Pivotal Summit 2019

Pivotal’s approach

To Strangle or Not to Strangle

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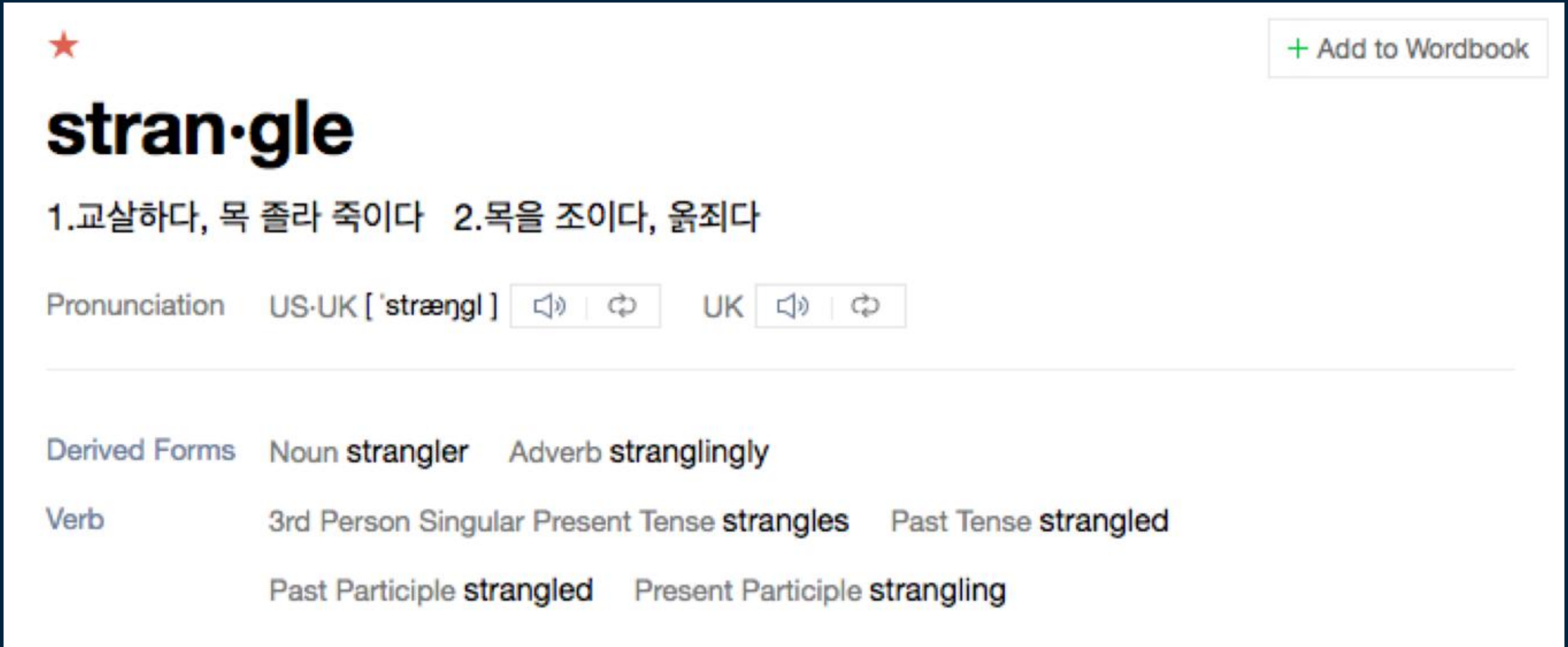
Director, Application Transformation
Asia Pacific and Japan
Pivotal Software

Strangle



stran·gle

1.교살하다, 목 졸라 죽이다 2.목을 조이다, 옭죄다

Pronunciation US·UK [ˈstræŋgl] UK

Derived Forms Noun **strangler** Adverb **stranglingly**

Verb 3rd Person Singular Present Tense **strangles** Past Tense **strangled**

Past Participle **strangled** Present Participle **strangling**

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The Strangler Application / Pattern

What (어떤 애플리케이션을?)

When (어느 시점에?)

How (어떤 방법으로?)

