



redhat®

# JAEGER PROJECT INTRO

KubeCon + CloudNativeCon Europe 2018

2018-05-02

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# CONTEXT

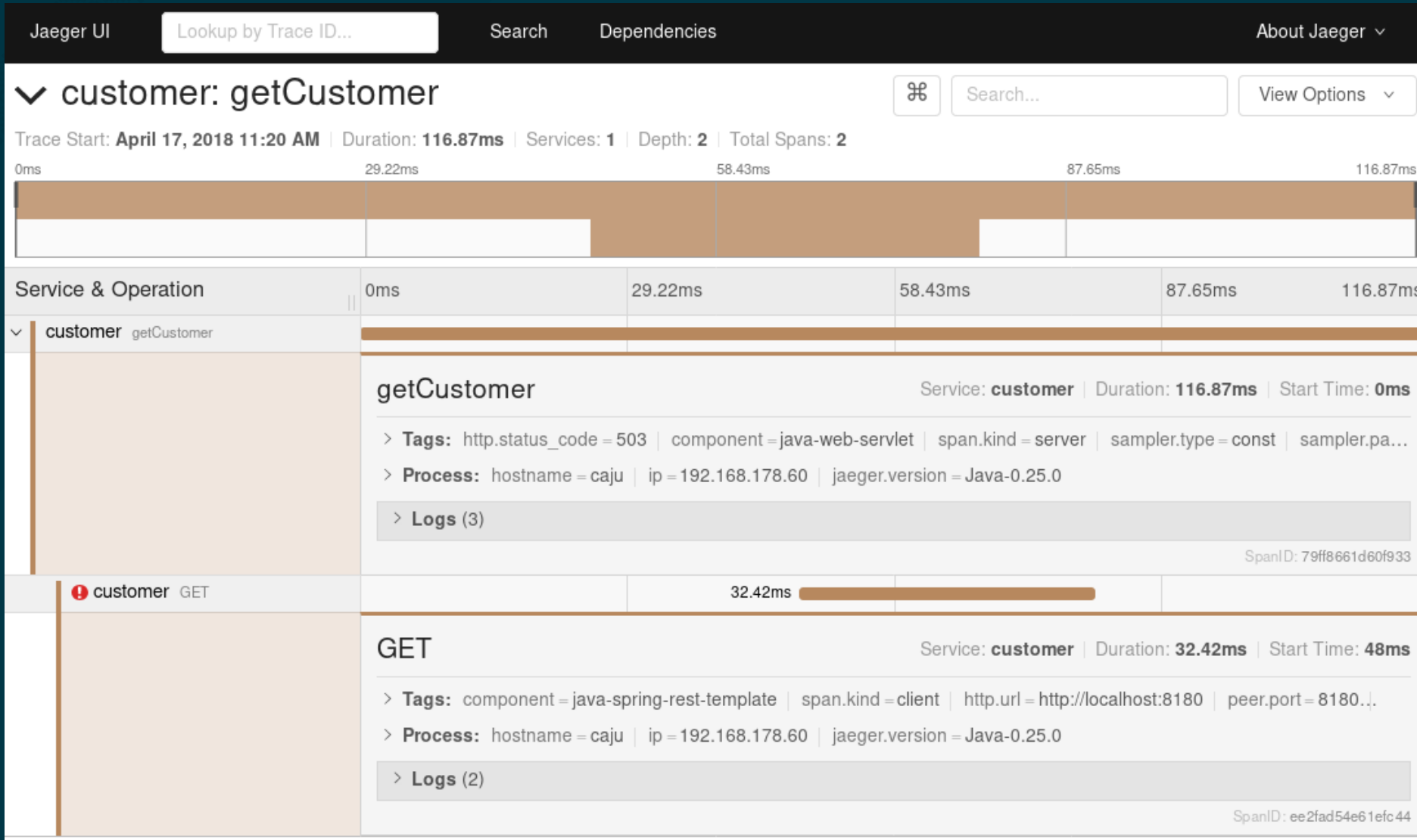
- \* MICROSERVICES

- \* OBSERVABILITY PROBLEM

# TRACING

- \* CODE INSTRUMENTATION
- \* "SPAN" IS A WRAPPER AROUND A UNIT OF WORK
- \* SPAN CAN CONTAIN OTHER SPANS
- \* EXPLICIT VS. IMPLICIT INSTRUMENTATION

