Add instructor notes here.

Performance Issues Using
Distributed Tracing

Capgemini

Objective

Role of tracing in microservices

What is Spring Cloud Sleuth?

Adding Spring Cloud Sleuth to a project

Visualizing latency with Zipkin

Adding Zipkin to a solution

Role of Tracing in Microservices Locating misbehaving components Observe end to end latency Understand actual,not specified behavior

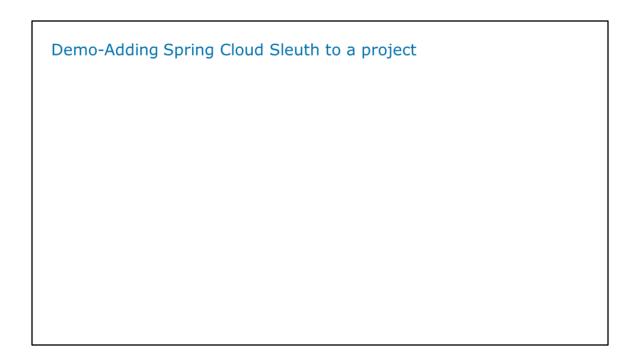
What is Spring Cloud Sleuth

Spring Cloud Sleuth implements a distributed tracing solution for Spring Cloud, borrowing heavily from Dapper, Zipkin and Htrace

Sleuth should be invisible, and all your interactions with external systems should be instrumented automatically.

Glossary of Spring Cloud Sleuth Terms

- 1.Span
- 2.Trace
- 3.Annotation
 - a. Client Sent
 - b. Server Received
 - c. Server Sent
 - d. Client Received



Visualizing latency with Zipkin

Zipkin is created by Twitter, OpenZipkin public fork.

Collects timing data

Shows service dependencies

Visualize latency for spans in trace

Many integrations, besides Spring

Demo-Adding Zipkin to a solution	