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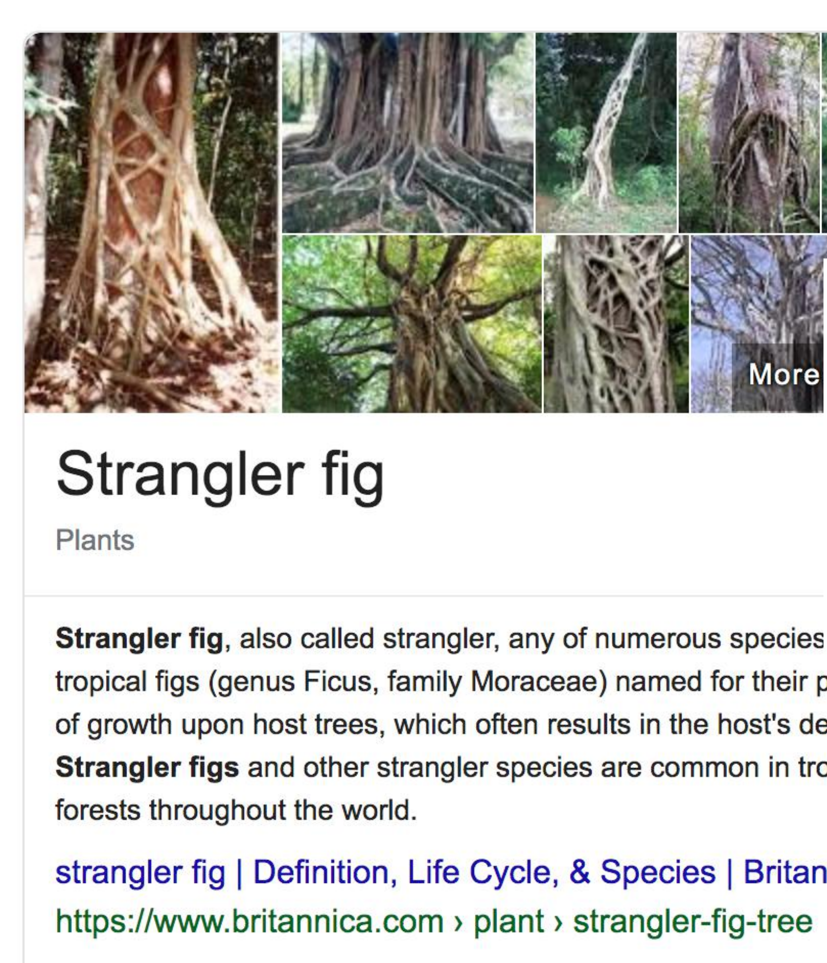


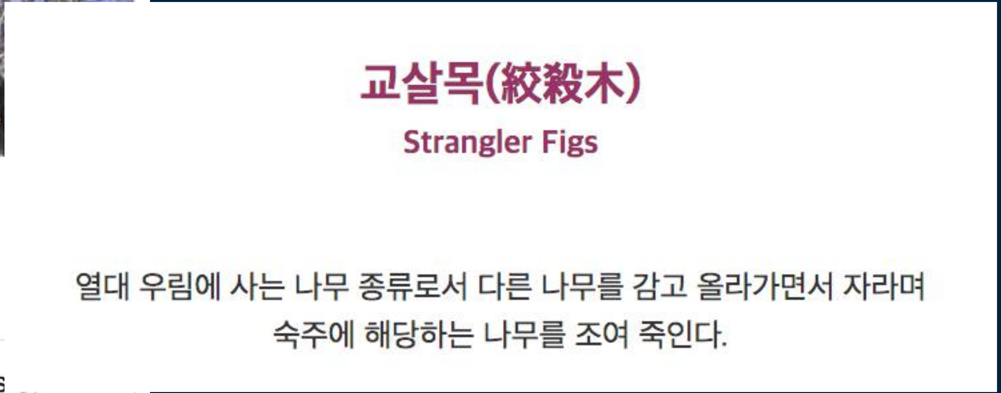
Strangler fig

Plants

Strangler fig, also called strangler, any of numerous species tropical figs (genus Ficus, family Moraceae) named for their pattern of growth upon host trees, which often results in the host's death. **Strangler figs** and other strangler species are common in tropical forests throughout the world.

strangler fig | Definition, Life Cycle, & Species | Britannica

https://www.britannica.com › plant › strangler-fig-tree



교살목(絞殺木)

Strangler Figs

열대 우림에 사는 나무 종류로서 다른 나무를 감고 올라가면서 자라며 숙주에 해당하는 나무를 조여 죽인다.

