

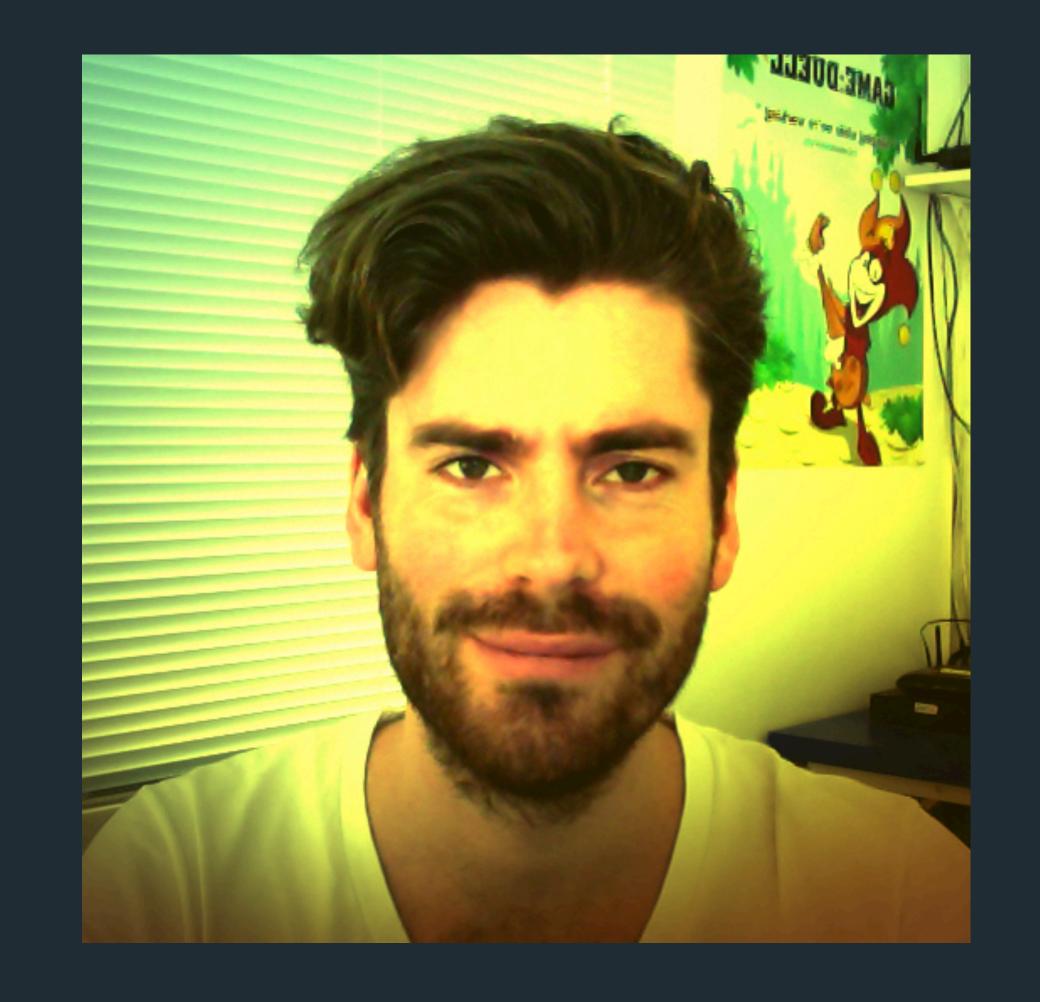
Distributed Tracing

Thomas Watson @wa7son



Who am!?

- Thomas Watson
- Open Source developer at github.com/watson
- Software Engineer at Elastic
- Elastic APM Node.js agent
- Node.js Core Member
- Tweets as @wa7son





