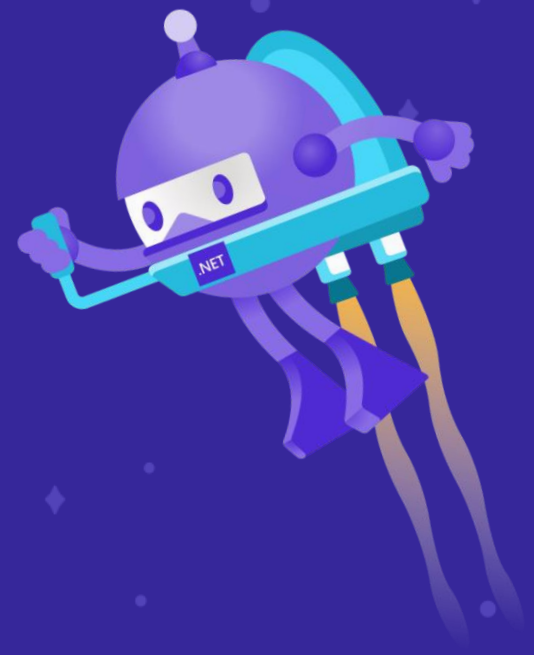


.NET Conf 2022 x Seoul

풀 스택과 **사랑**에 빠질 준비, 되셨나요?

마이크로서비스에서도 개발 비용 챙길 수 있어! Dapr!

김상현



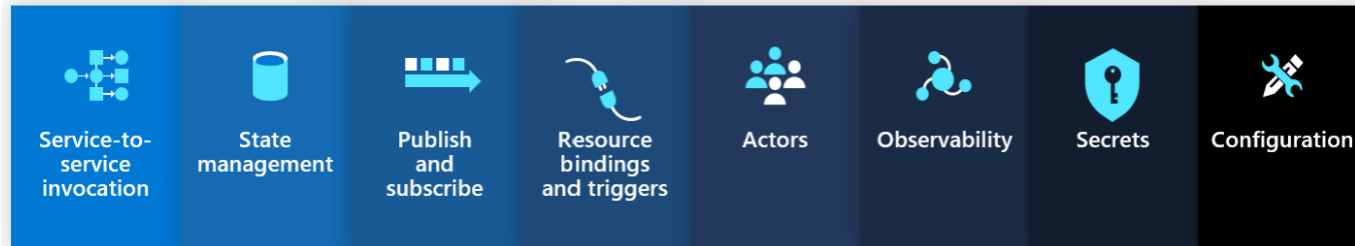
마이크로서비스 아키텍처를 계획하면
암묵적으로 수반해야 하는 다양한 도구와
해결해야 할 과제들이 있다!

Dapr (Distributed Application Runtime)

