Microservices with Spring Cloud Spencer Gibb, Pivotal













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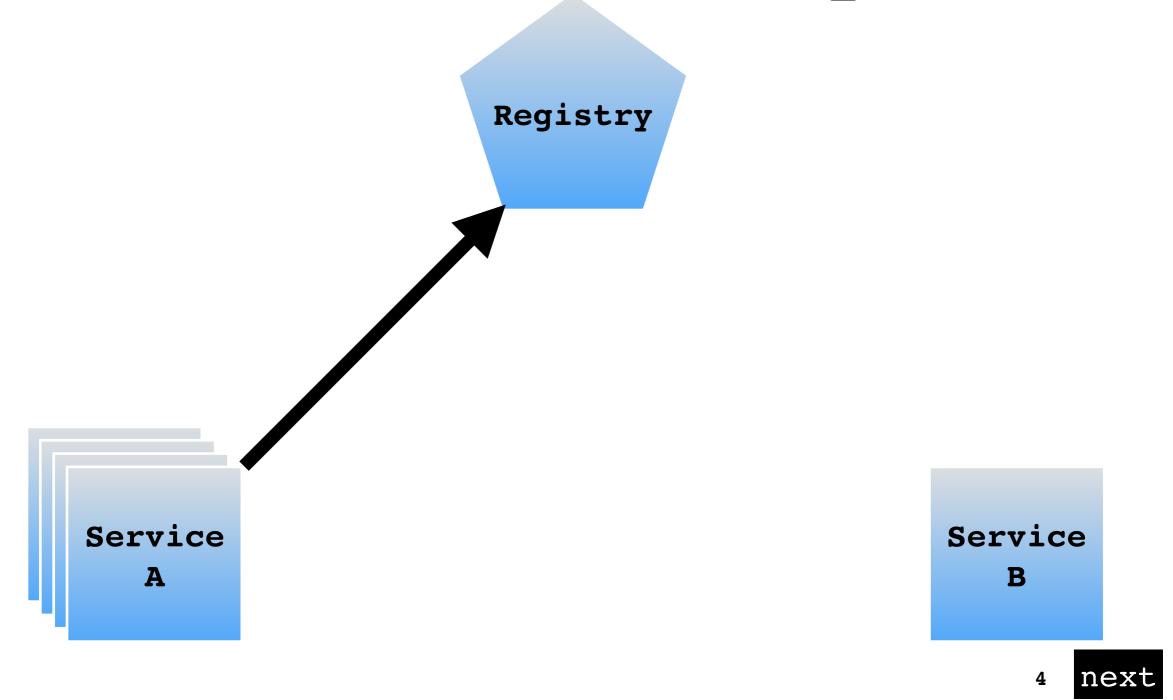
02

