

LOG TRACING in microservices architecture

SPRING CLOUD SLEUTH AND ZIPKIN



Spring Cloud Sleuth

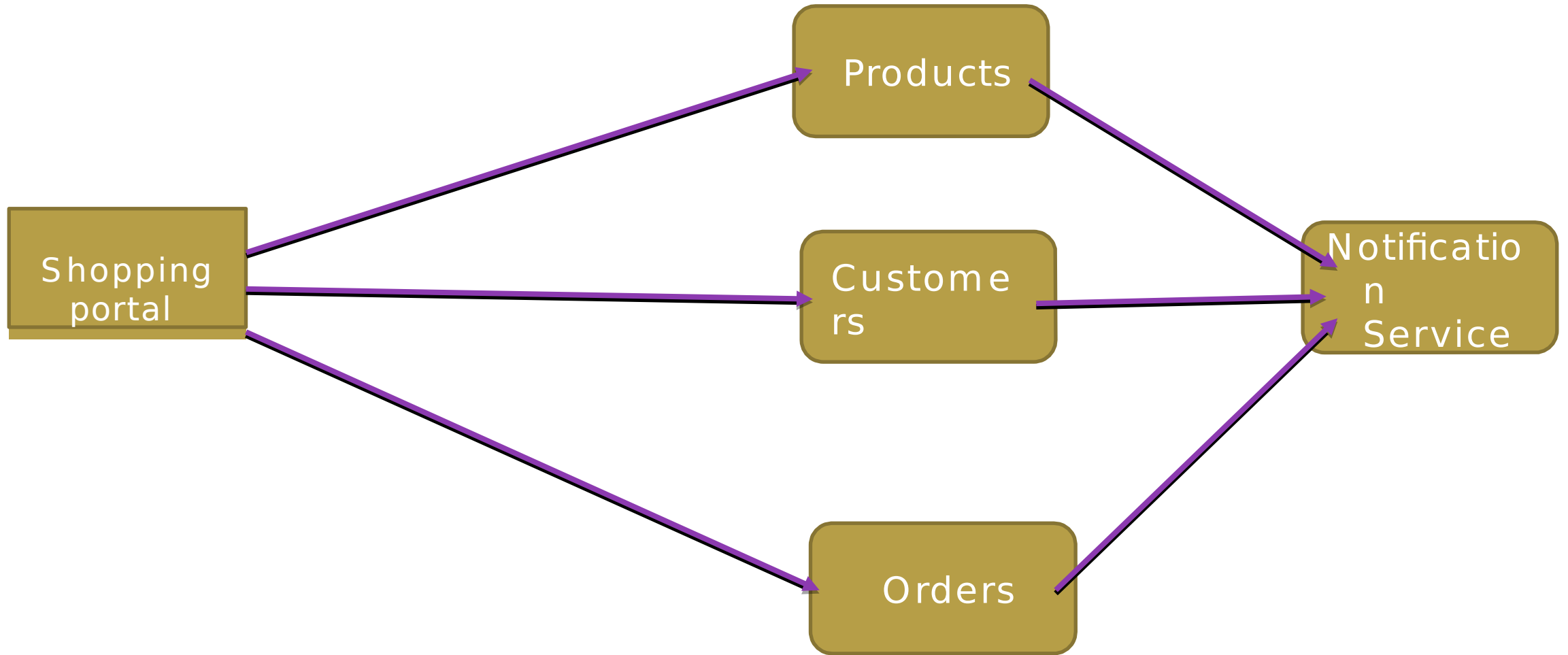


Rajeev Gupta MTech CS
Rgupta.mtech@gmail.com

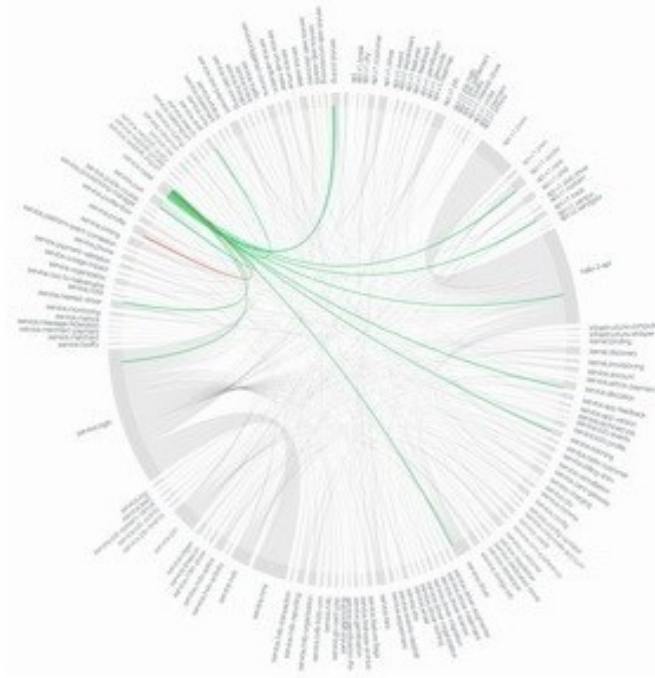
Real life problem

- Issue on web
- Support people
- Maintenance
- team QA
- Developer

Microservices architecture & Request tracing



450 microservices

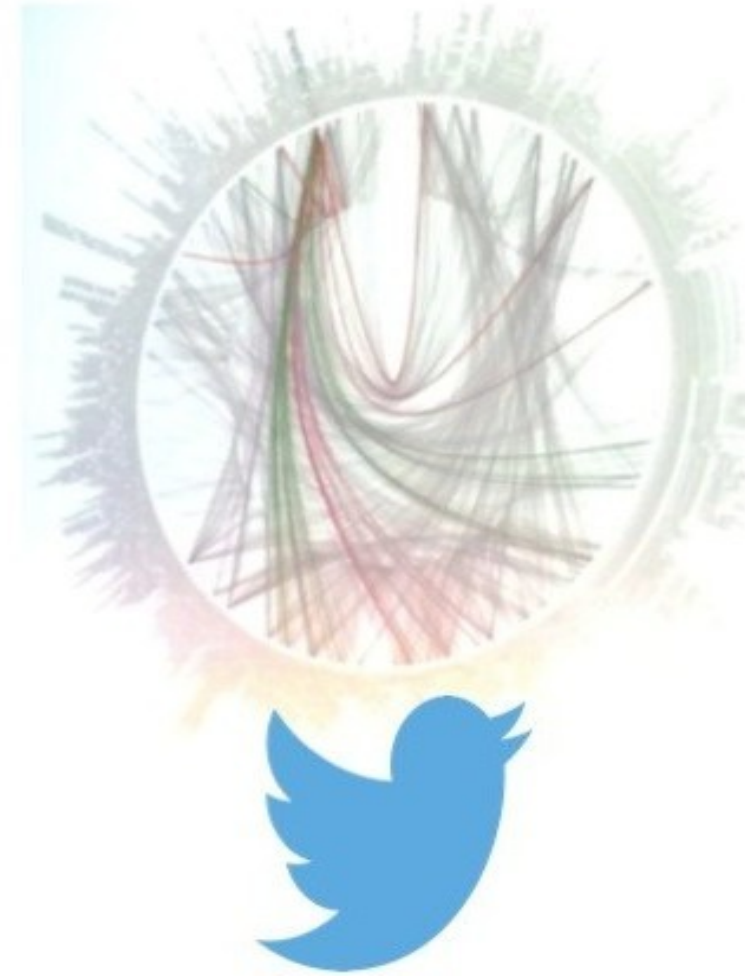


500+ microservices



NETFLIX

500+ microservices



Source:

Netflix: <http://www.slideshare.net/BruceWong3/the-case-for-chaos>

Twitter: <https://twitter.com/adrianco/status/441883572618948608>

Hail-o: <https://sudo.hailoapp.com/services/2015/03/09/journey-into-a-microservice-world-part-3/>

DISTRIBUTED LOG TRACING SYSTEM

Spring cloud sleuth introduction

Spring cloud sleuth: Terminology

- Spring Cloud Sleuth implements a distributed tracing solution for Spring Cloud
- **Span:**
 - The basic unit of work. unique 64-bit ID
 - Also have metadata
- **Trace:**
 - A set of spans forming a tree like structure
 -