- 포터블, 이벤트-드리븐 런타임
- 복원력 있는 상태 저장, 비저장 앱 작성 지원
- 다양한 언어 및 프레임워크 지원

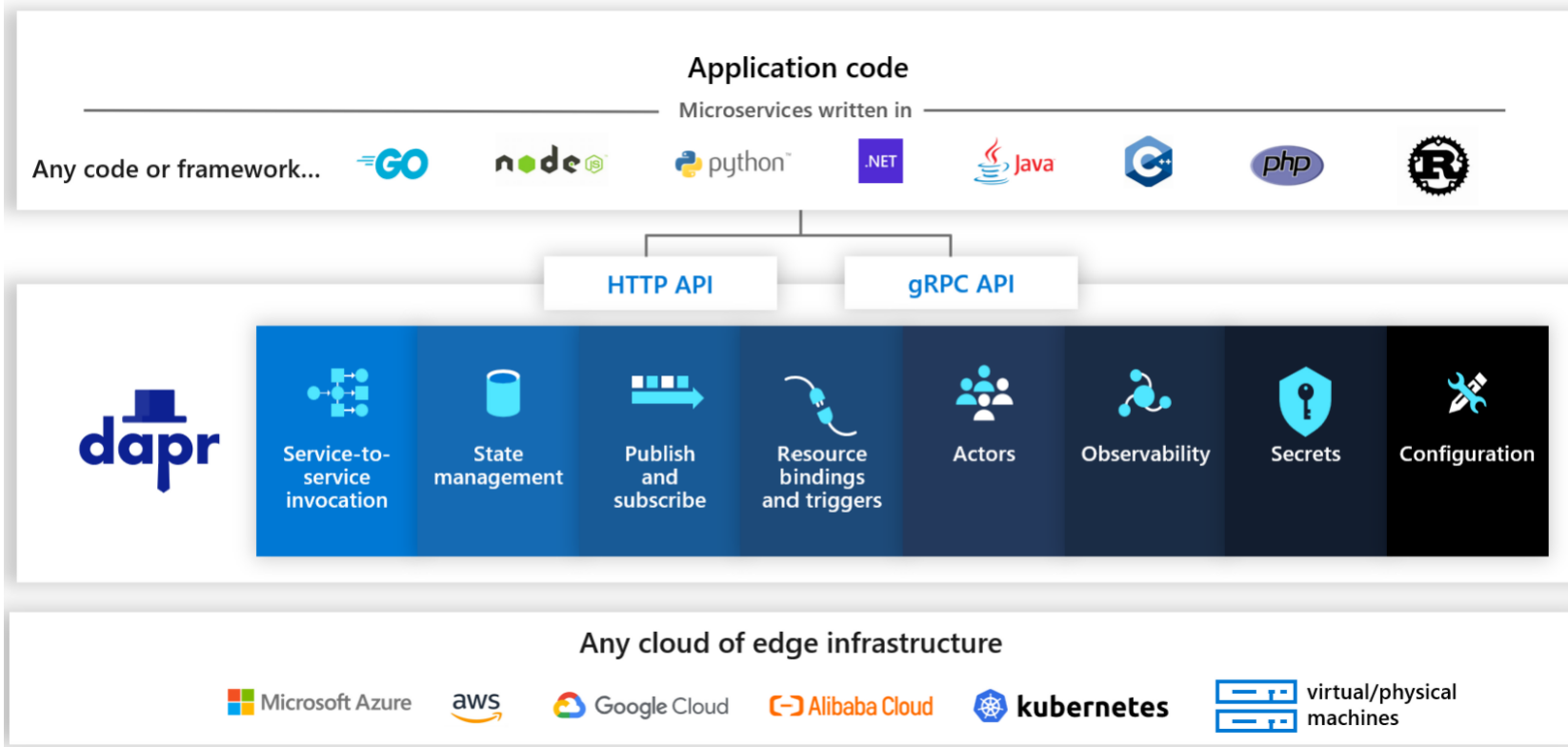


Dapr가 제공하는 명시적인 것, 암묵적인 것



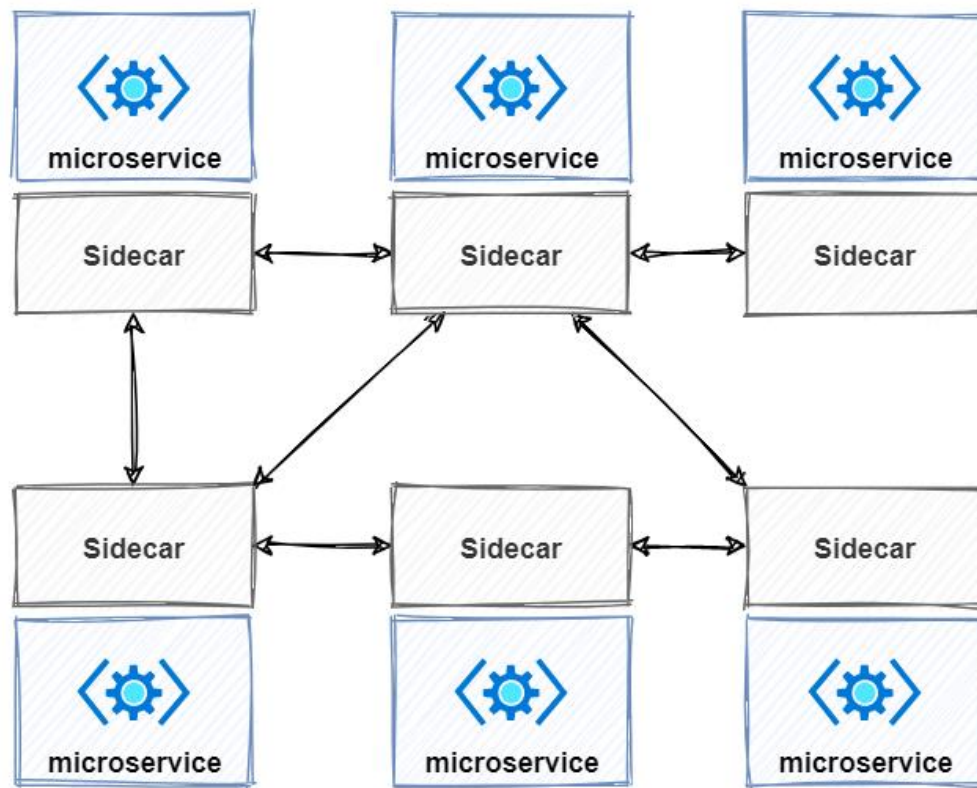
- mTLS
- 복원력
- 메트릭
- 추적