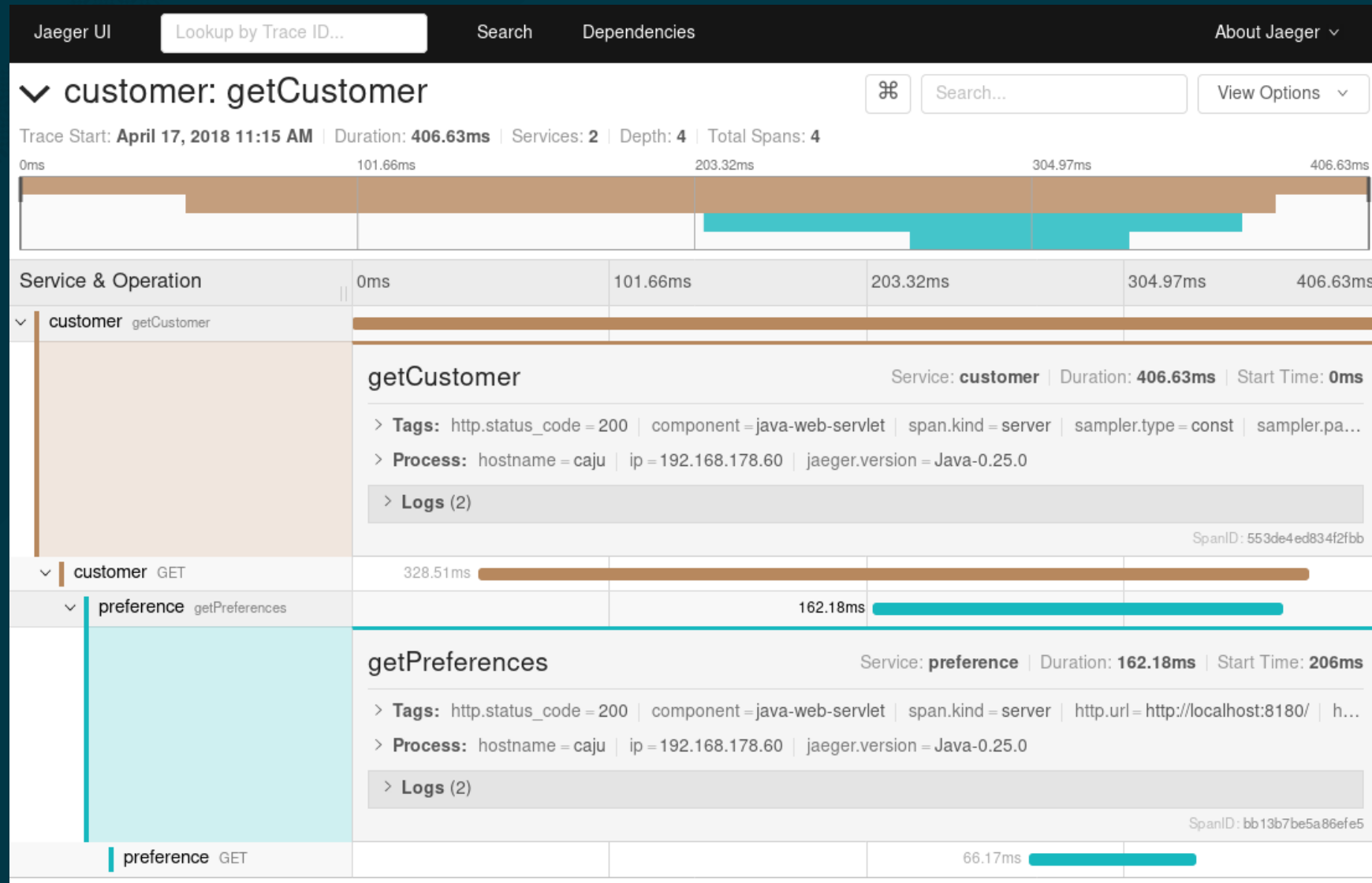
# TRACING



# DISTRIBUTED TRACING

- \* TRACING + CONTEXT PROPAGATION
- \* STORY OF A REQUEST ACROSS SERVICES

# DISTRIBUTED TRACING



# OPENTRACING

- \* INSTRUMENTATION API
- \* VENDOR NEUTRAL SPECIFICATION
- \* PART OF THE CNCF

# OPENTRACING

\* PROJECT INTRO JUST HAPPENED

\* DEEP DIVE ON MAY 4TH, 2PM, B5-M1+3



# JAEGER

- \* CONCRETE OPENTRACING TRACER
- \* BACKEND TO RECEIVE TRACING DATA
- \* UI TO DISPLAY THE TRACE
