



redhat®

WHAT ARE MY MICROSERVICES DOING?

Great Indian Developer Summit

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MICROSERVICES

- * TENS, HUNDREDS OR THOUSANDS
- * AT DIFFERENT VERSIONS
- * TALKING TO EACH OTHER

MICROSERVICES

* CHAOS

OBSERVABILITY

- * METRICS

- * LOGS

- * TRACING

- * ALERTING

OBSERVABILITY

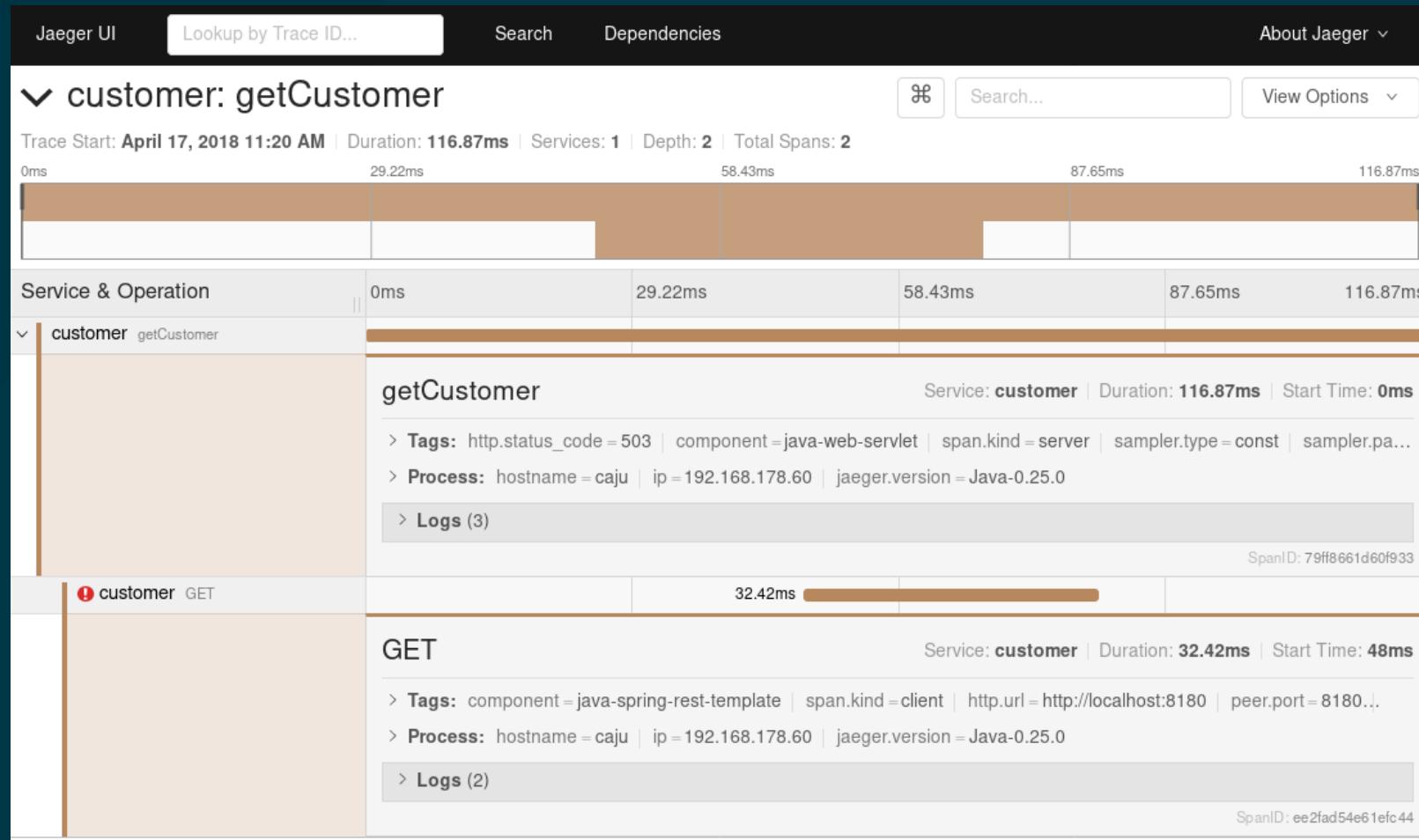
* HINT: [HTTPS://KIALI.GITHUB.IO](https://kiali.github.io)



TRACING

- * CODE INSTRUMENTATION
- * "SPAN" IS A WRAPPER AROUND A ROUTINE
- * SPAN CAN CONTAIN OTHER SPANS
- * EXPLICIT VS. IMPLICIT INSTRUMENTATION