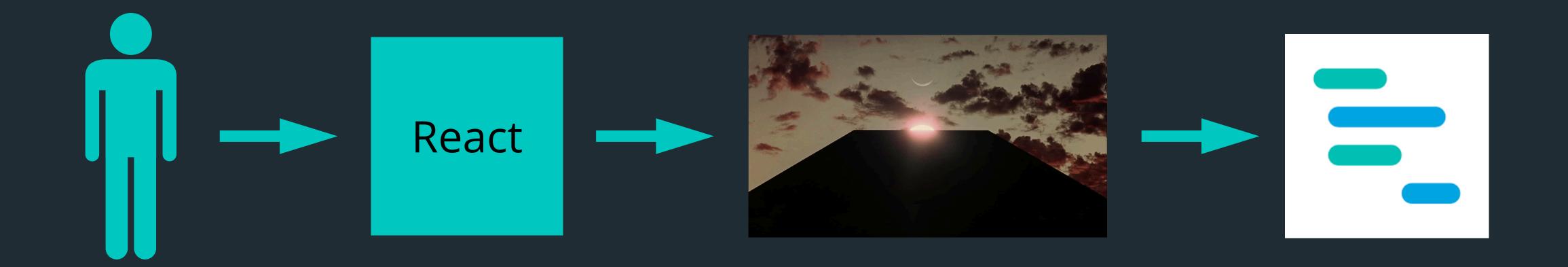


Tracing The Monolith

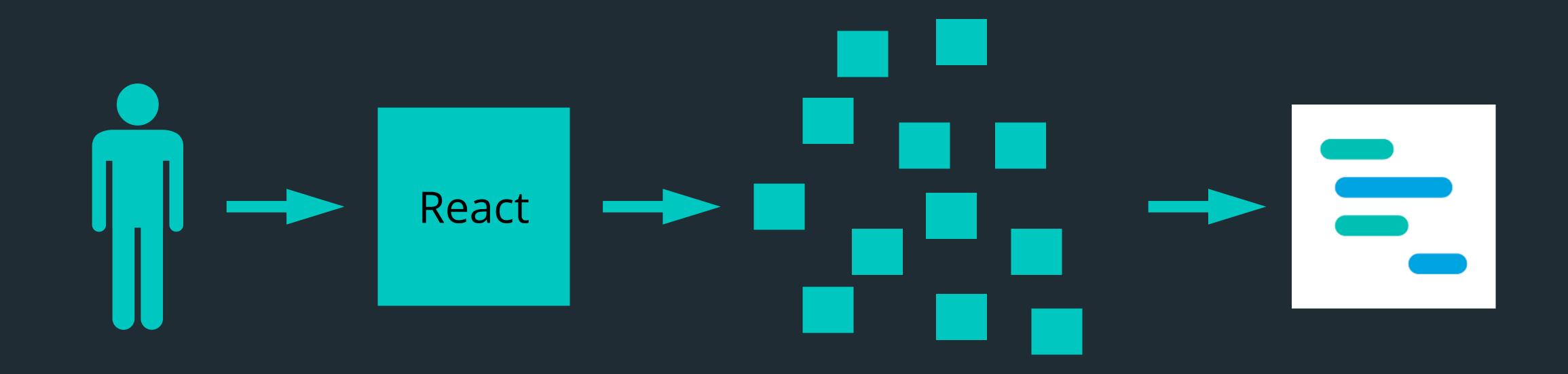




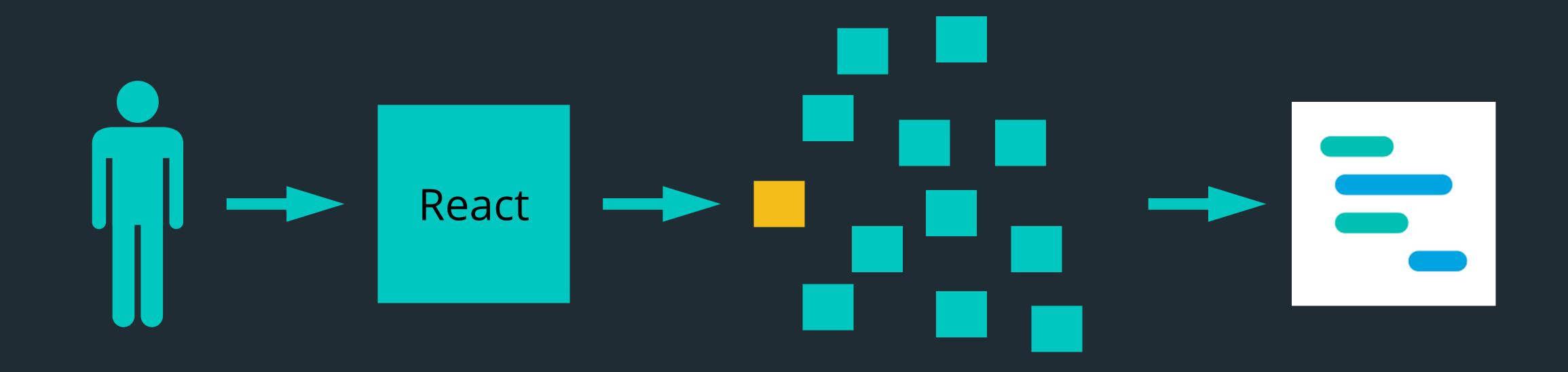