Consul Discovery & Configuration

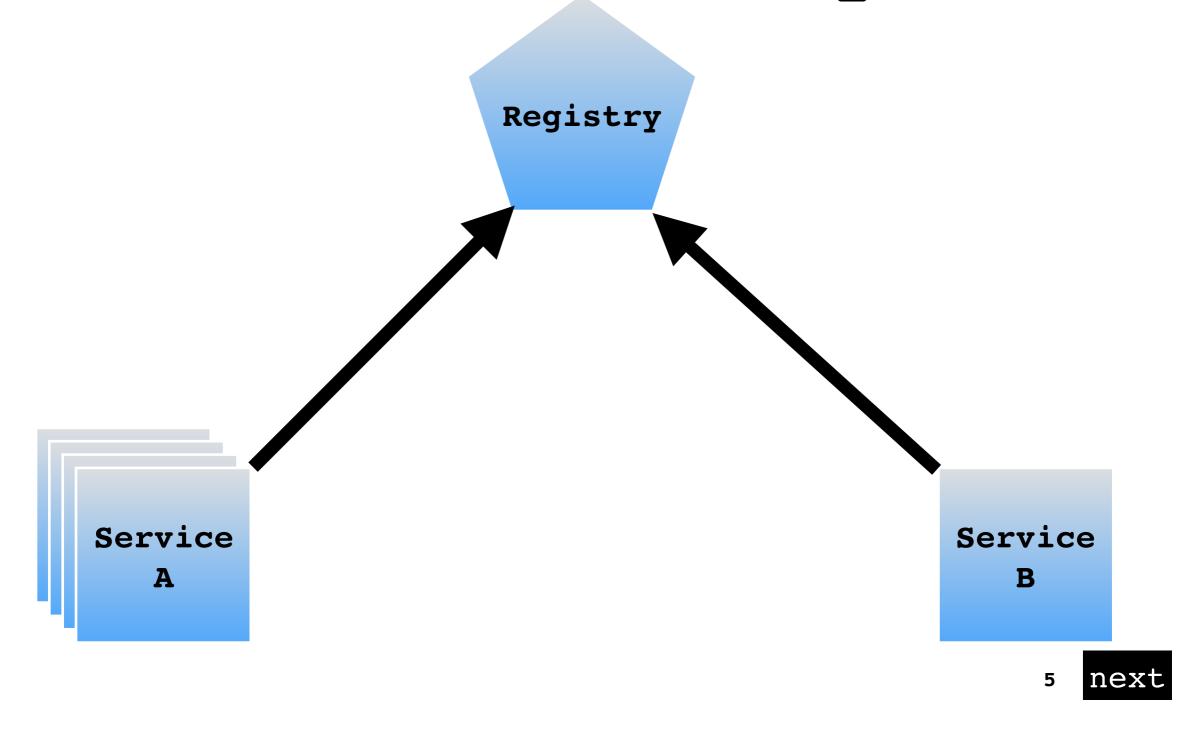
Zookeeper Discovery &

Configuration

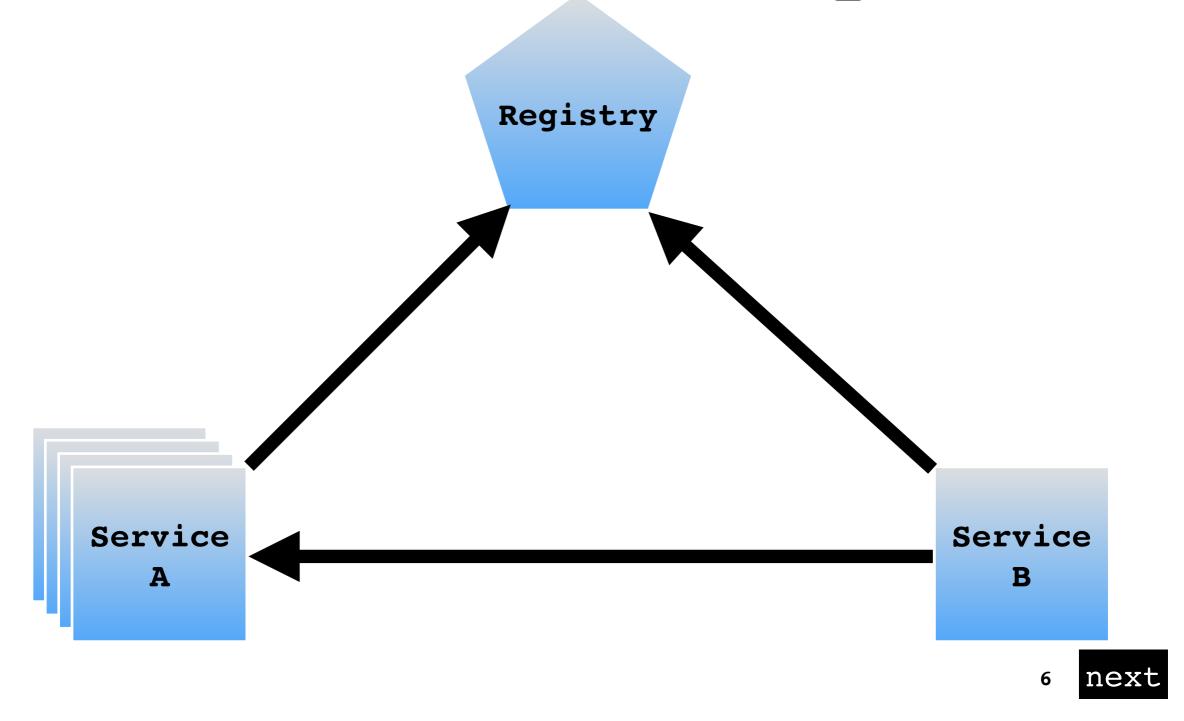