Dapr가 제공하는 명시적인 것, 암묵적인 것

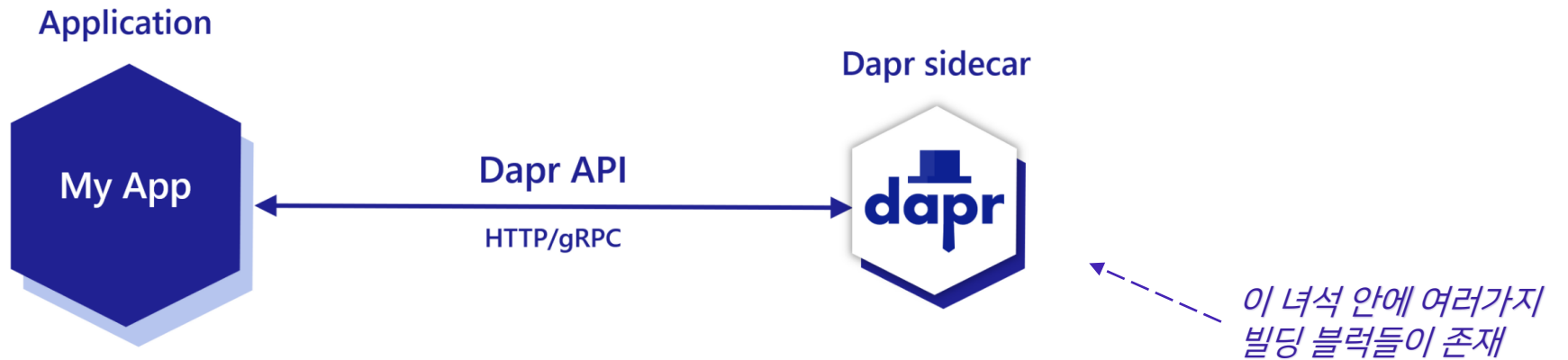


- mTLS
- 복원력
- 메트릭
- 추적

사이드카 패턴



사이드카 패턴



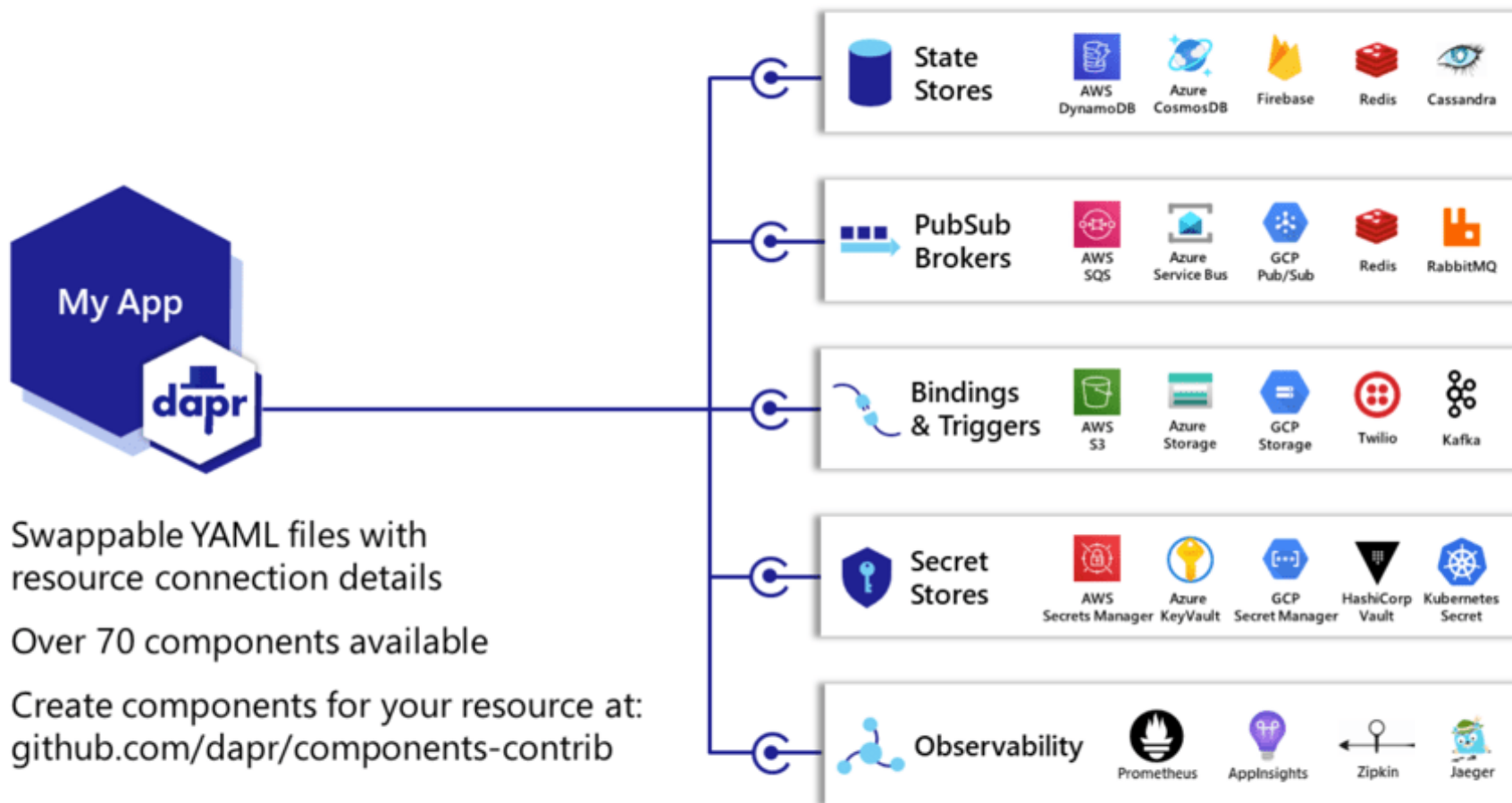
POST http://localhost:3500/v1.0/**invoke**/cart/method/neworder

