

Dark Sky Camping: Reducing Alert Pollution with Modern **Observability Practices**

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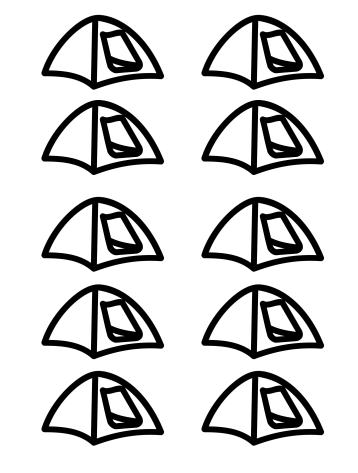
: kristinmariesmith





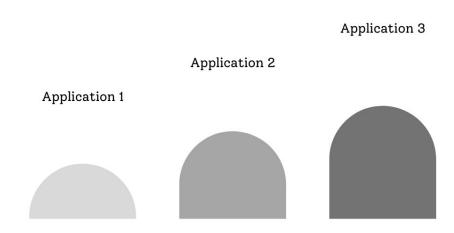






January

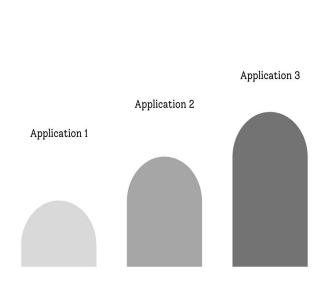
Starting Point

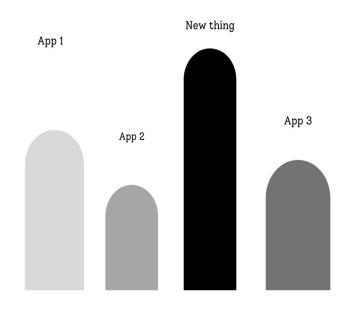




July 2021

Expectation versus Reality





Incidents...