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무화과

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무화과 나무가
숙주나무에서
자라기 시작

숙주 위에서
서서히
성장하며
옭아맴

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결국 숙주나무는 죽었다

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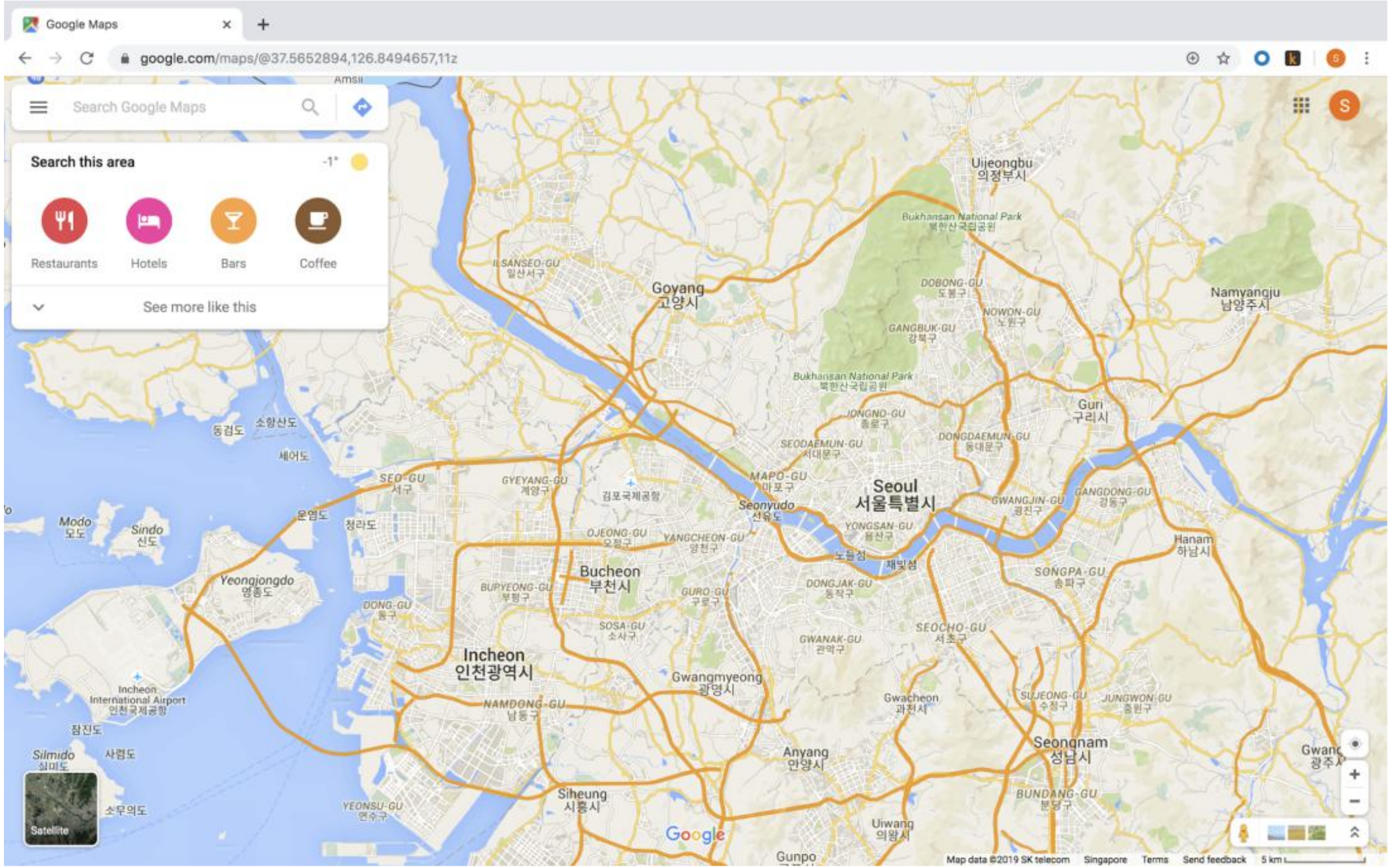

Roads = Tech Apps

도로 =

애플리케이션

Highways = Monoliths

고속도로 =

모놀리스 앱

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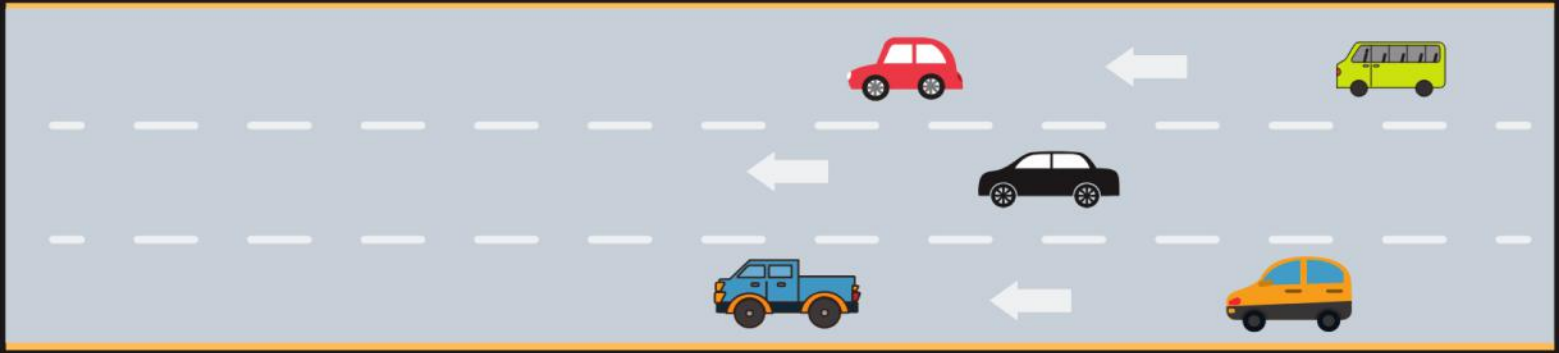
Monolith