Diagram

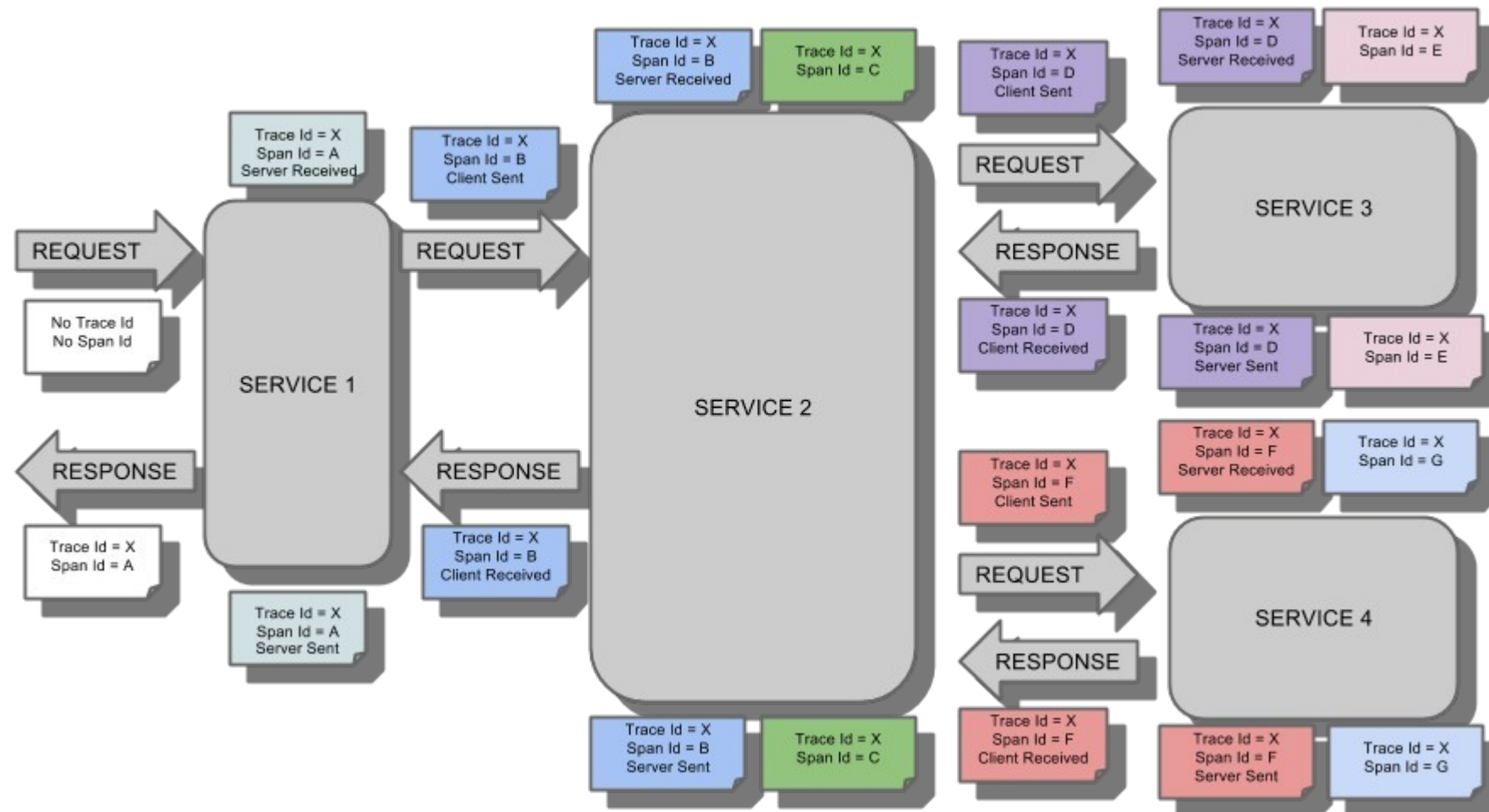
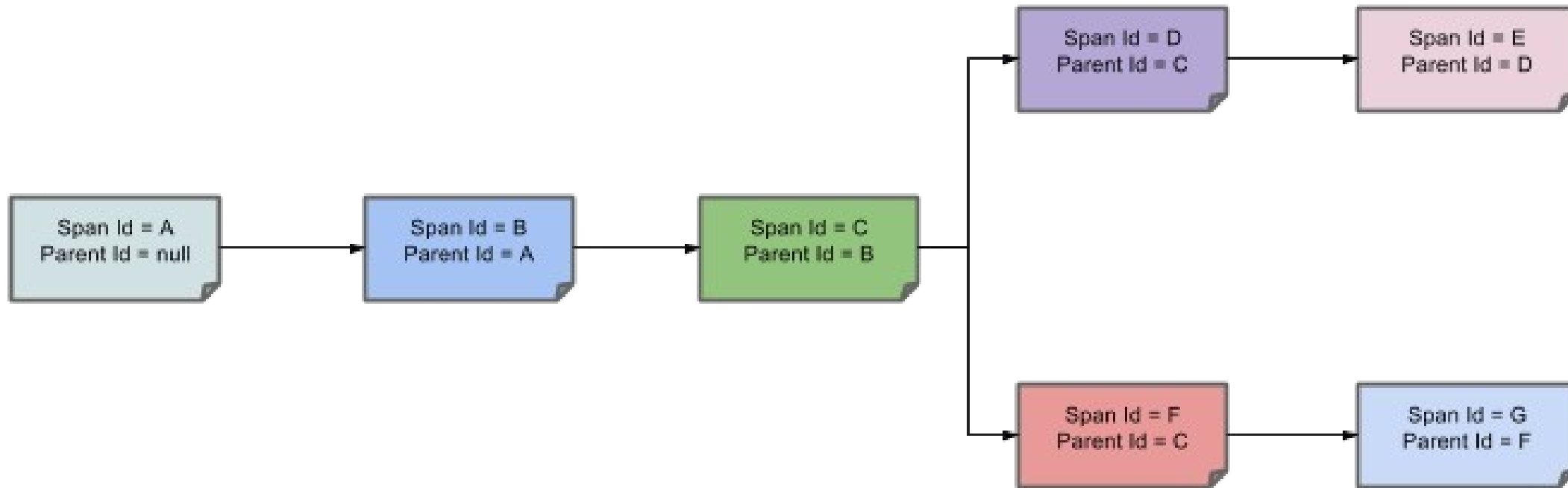


Diagram..



Microservices architecture & Request tracing

