

클라우드 환경에서의 스마트러닝

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2014. 11. 15

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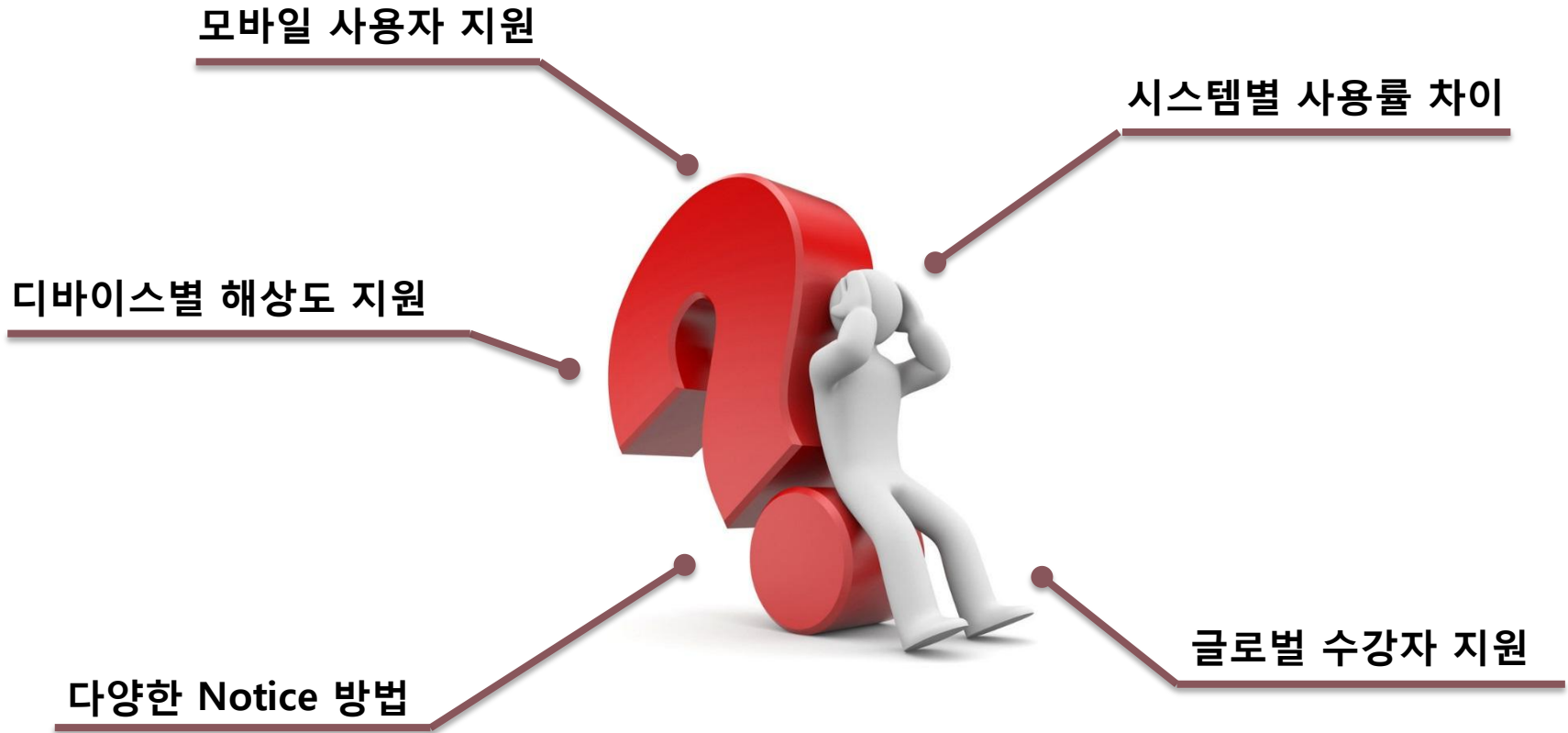
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1. 개발 배경

The background of the slide features a series of overlapping, semi-transparent blue geometric shapes, primarily triangles and quadrilaterals, that create a sense of depth and movement. The colors range from a light, airy blue to a more saturated, darker teal. The shapes are layered, with some appearing to be in front of others, creating a complex, abstract composition that occupies the right half of the slide.