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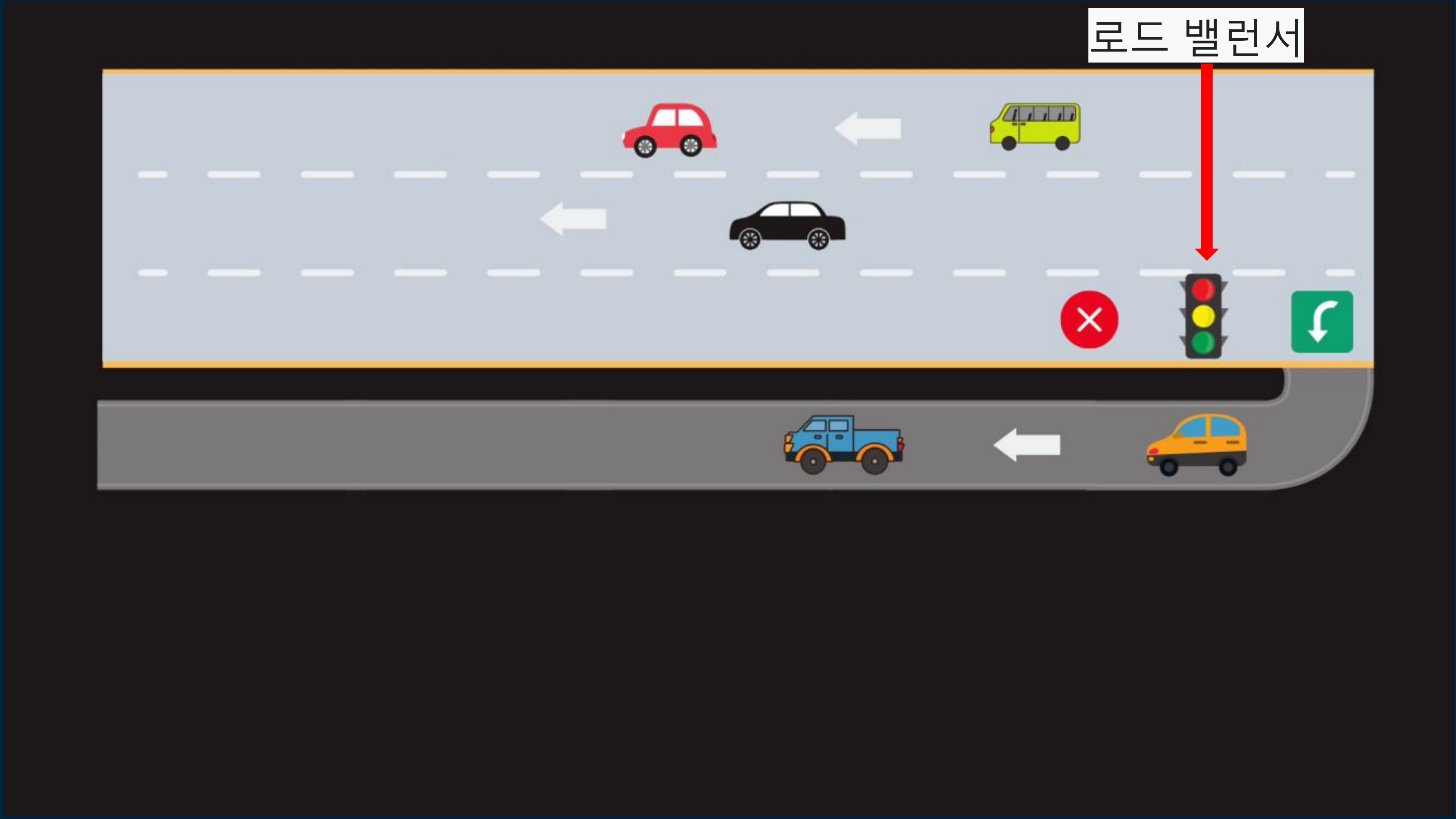
Monolith