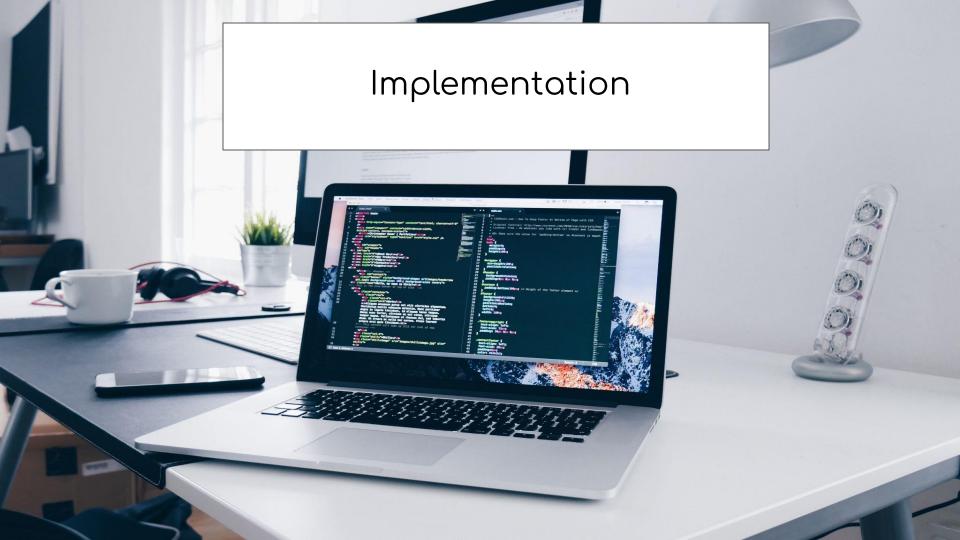


Observability Commitment

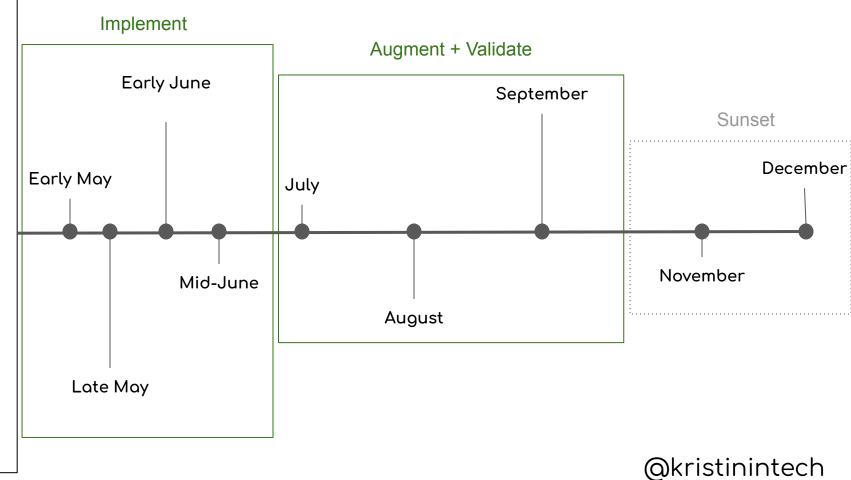
- Standardize tools everyone can use
- Focus on what matters
- Invest in asking better questions

Translated...

- Migrate from app metrics to tracing with context
- Funnel everything into Honeycomb
- All alerting goes through PagerDuty
- Aim for "good enough" customer experience (SLO's)



Summe



Onboarding Logistics

1 week of half days = 20 hrs/team

Developers + 2 operations folks (+ product owner buy-in)