GET http://localhost:3500/v1.0/**state**/inventory/item67

POST http://localhost:3500/v1.0/**publish**/shipping/orders

GET http://localhost:3500/v1.0/**secrets**/keyvault/password

Dapr Components

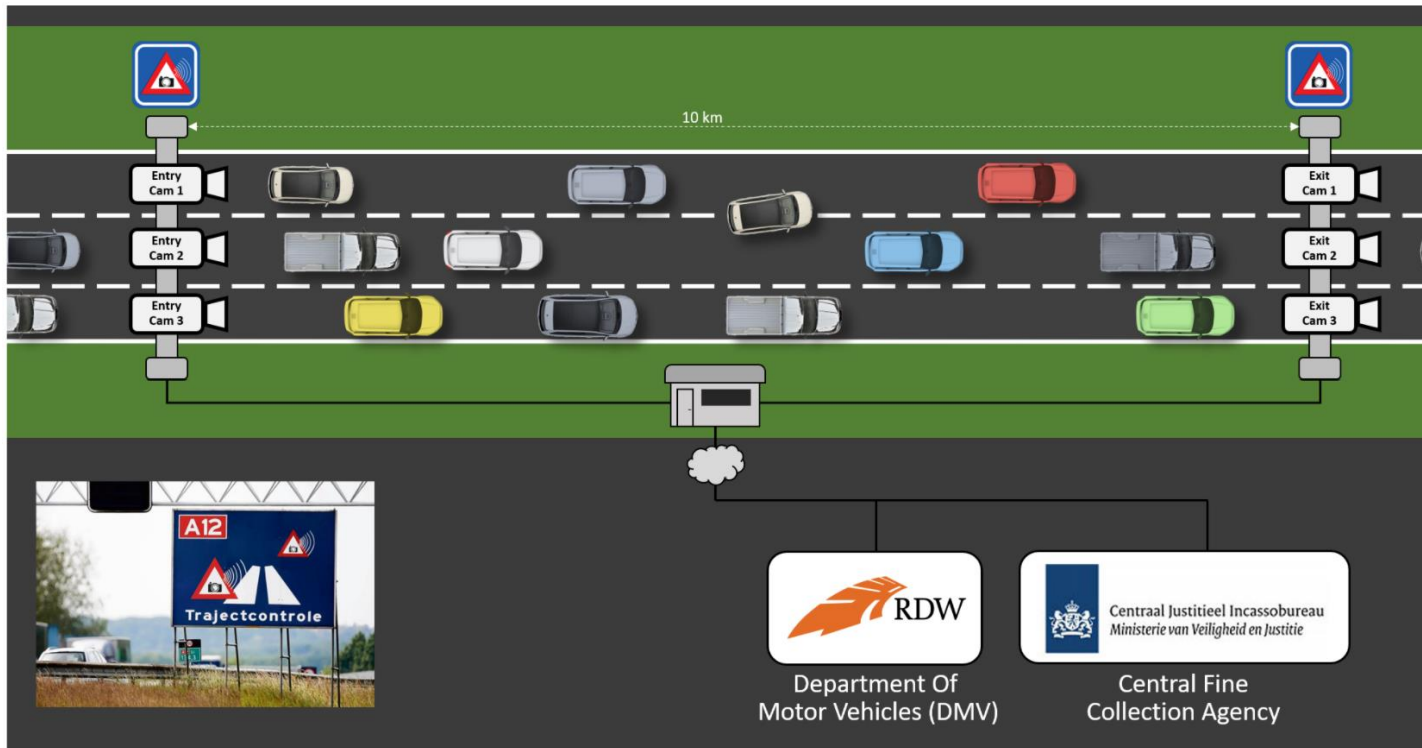