StranglerApp



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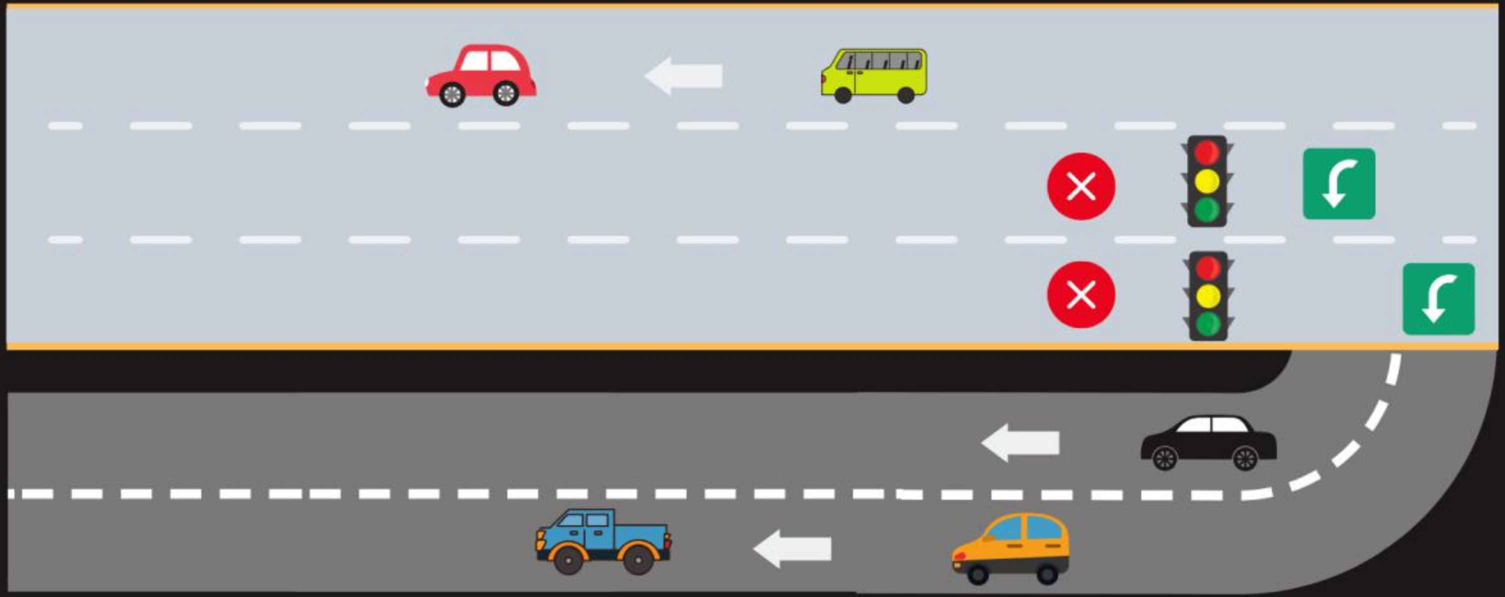
Monolith

StranglerA
pp



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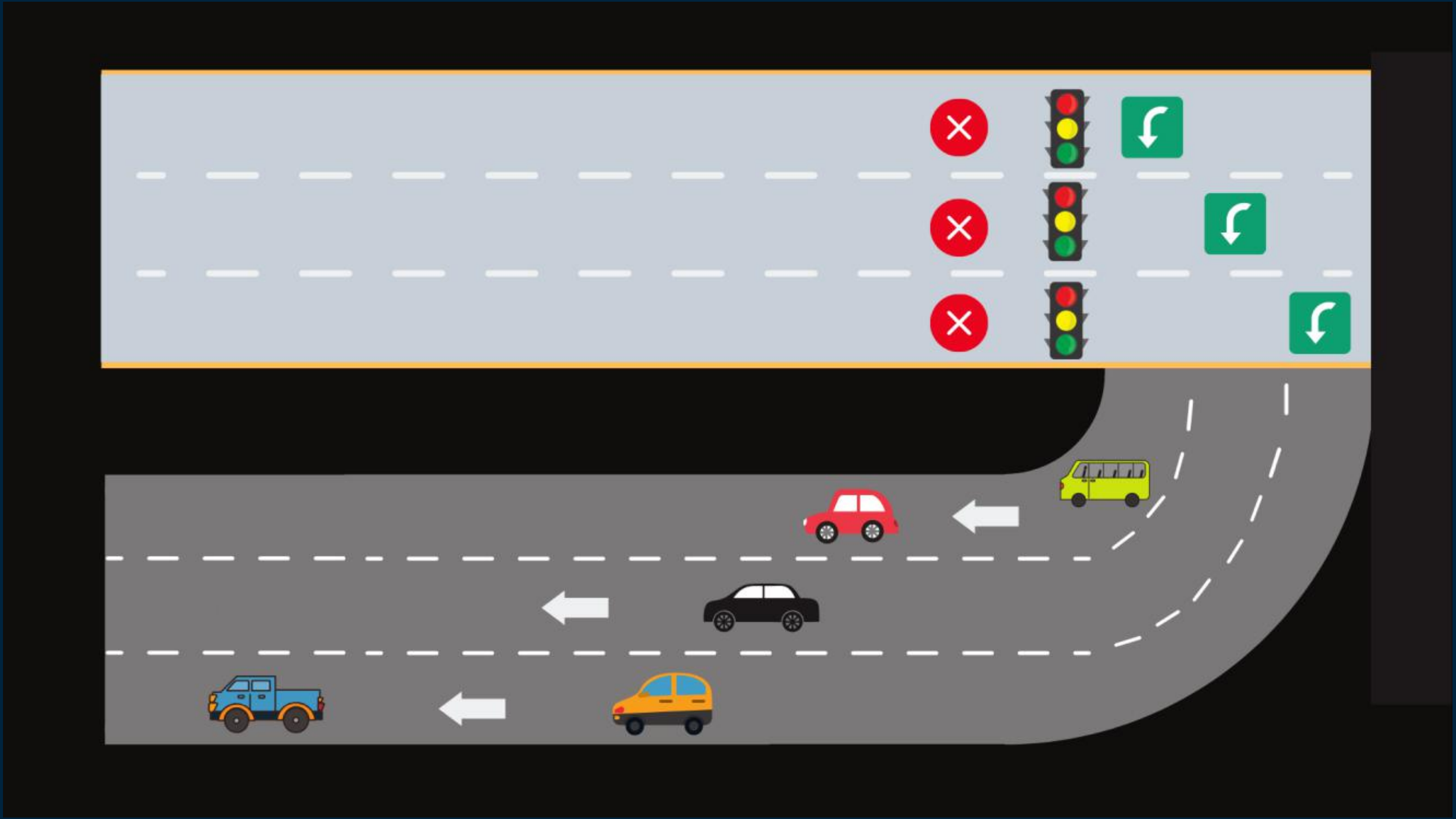
Monolith