Service Registration & Discovery



Service Registration & Discovery



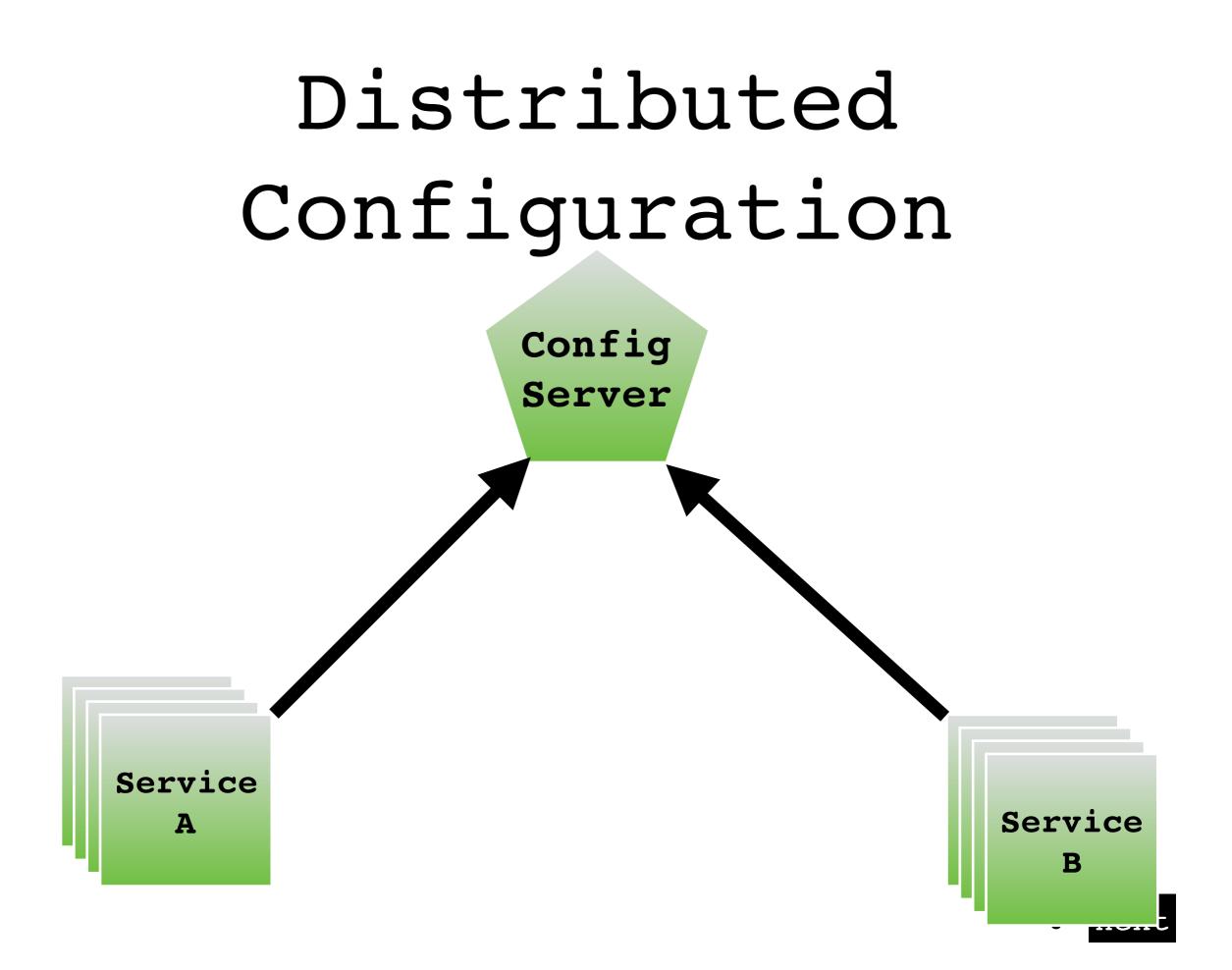
Service Registration & Discovery