Tracing The Monolith



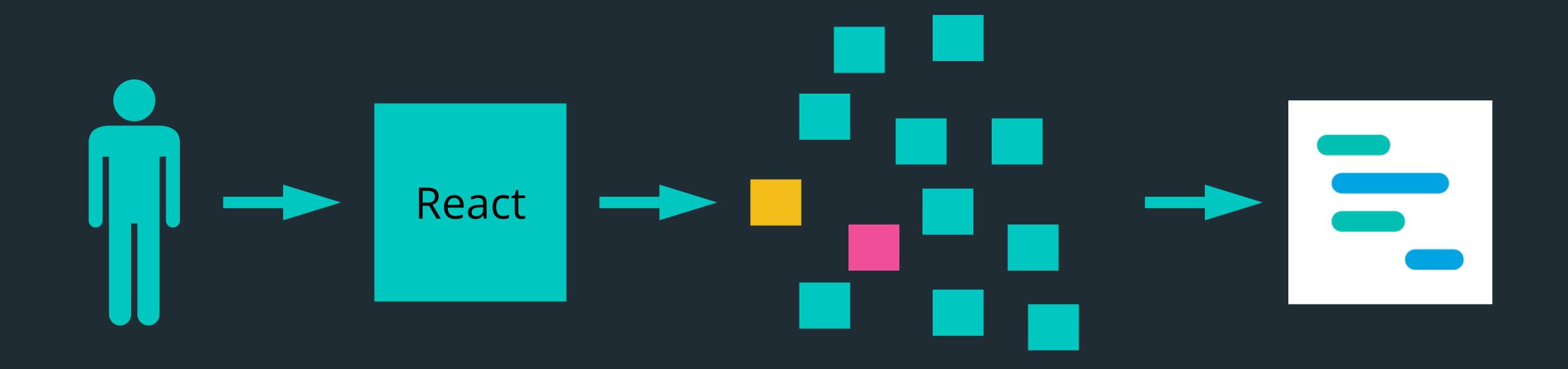




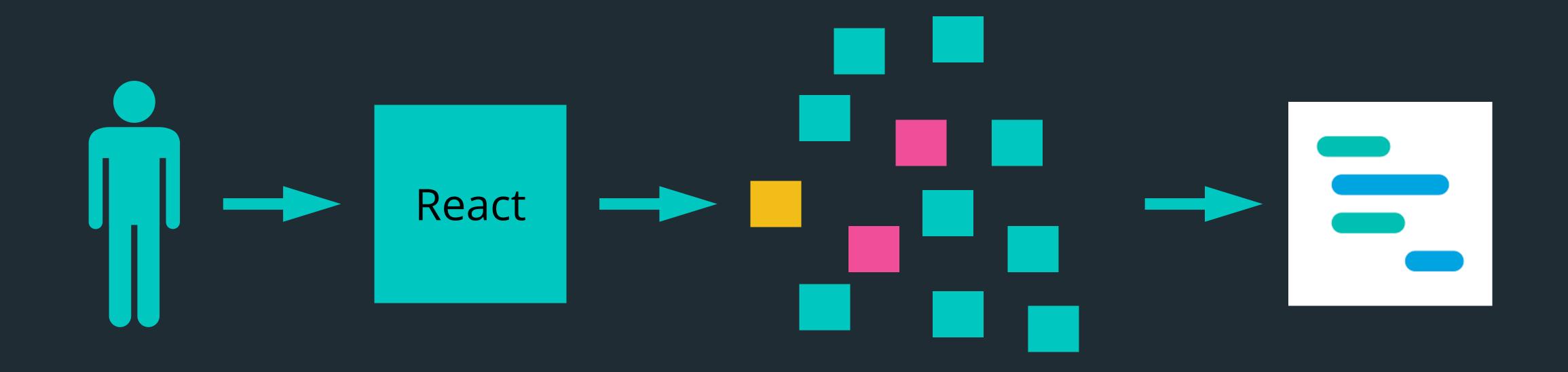




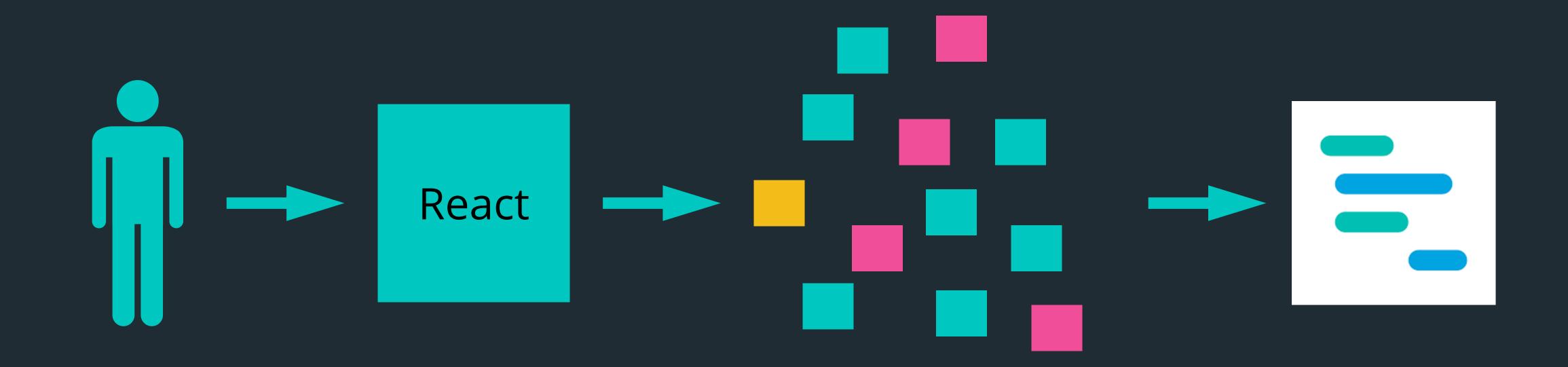