StranglerApp



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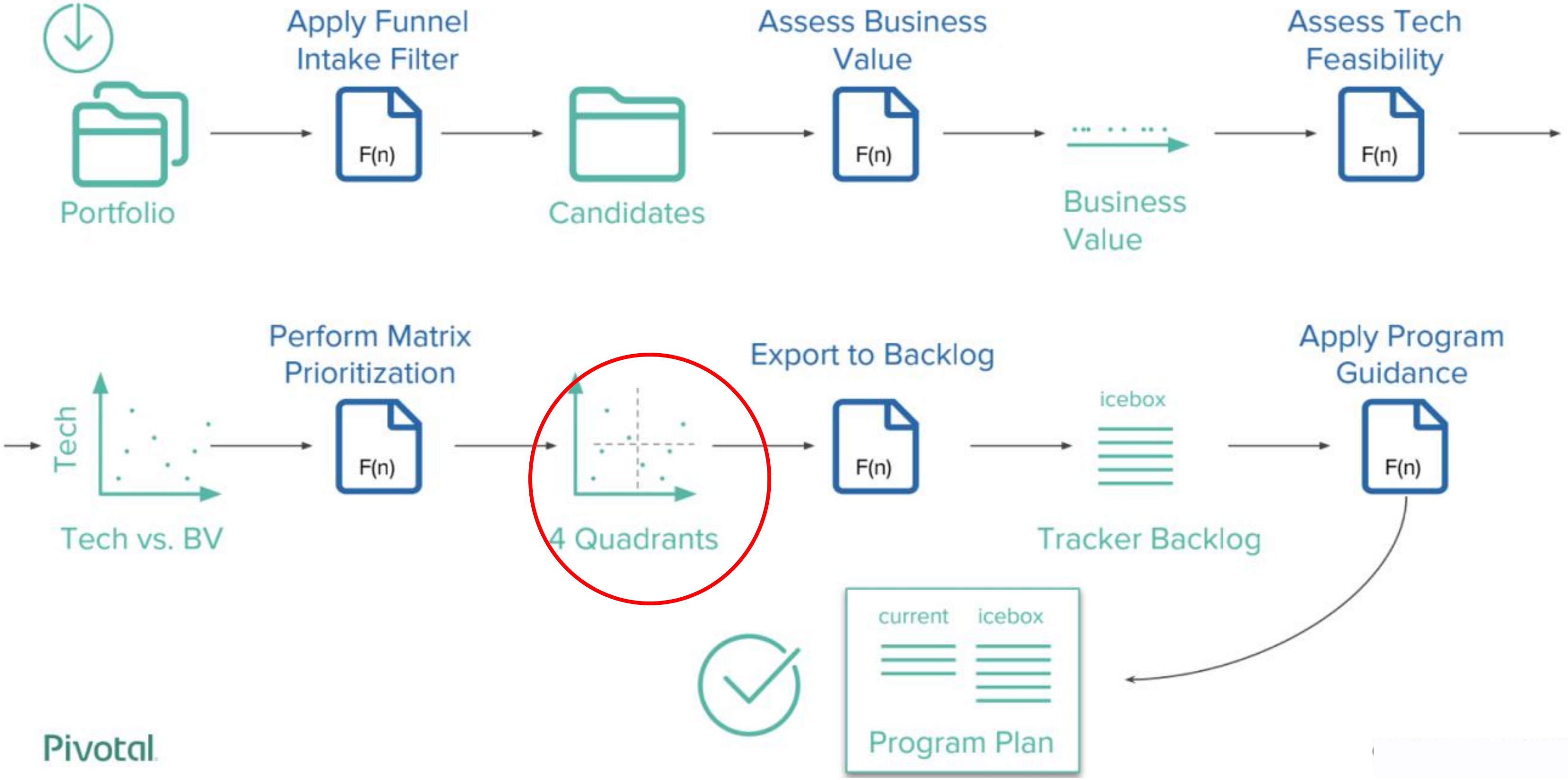
How to select Monoliths for Strangling?