Onboarding Logistics

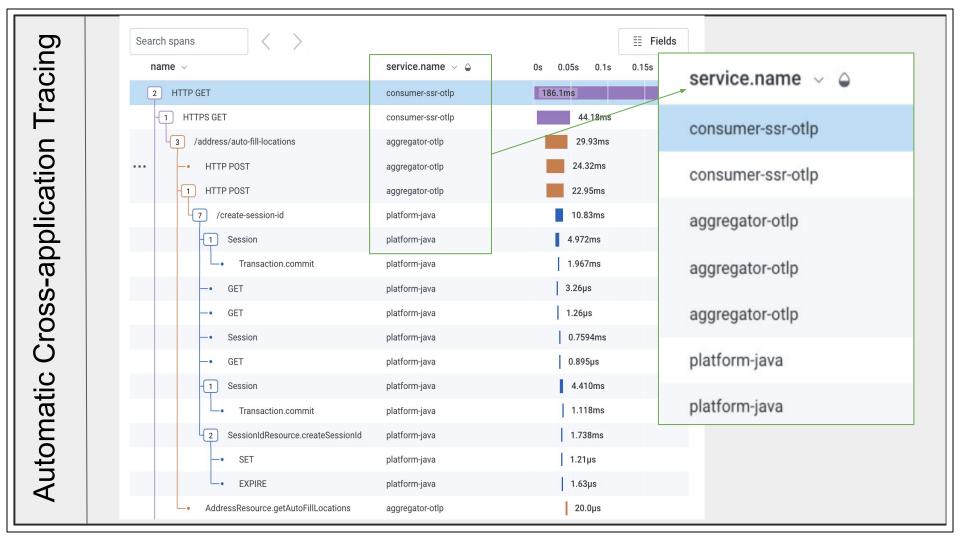
4 hours

docker-compose.yml

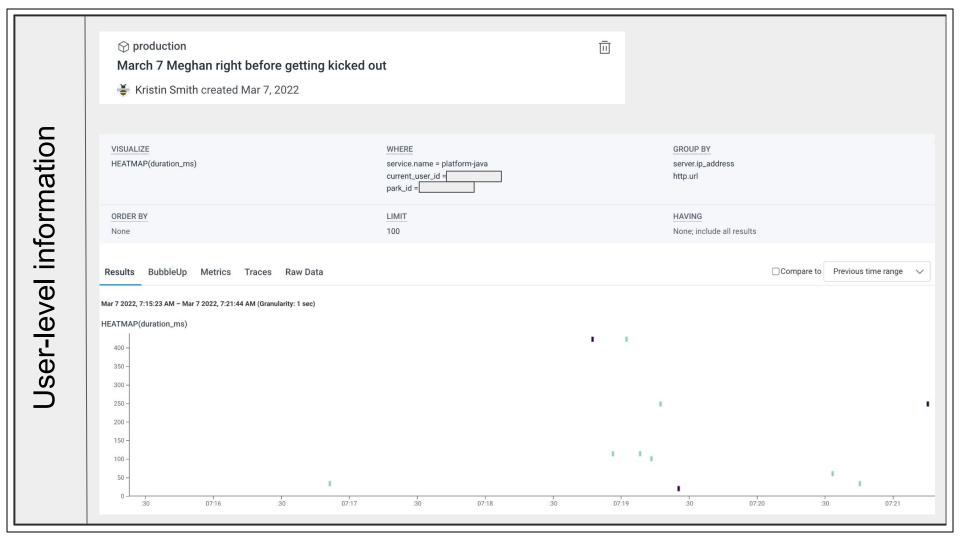
```
environment:
```

- HONEYCOMB_API_KEY=\$HONEYCOMB_API_KEY
- volumes:
 - /opentelemetry-javaagent.jar:/opentelemetry-javaagent.jar

build.gradle



```
host/client info
                                                                                  facilitates isolating
private fun initializeOpenTelemetryAttributes(parkId: Long?, slug: String?)_
                                                                                  infra/device issues
 val span = Span.current()
 span.setAttribute("client_type" RequestData.clientType.toString())
 span.setAttribute("ip_address", RequestData.ipAddress)
 span.setAttribute("session_id", RequestData.sessionId.toString())
 span.setAttribute("aggregator_session_id", RequestData.aggregatorSessionId.toString())
 span.setAttribute("park_id", _parkId.toString())
 span.setAttribute("park_slug", slug.teString())
 span.setAttribute("shopping_cart_uuid", RequestData.shoppingCartUuid.toString())
                                                                               park id makes
                                                                               communication SO
                                                                               MUCH easier between
                                                                               customers, account
          shopping_cart_uuid
                                                                               managers, and
          helps follow multiple
                                                                               developers!
          units of work in longer
          workflows
```



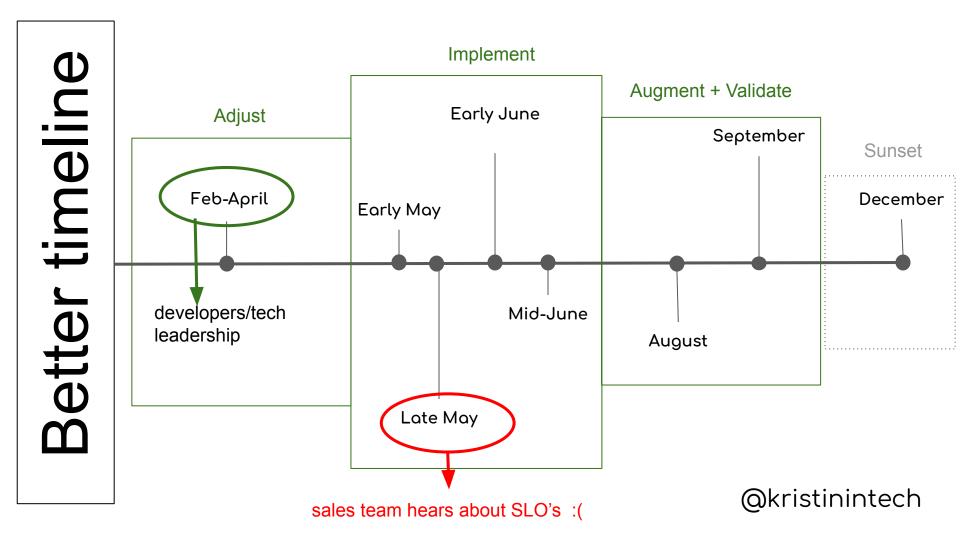








Uptime 99.999%



"We know we had a problem - we added more monitoring"

- tech team









Follow-up Links:

Connect with me:

- @kristinintech
- Ll: kristinmariesmith

What we're doing at Campspot: software.campspot.com

Stars: <u>darksky.ora</u>