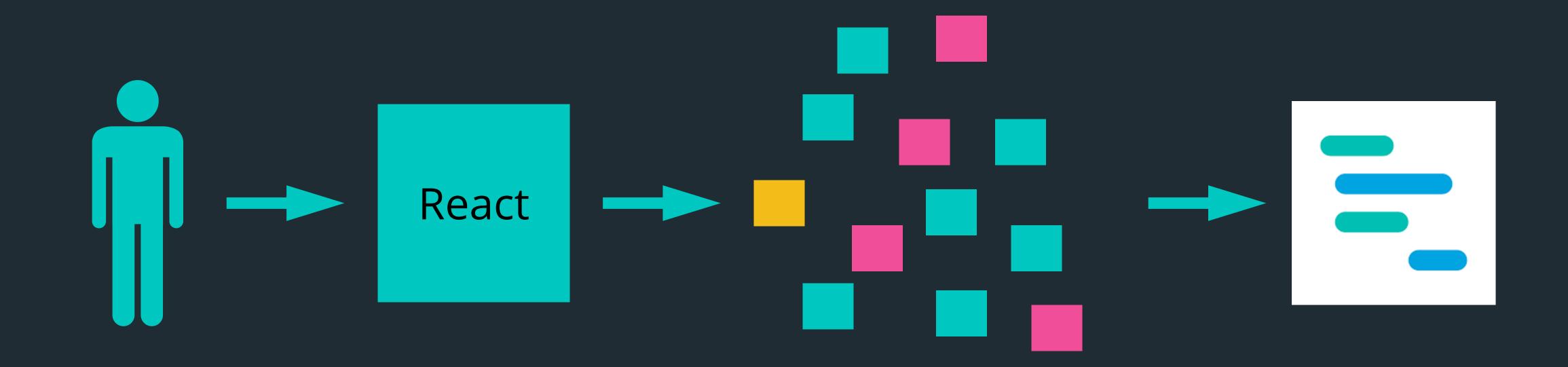




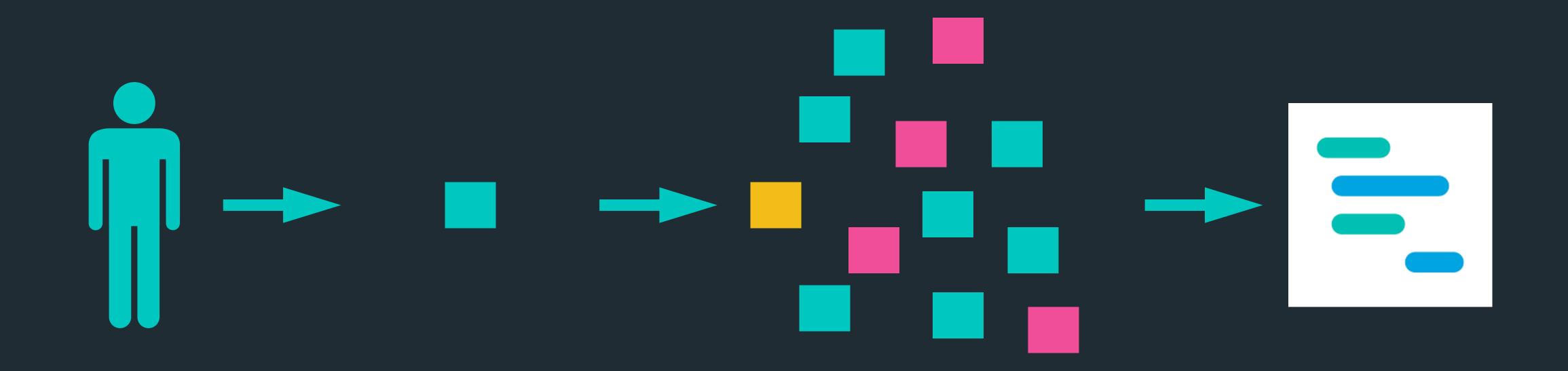
Distributed Tracing

(version 6.5)