공식 샘플 살펴보기

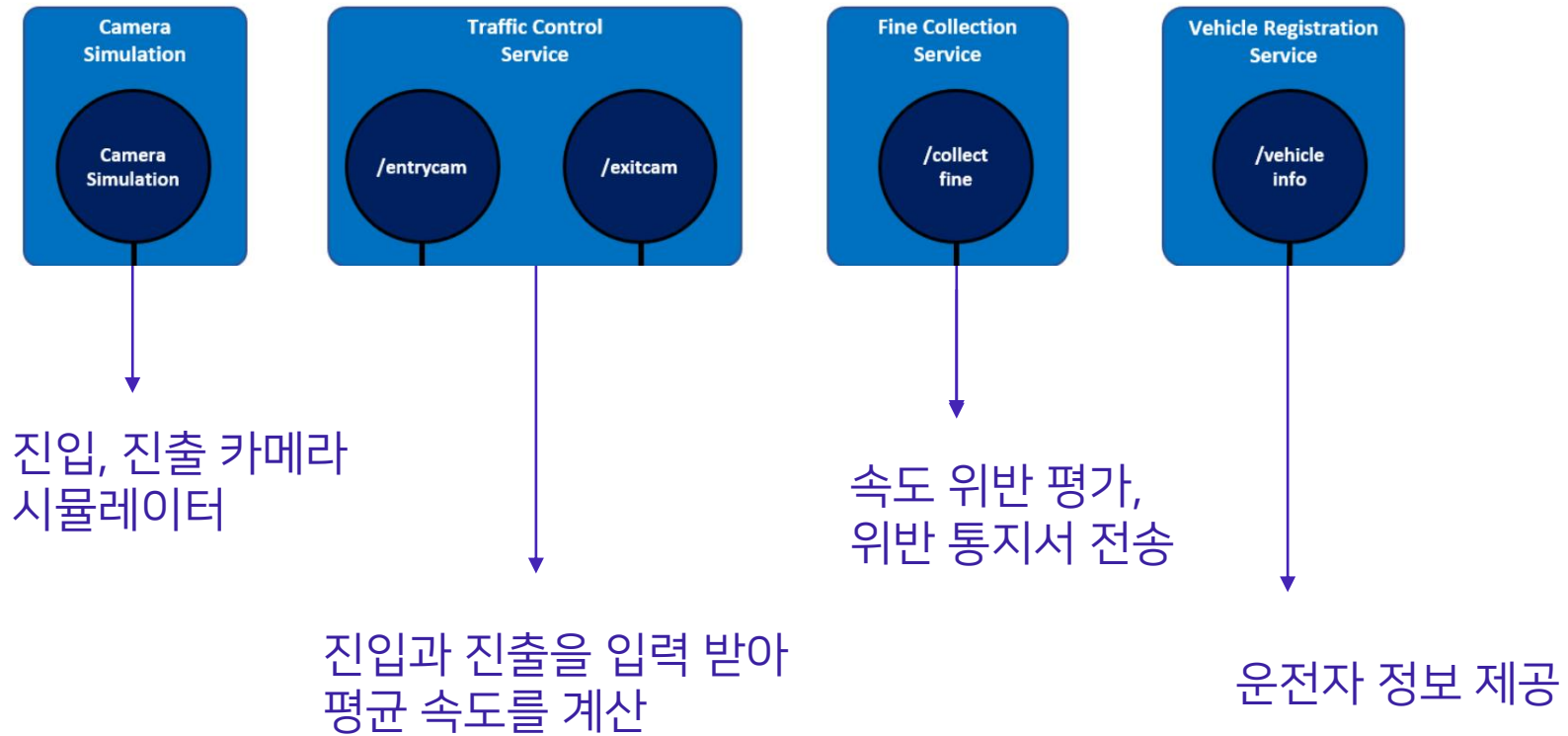


Sample: Traffic control

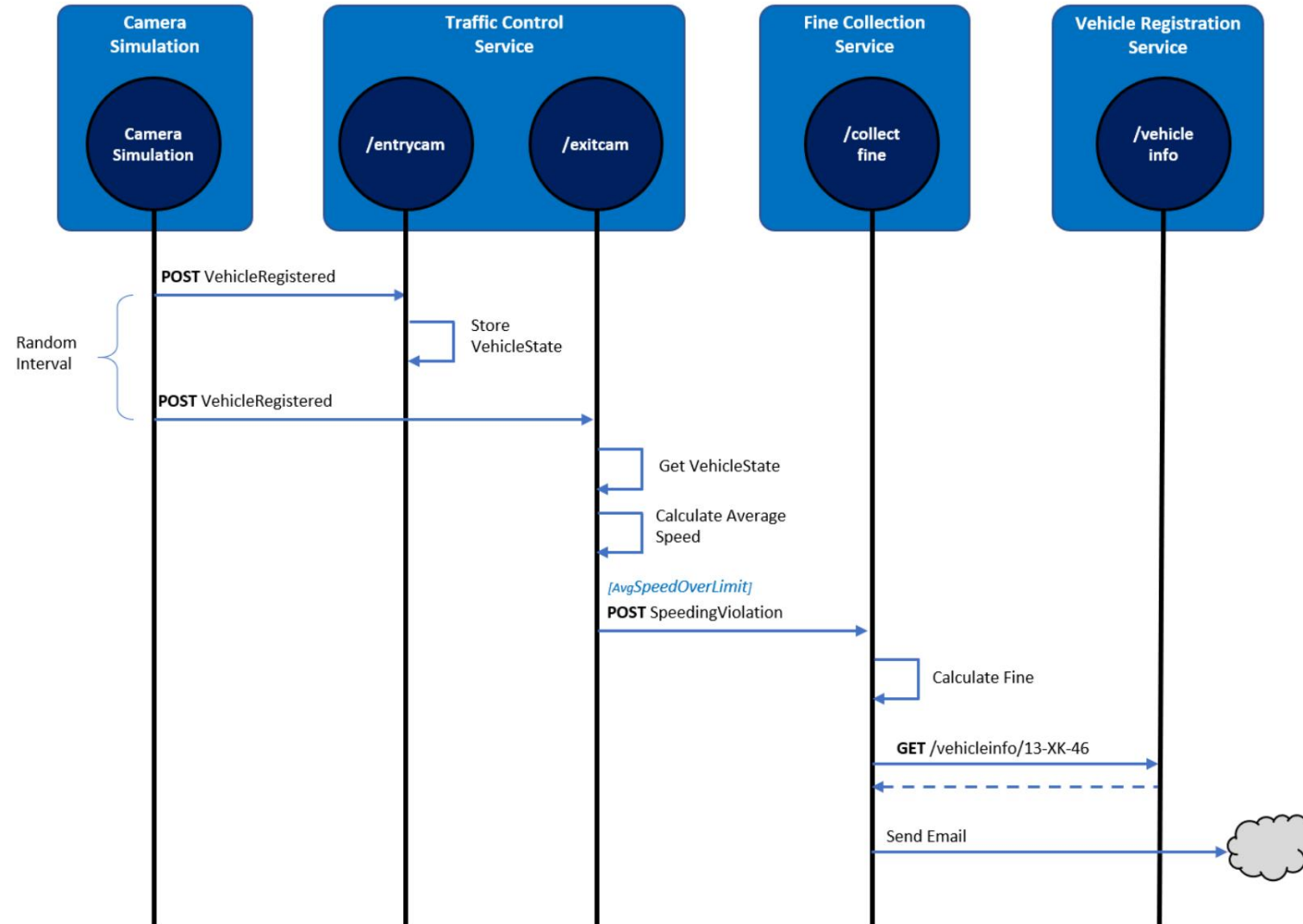