1.1 이러닝(E-learning) 시스템의 고민들



1.2 스마트 러닝 : 기능 요구사항



User



Data



File



Push



Help

1.3 스마트 러닝 : 기술 요구사항



1.4 스마트 러닝 : 시스템 고려사항



2. 시스템 소개

The background of the slide features a series of overlapping, semi-transparent blue geometric shapes, primarily triangles and quadrilaterals, that create a sense of depth and movement. The colors range from a light, airy blue to a more saturated, darker teal. The shapes are layered, with some appearing to be in front of others, creating a dynamic and modern aesthetic.

2.1 오픈 소스 소프트웨어 리스트

1. OS

- CentOS 6.5

2. Application

- Apache Tomcat 7.0.55

3. Search Engine

- ElerasticSearch 1.4.0

4. Database

- MariaDB Galera Cluserter 5.5.40
- Couchbase 3.0.1

2.2 데모 시연

DEMO

3. 시스템 아키텍처

3.1 CloudMix : SoftLayer vs AWS



3.2 Operation : SoftLayer



Asia Region

SN

HK

JP

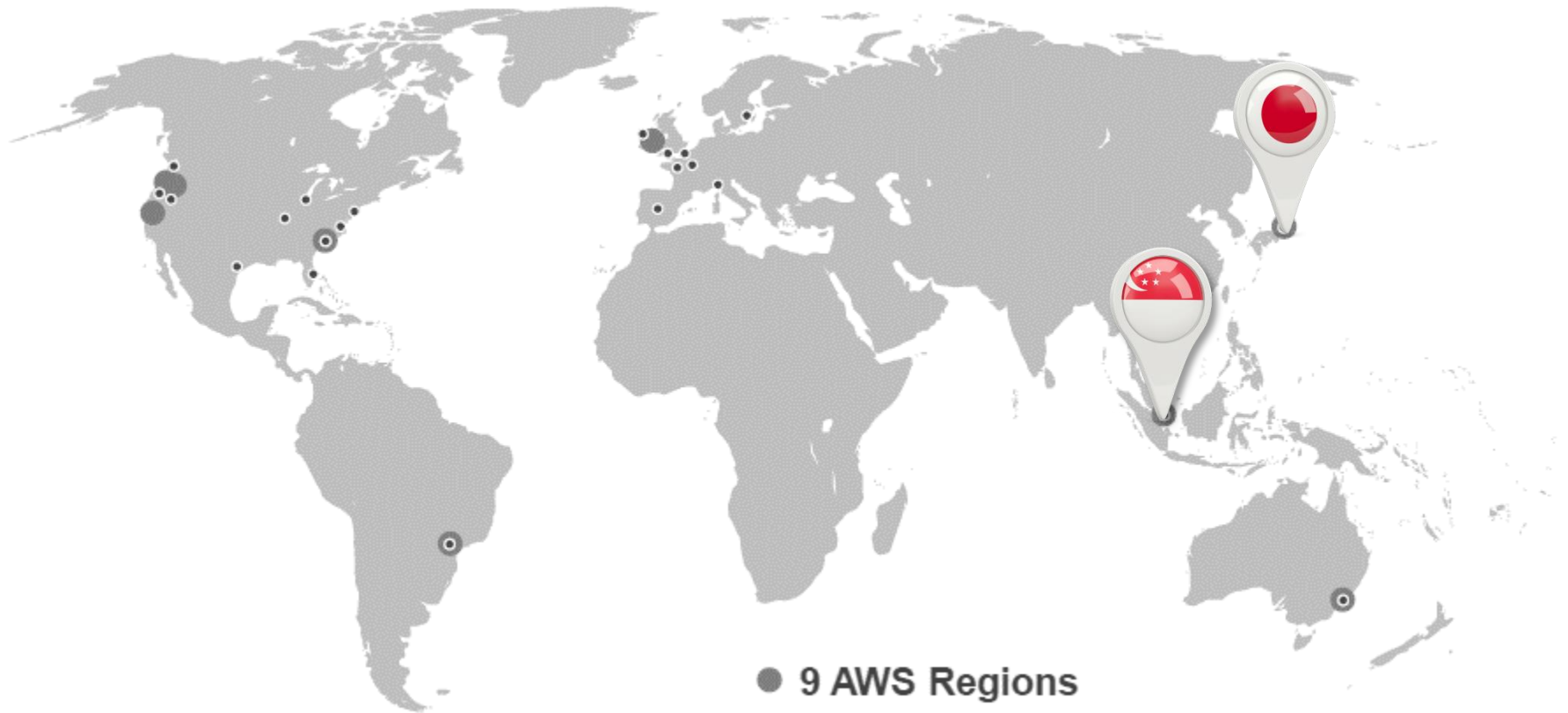
America Region

Dallas

Euro Region

??