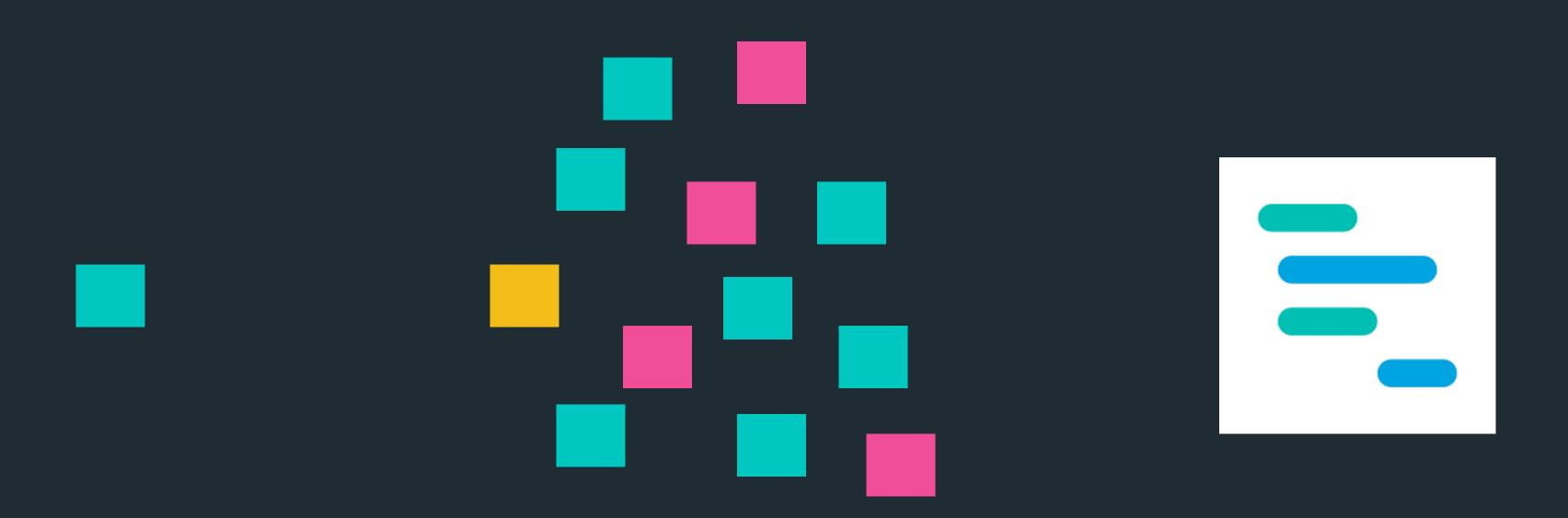
















GET /products HTTP/1.1

Host: www.example.com

traceparent: 00-82c5500f40667e5500e9ae8e9711553c-992631f881f78c3b-01

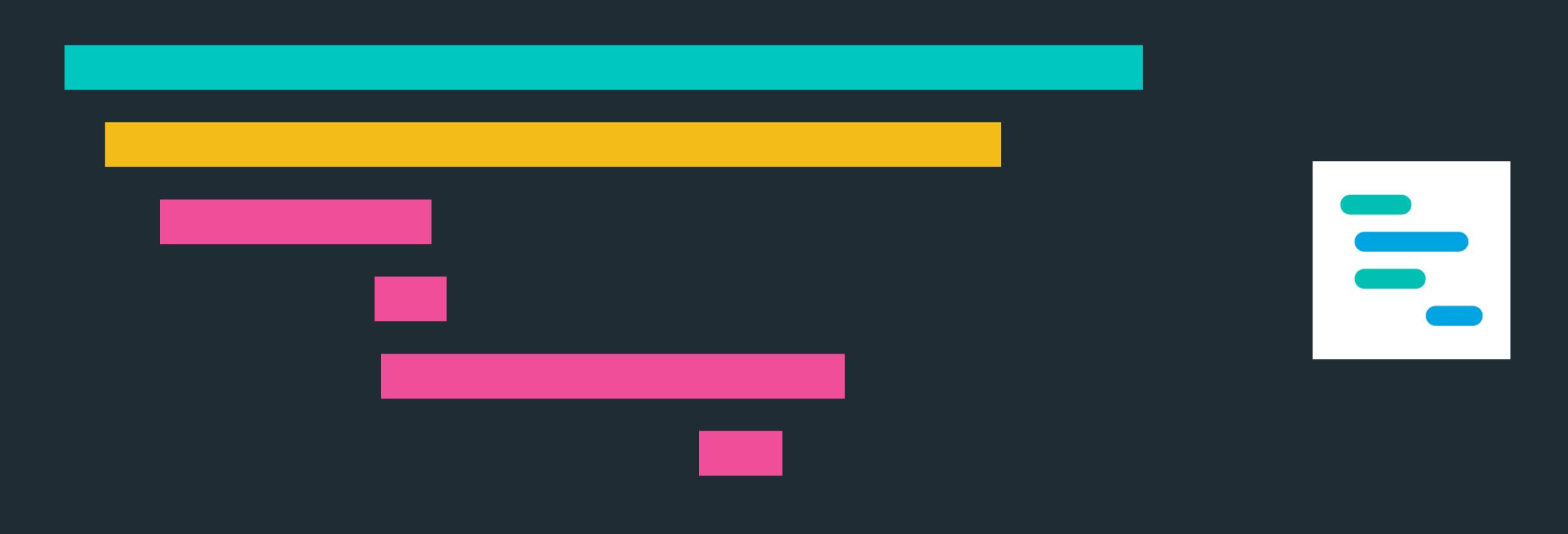
Date: Mon, 29 Oct 2018 16:11:05 GMT

Connection: keep-alive

Content-Length: 0









Distributed Tracing in Elastic APM 6.5