- 속도 위반 차량 검출



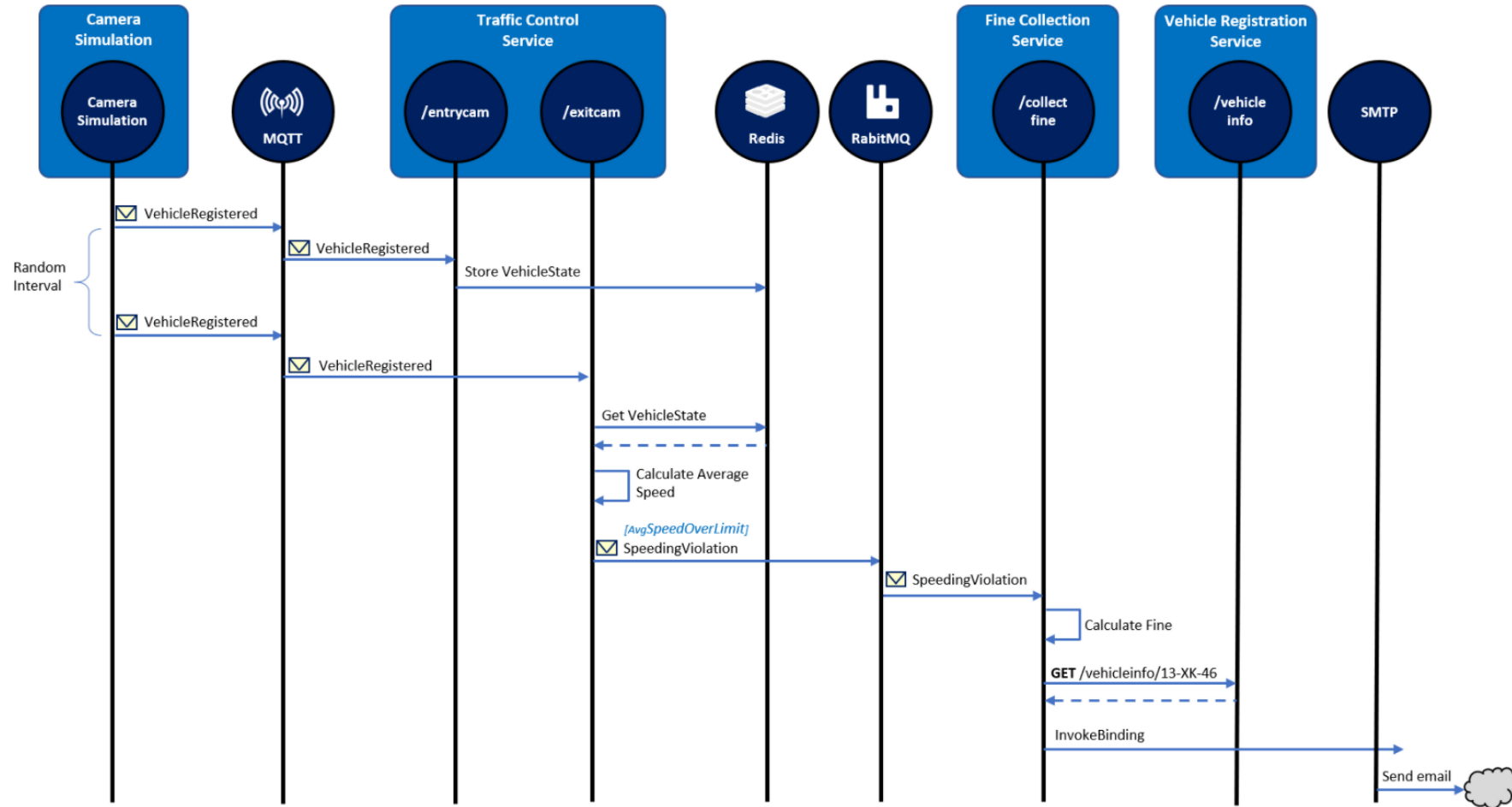
Services



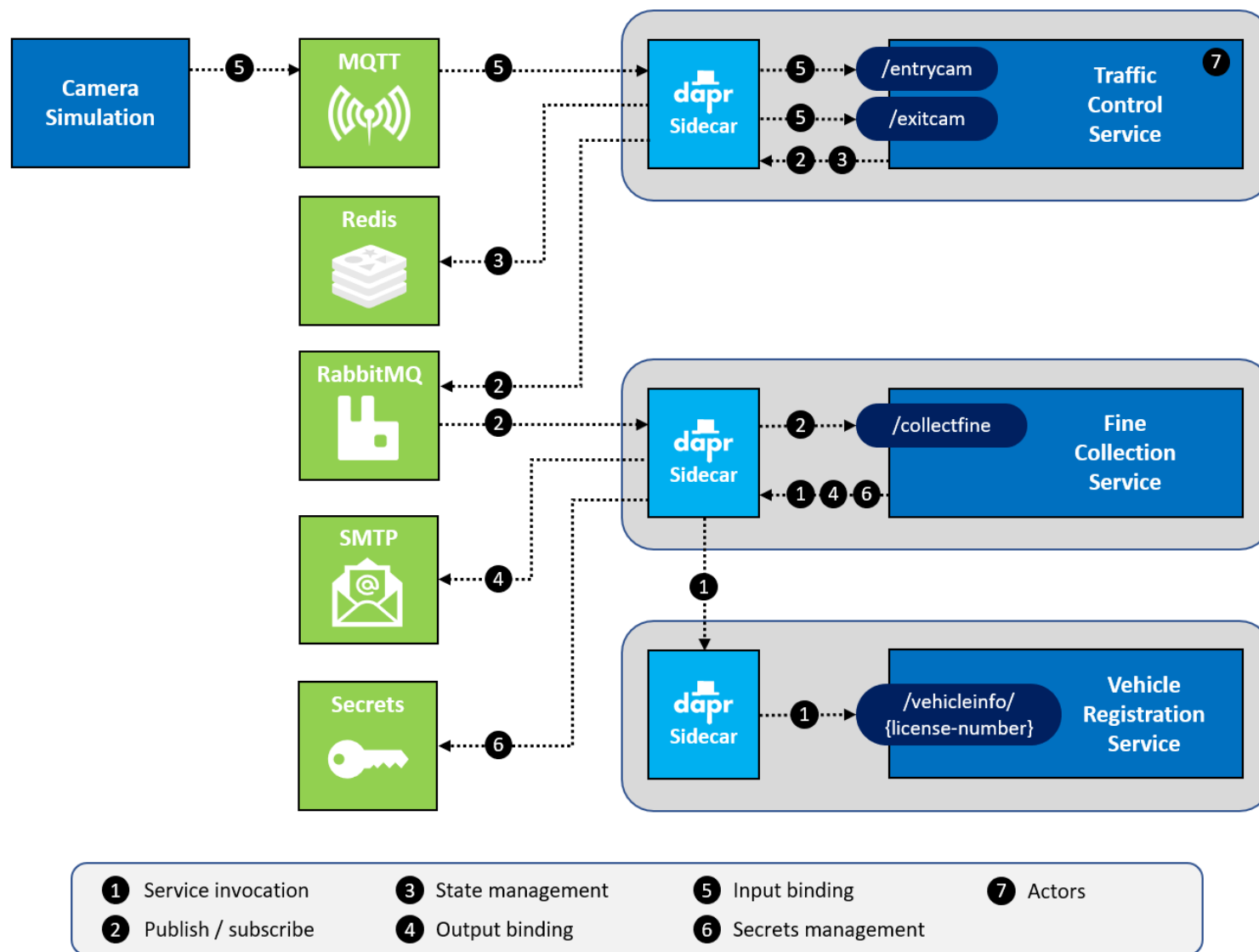
Sequence diagram