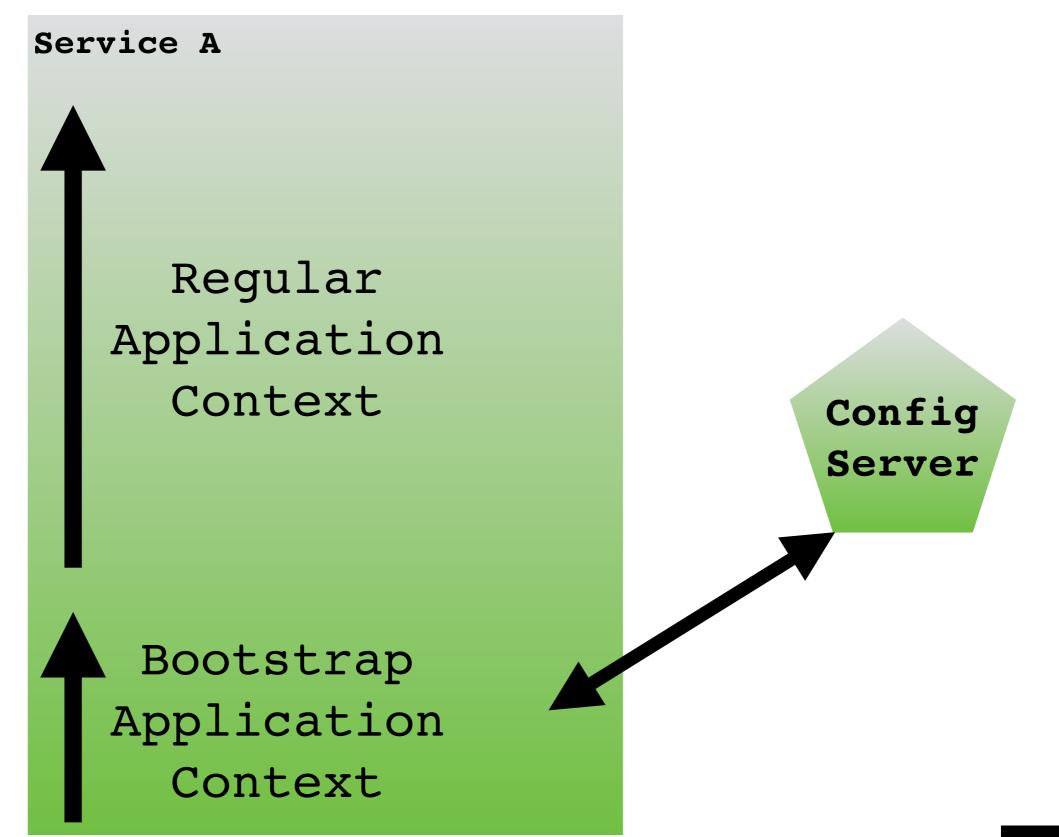


DiscoveryClient

@EnableDiscoveryClient

ServiceInstance si =
discoveryClient.choose("serviceId")