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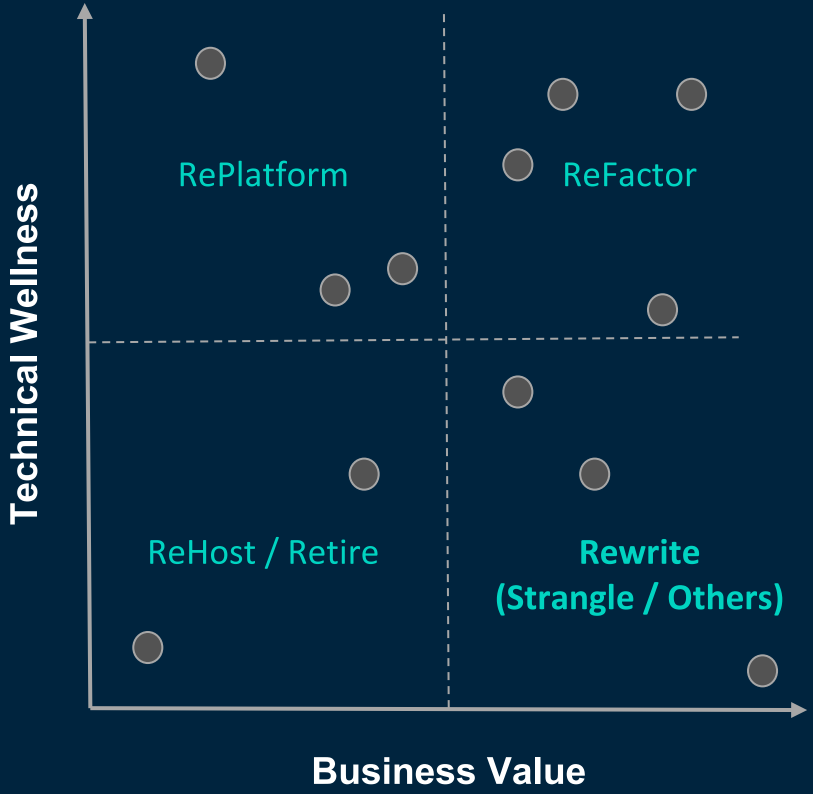
When to Strangle?



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When to Strangle?

Critical Mass - **Code, Throughput, User base**

Age - **Secrets of the Wily Old App!**

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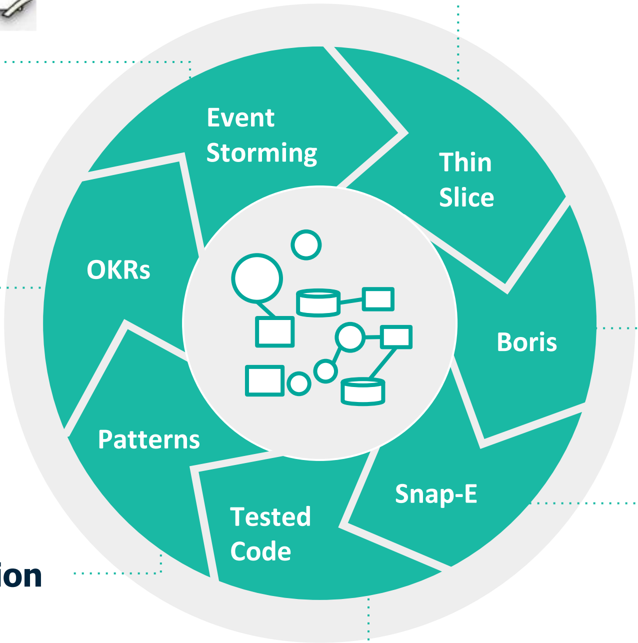
Strangling Monoliths - The SWIFT way


Event Storming
Thin Slice
Boris
Snap-E
Tested Code
Patterns
OKRs

1. Define Objectives & Key Results
(목표 및 주요 결과 정의 하기)

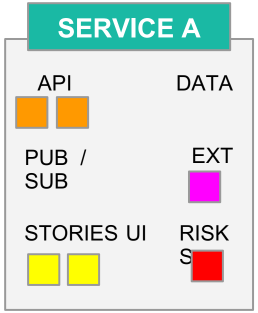
We will ___objective___
as measured by ___key results___

2. Event Storm the legacy space
(기존 레거시에 대한 이벤트 스토밍)

3. Select "Thin Slice(s)"
(대상 슬라이스 선택하기)

4. "Boris" crafts the desired notional architecture
(Boris를 통한 개념적 아키텍처 그리기)