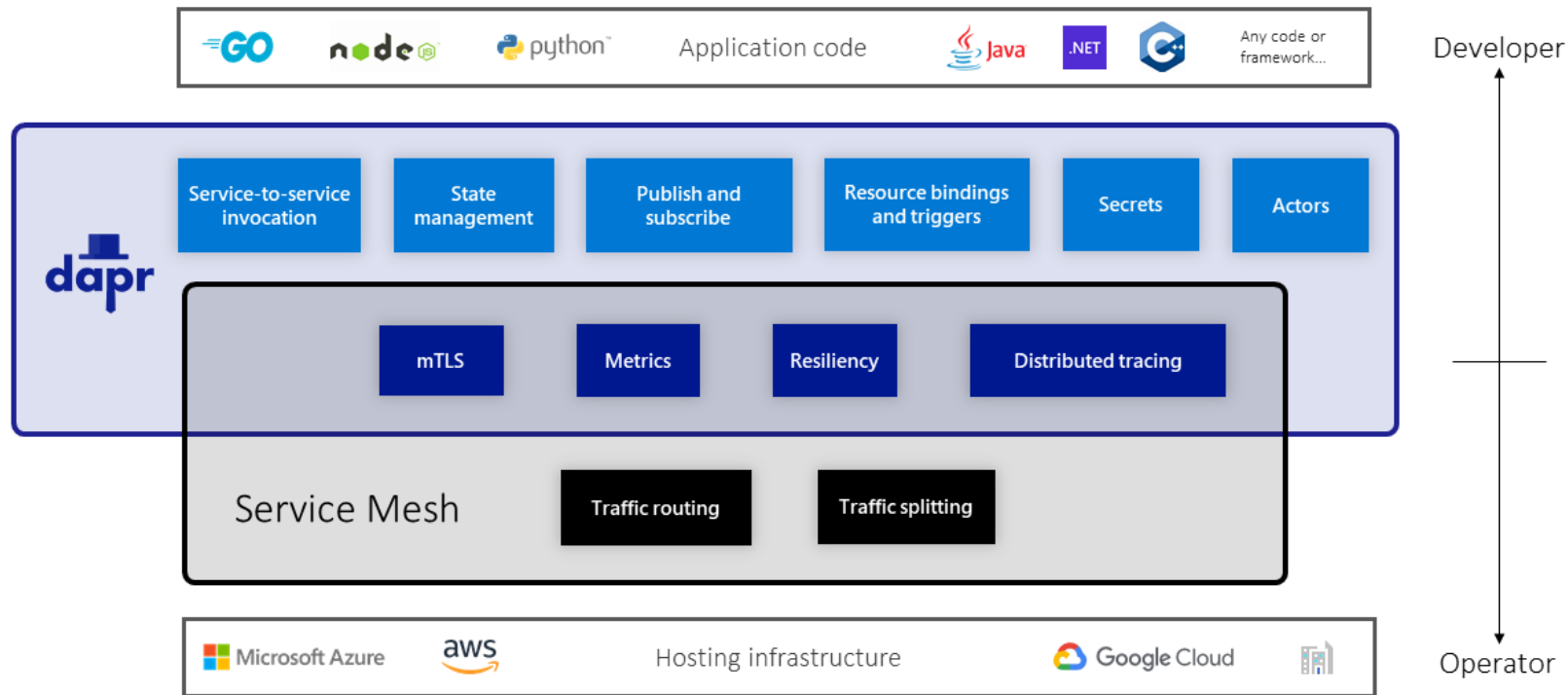
기술 기반 서비스가 적용된 Sequence diagram



Dapr 적용



Service mesh와의 차이점





고맙습니다!

김상현