- Supported languages
 - Node.js
 - Python
 - Ruby
 - Java
 - Go
 - RUM JavaScript (frontend)
- Transports
 - HTTP



Distributed Tracing in Elastic APM 6.5

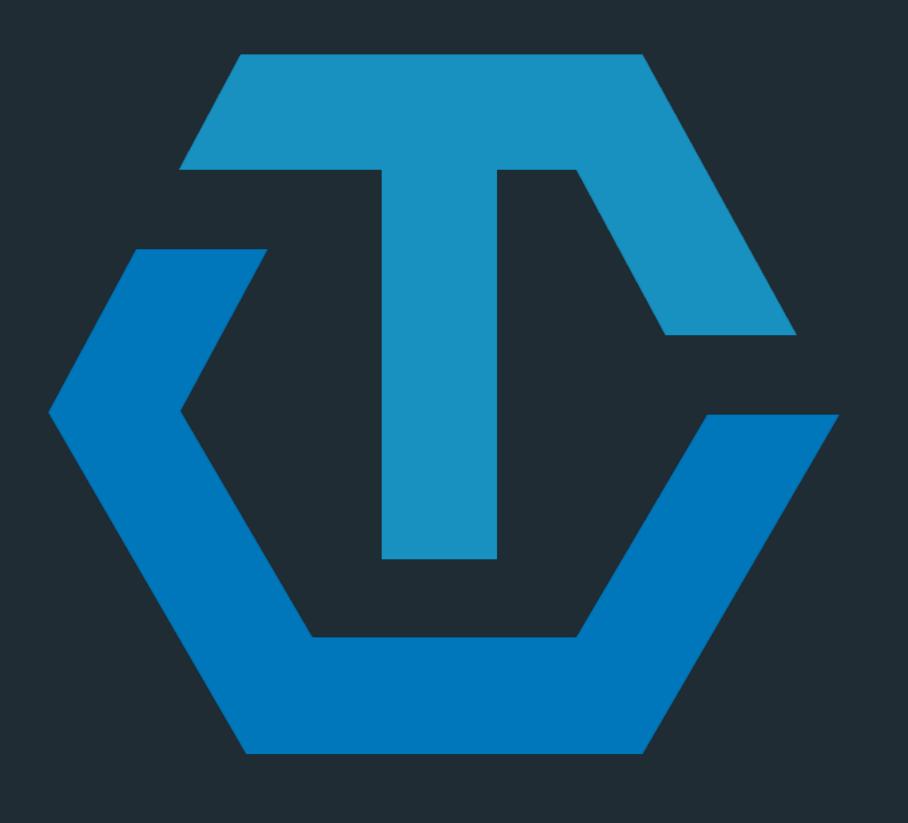
- Supported languages
 - Node.js
 - Python
 - Ruby
 - Java
 - Go
 - RUM JavaScript (frontend)
 - Coming: .NET
- Transports
 - HTTP