5. Snap-E
(각 서비스 정의하기)


SERVICE A
API 🟧 🟧
DATA
PUB / SUB
EXT 🟪
STORIES 🟨 🟨
UI
RISKS 🟥

6. Produce tested and working code
(동작하는 코드 작성하기)

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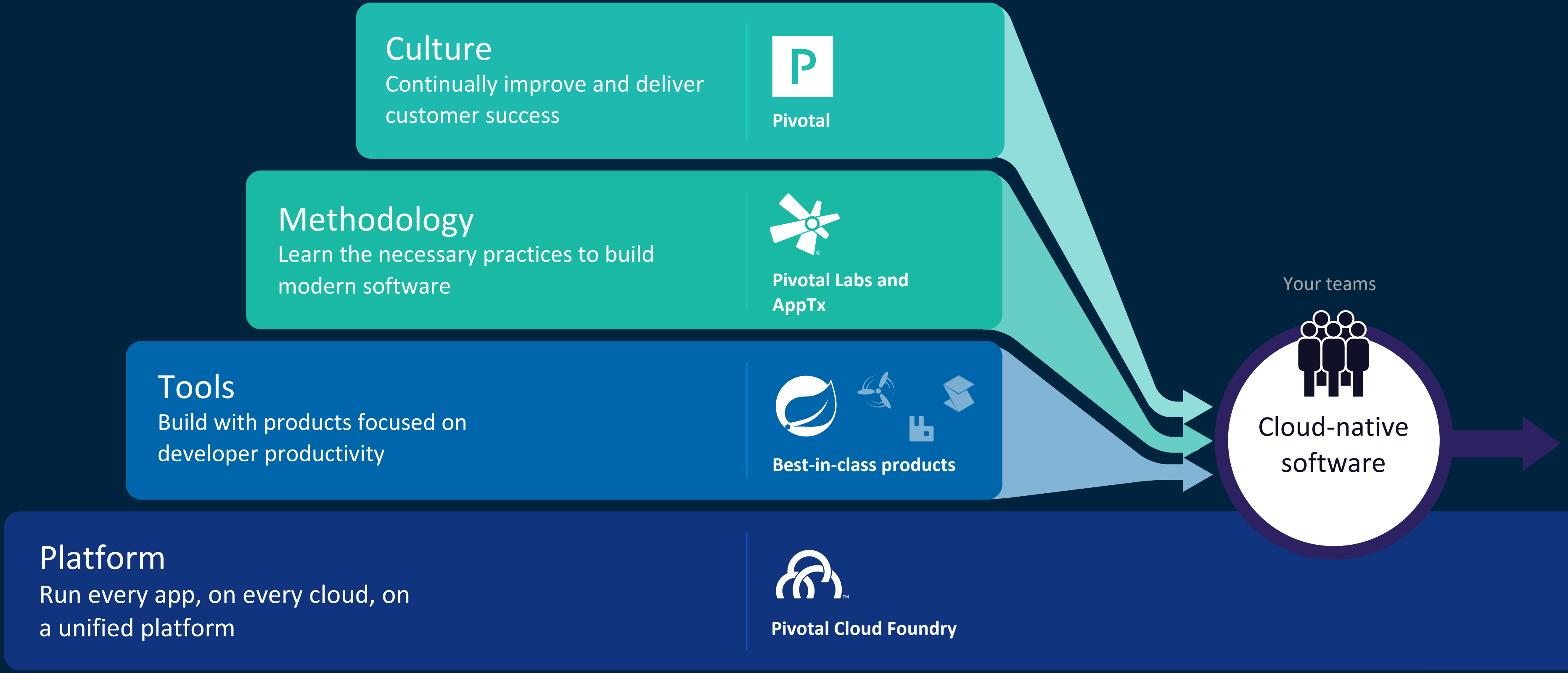
MQ REQUEST-RESPONSE SERVICE
MQ Request-Response Service
How To Identify Apps Using This Patterns

7. Cloud Modernization Patterns
(전환 패턴 찾아내서 정리하기)

Approach to the Strangler needs to be holistic



Culture
Continually improve and deliver customer success

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Methodology
Learn the necessary practices to build modern software

Pivotal Labs and AppTx

Tools
Build with products focused on developer productivity

Best-in-class products

Platform
Run every app, on every cloud, on a unified platform

Pivotal Cloud Foundry

Your teams

Cloud-native software

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Thank You

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We Love Feedback

What would you like to hear more about?

What questions do you still have?

Recommended Viewing / Reading

- SWIFT Method: https://www.infoq.com/news/2019/10/swift-method/
- Event Storming: https://www.eventstorming.com/
- App Continuum: https://www.appcontinuum.io/
- Data Strangler: https://www.infoq.com/presentations/monolith-refactoring-data-driven-testing/

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