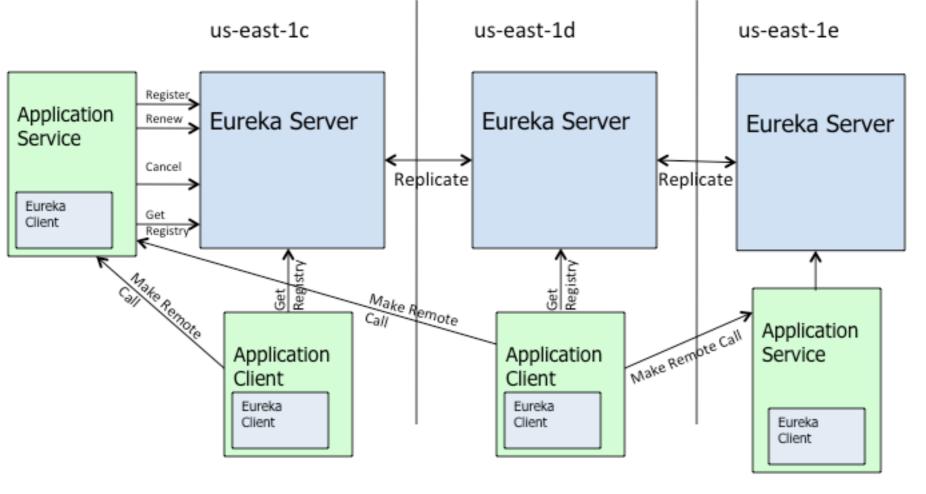


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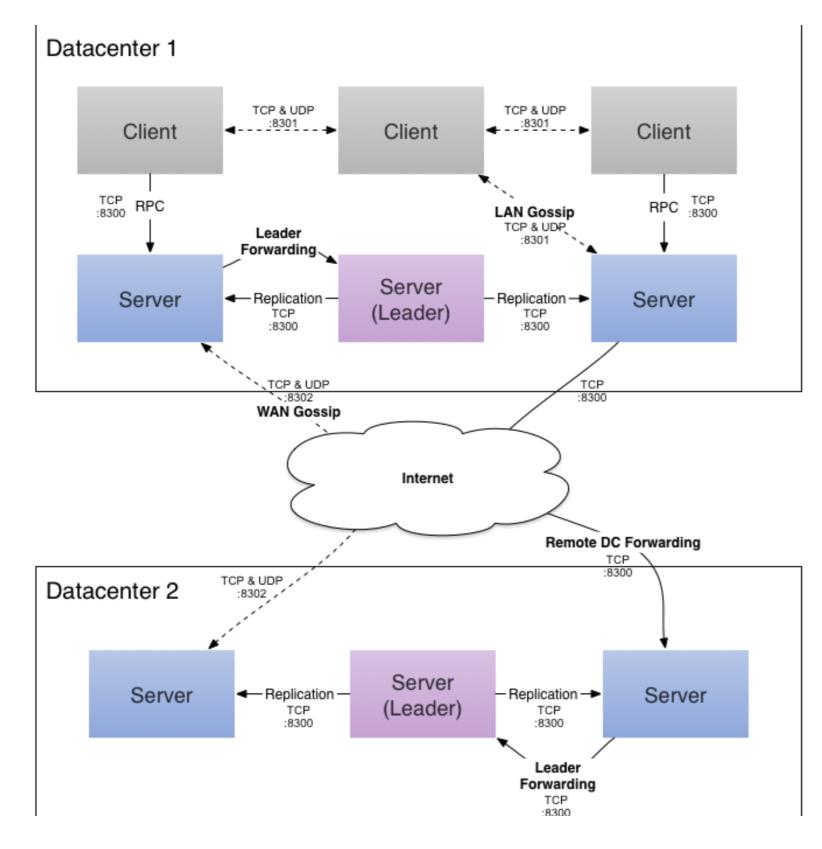
Environment

@ConfigurationProperties

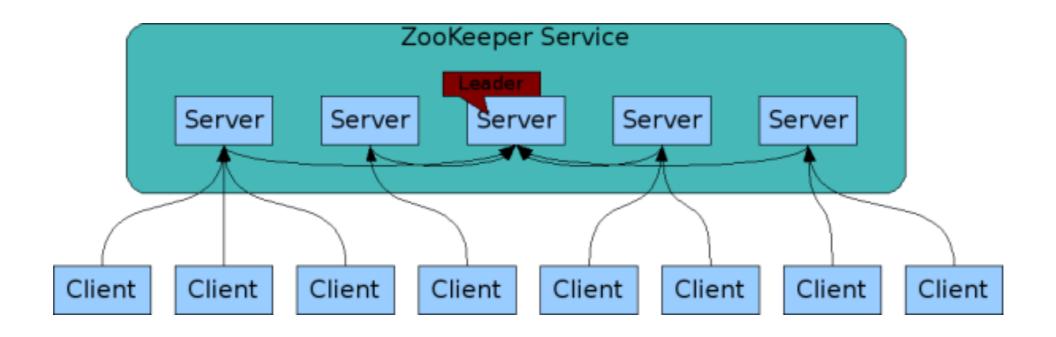
@Value



Eureka NETFLX



Consul Hashicorp



Zookeeper





Spring Cloud Sleuth

- Via Josh Long @starbuxman
- Sleuth is a distributed tracing framework: propagate correlation IDs across processes to understand request path
- Sleuth has traces (aggregate journey of a request) and Spans (each hop in journey from egress to ingress point)
- Sleuth Stream marshals captured Sleuth Spans over a Spring Cloud Stream binder (RabbitMQ, Kafka, etc.)
- Stream Zipkin takes marshaled Spans & writes to Zipkin DB for analysis
- Once you have instrumented nodes emitting Spans via Sleuth Stream to Zipkin Stream server, fire up https://github.com/openzipkin/zipkin/tree/ master/zipkin-web

