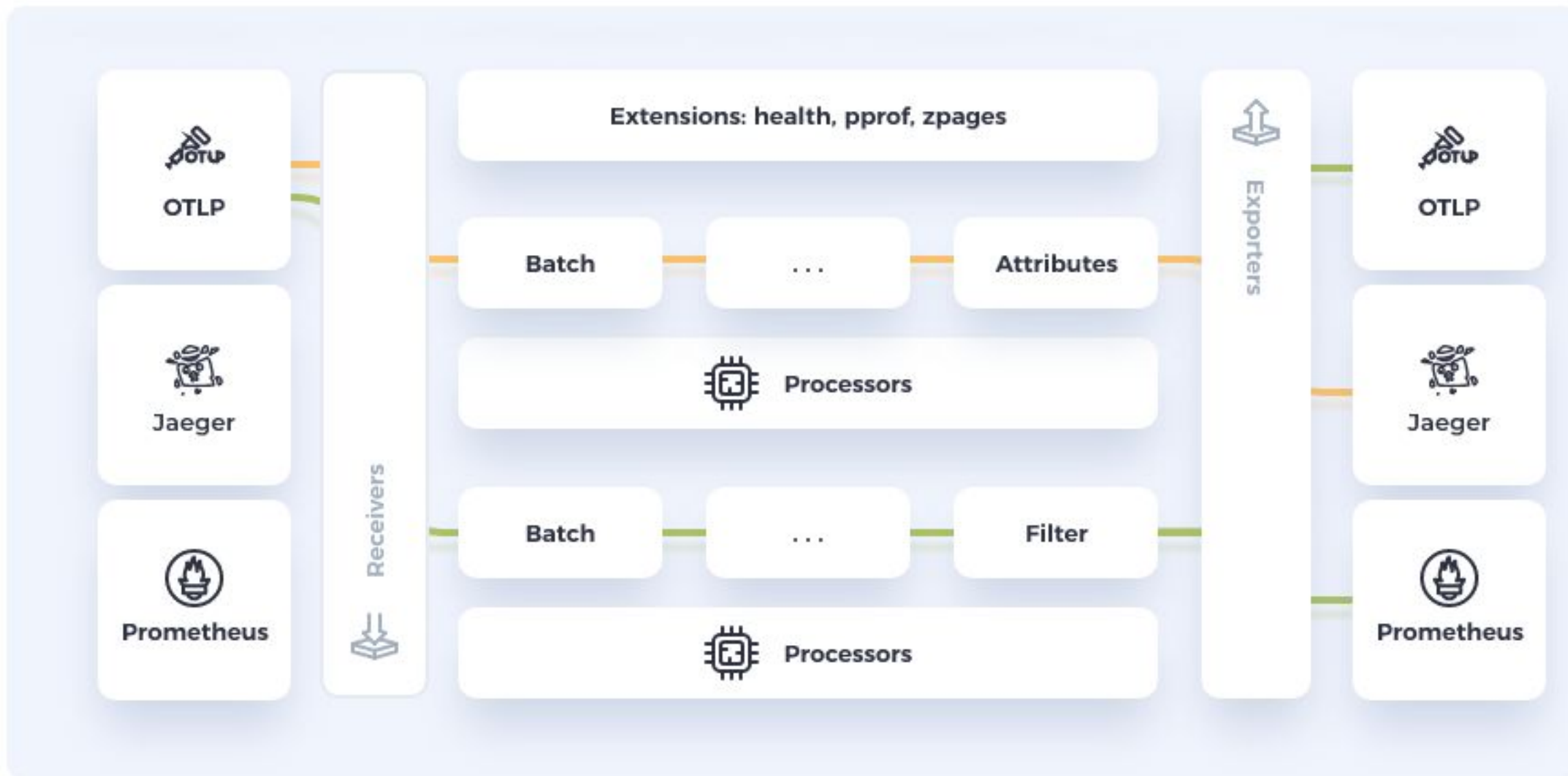
5min





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# OpenTelemetry Collector 101





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