- \* PART OF THE CNCF

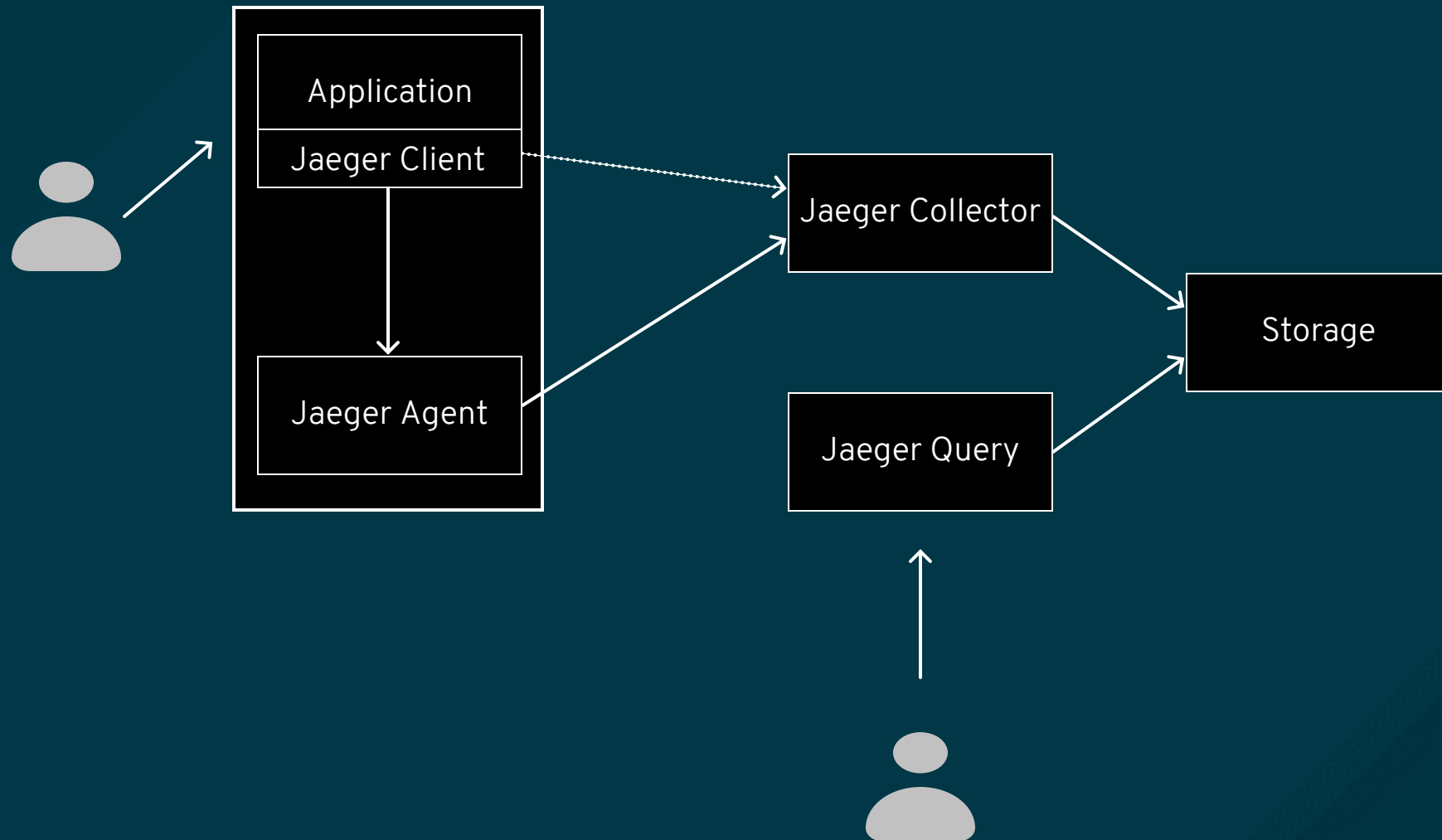
# DEMO

- \* THREE MICROSERVICES

- \* BARE METAL DEPLOYMENT

- \* ONLY FRAMEWORK INSTRUMENTATION

# JAEGER ARCHITECTURE



# JAEGER DEEP DIVE

\* TOMORROW

\* 11:10AM

\* VENUE: B4-M1+3

# Q&A

# RESOURCES

\* [GITHUB.COM/REDHAT-DEVELOPER-DEMOS/ISTIO-TUTORIAL](https://github.com/redhat-developer-demos/istio-tutorial)

\* [JAEGERTRACING.IO](https://jaegertracing.io)

\* [OPENTRACING.IO](https://opentracing.io)