TRACING

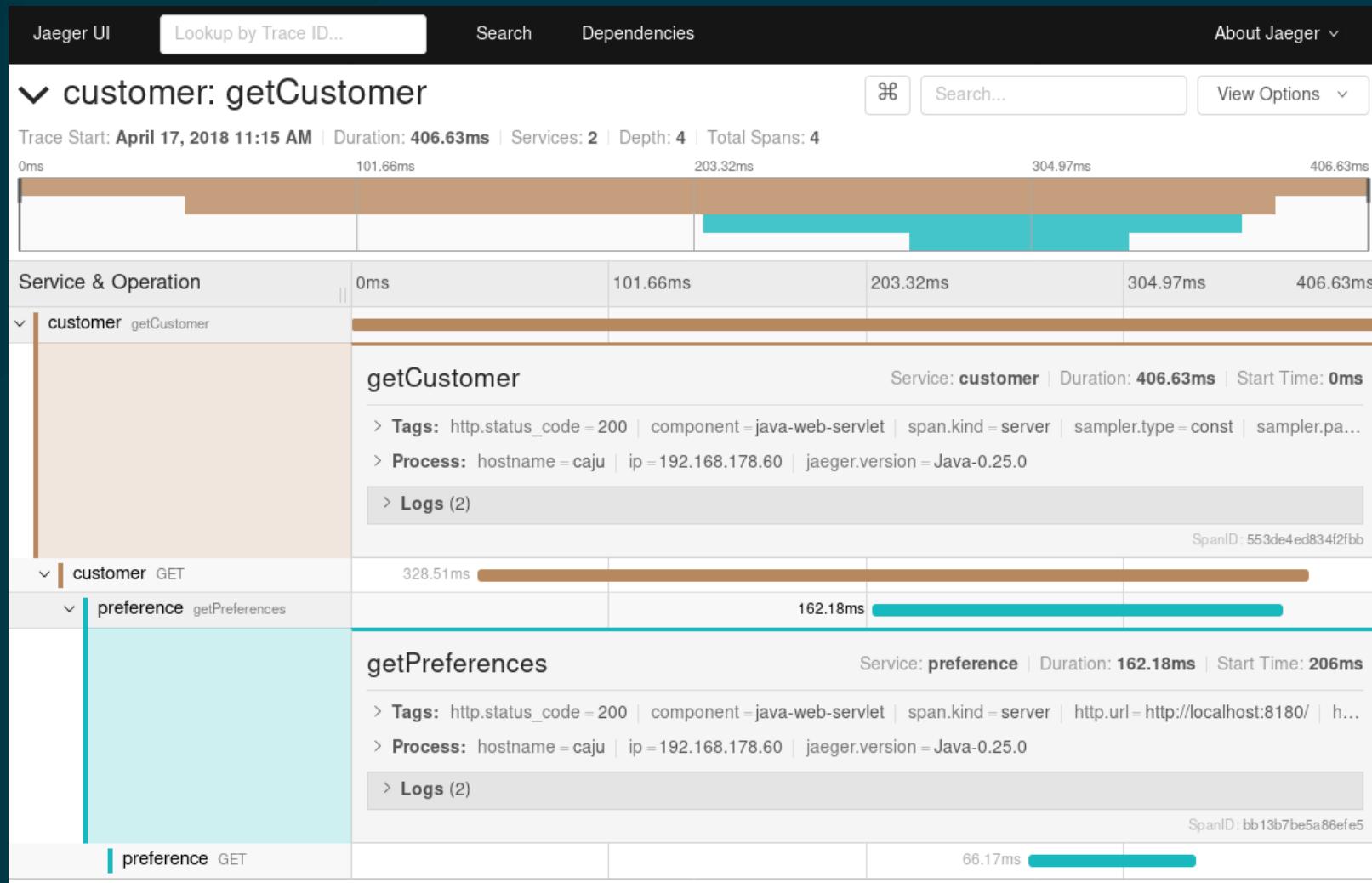


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DISTRIBUTED TRACING

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

DISTRIBUTED TRACING



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OPENTRACING

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

JAEGER

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

DEMO 1

- * BARE METAL DEPLOYMENT
- * FRAMEWORK INSTRUMENTATION

DEMO 2

- * KUBERNETES/OPENSHIFT DEPLOYMENT
- * PLUS SERVICE MESH INSTRUMENTATION

Q&A

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RESOURCES

- * GITHUB.COM/REDHAT-DEVELOPER-DEMOS/ISTIO-TUTORIAL
- * JAEGERTRACING.IO
- * OPENTRACING.IO
- * KIALI.GITHUB.IO



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