Standards

within Distributed Tracing





OPENTRACING



Open Census





Trace Context Working Group



Demo



How to upgrade



elastic.co/products/upgrade_guide



Roadmap

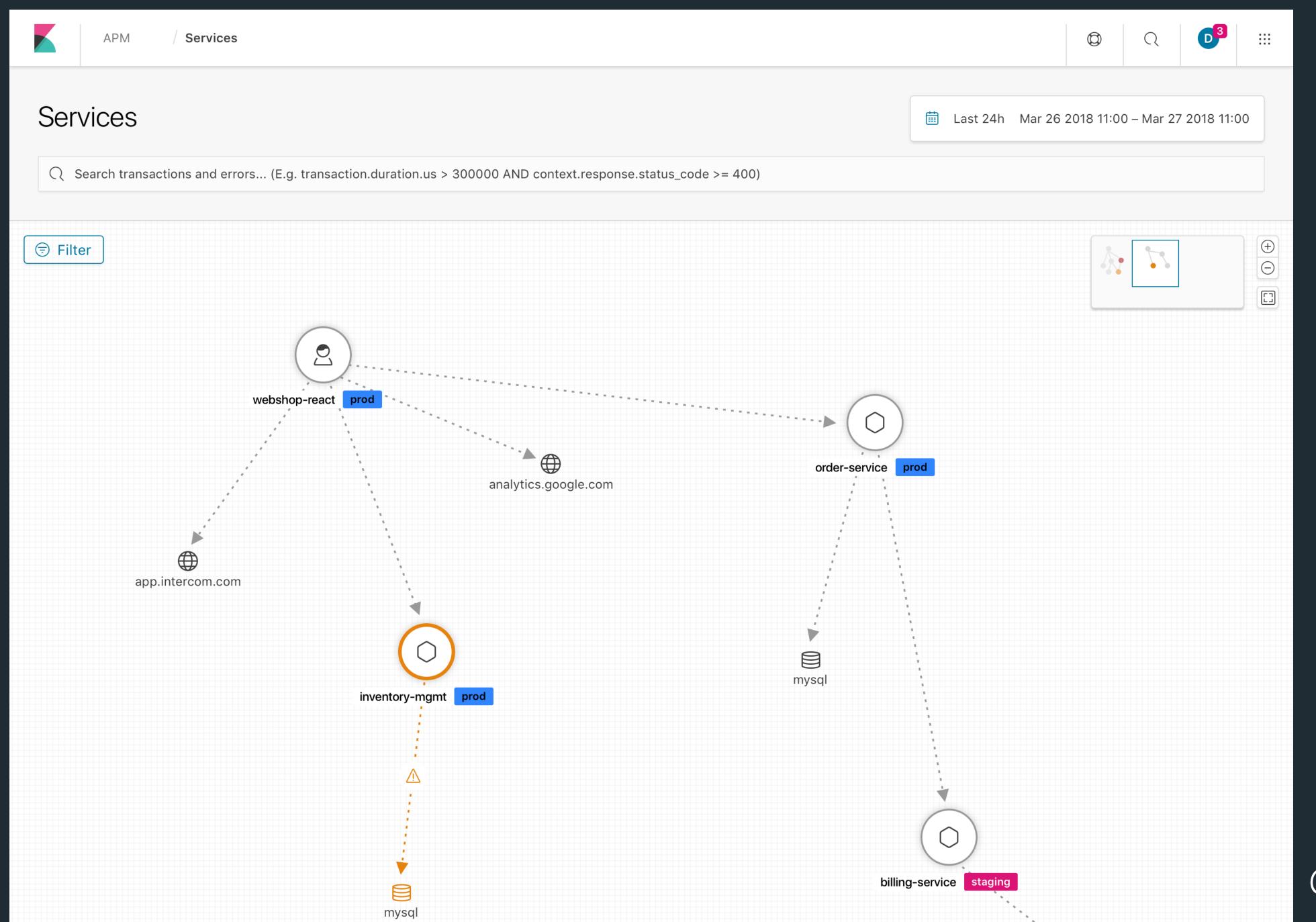


.NET Agent



