

This slide deck is visibly incomplete, clearly I suffer from procrastination. The presentation itself will hopefully be more interesting.

	Quick review
	Metrics
	Logs
	Traces
	Insert interesting illustrations
@dy	ymxzvf

# A single trace

Everyone knows this, so let's move on quickly

Insert picture of a captivatingly good trace (multi-span)

# It's only one though

Tracing as a cost-effective solution always involves sampling

Am I looking at THE trace?

#### Trace aggregate analysis

- 1. Correlating ANY characteristic of the system with metrics
- 2. Latency anomalies in context of service infrastructure
- 3. Critical path analysis => resource contention

### Correlation based on statistical analysis

Thousands of customers

Point A - Symptom: metrics out of whack

Point B - Root cause: 1 customer

How long does it take to get from point A to B?



# Latency anomalies in context of service infrastructure

Specifically applied to latency

Faulty network card in a data center

Explain your p99.99!

# Latency anomalies in context of service infrastructure

Insert visual

Remind everyone how you sample your analyzed traces is important here









Quote bhs here, make a joke that no one laughs at

It's like a traffic jam, you want to know what's holding up all that traffic!!

Thankfully there is a solution, what's the title of my talk? Who remembers? ... ... Use aggregate analysis, of course!

Really simple yet effective graphic on resource contention analysis

Will need help here, likely steal bhs' slide

### Demo time

Uh... I really need to make this demo

Show Donut as a Service (DaaS) architecture diagram here so demo makes sense

## What was this talk about?

One word, what's the one word takeaway?

Hint: it's actually 2 words



# Plug plug plug

Quick, unannoying plug about OpenTelemetry

You want aggregates? You need lots and lots and lots of traces. You think you have lots already? Not enough!