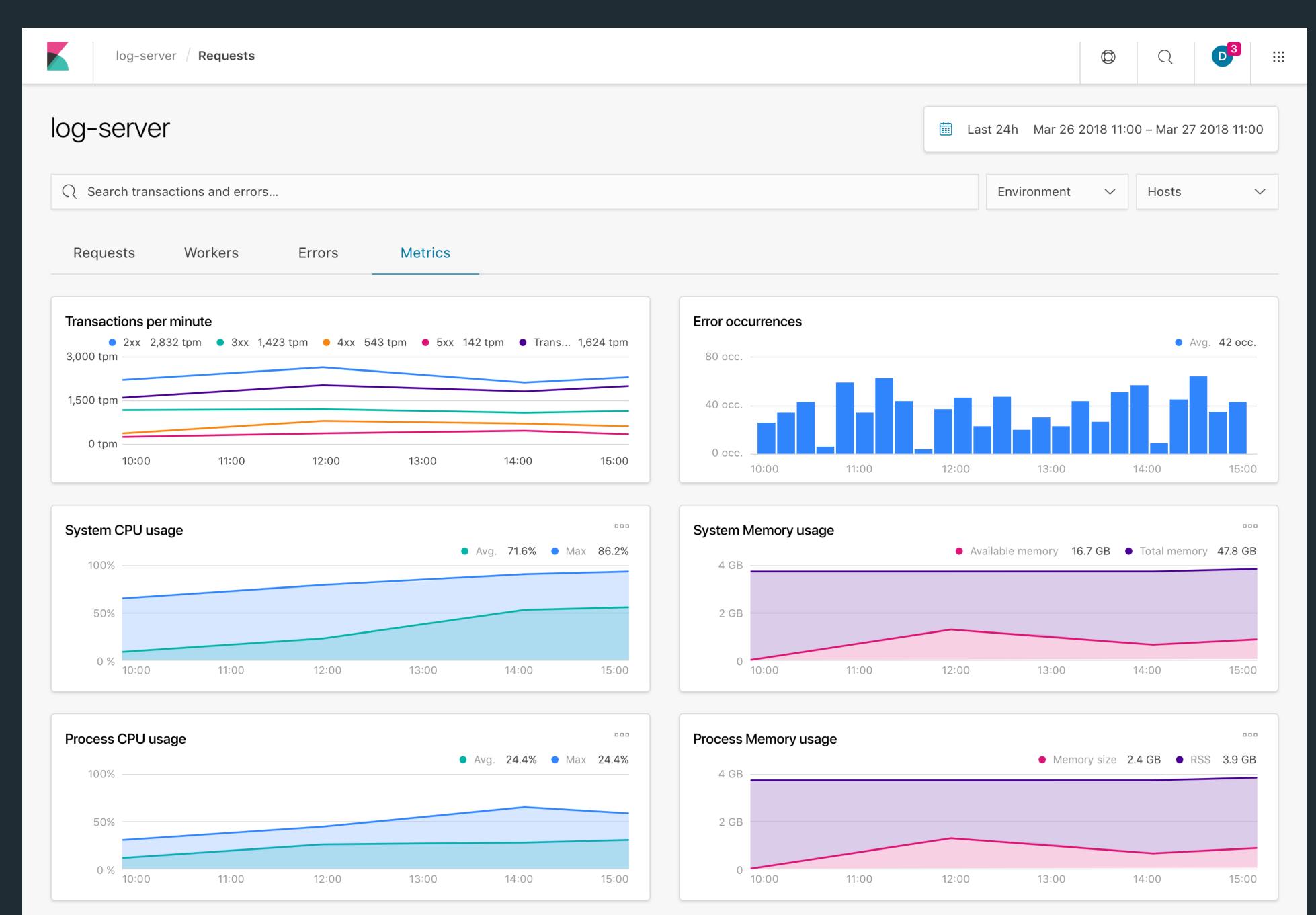
Logging vs APM







@wa7son







More information

elastic.co/guide/en/apm/get-started



discuss.elastic.co





Getting involved







github.com / elastic / apm



Thank you