3.3 Management : Amazon Web Services



- 9 AWS Regions
- 30+ AWS Edge Locations

America Region

??

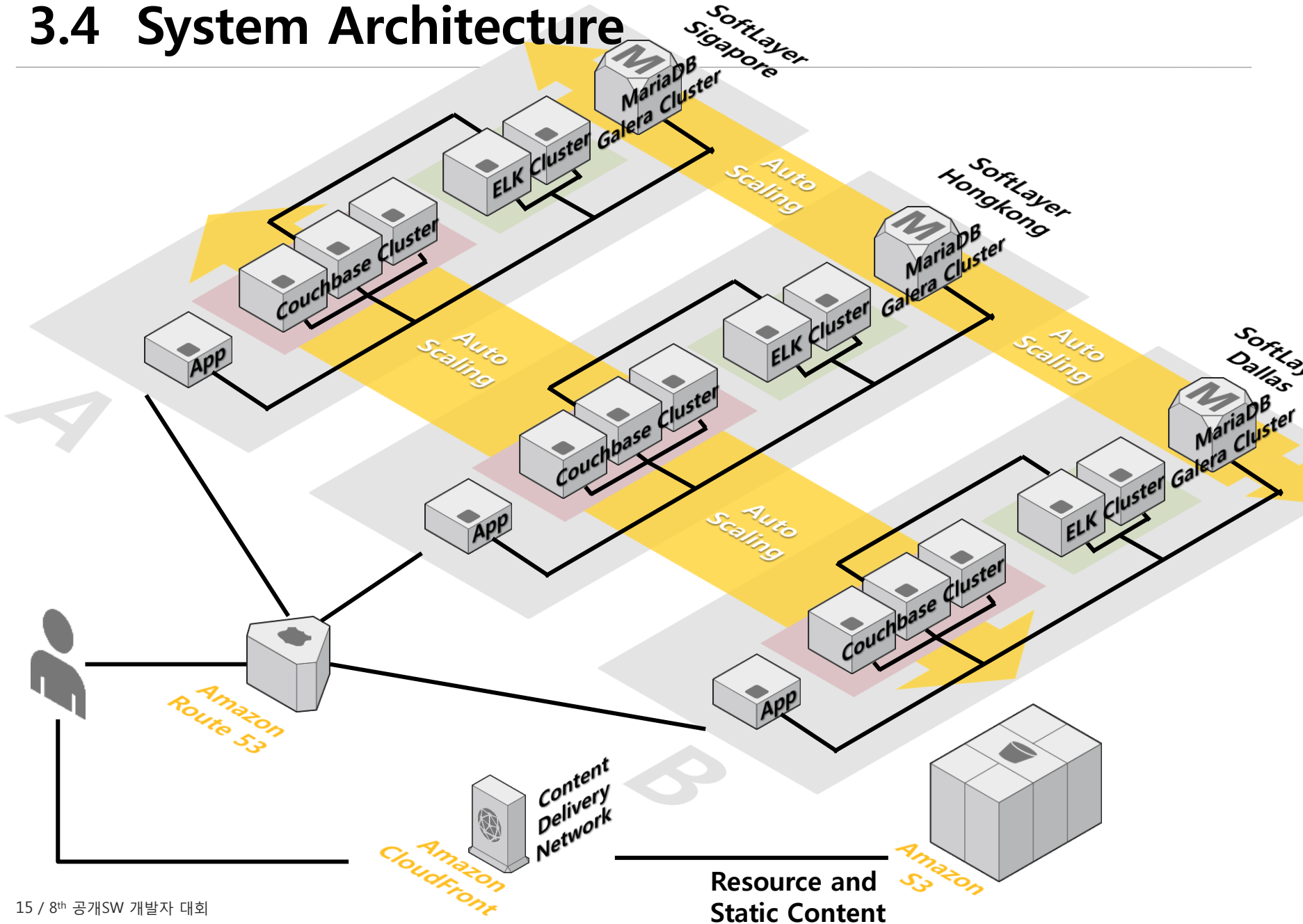
Euro Region

??

Asia Region

SN JP

3.4 System Architecture



4. 데이터 아키텍처

4.1 RDBMS vs NoSQL



MariaDB

안정성

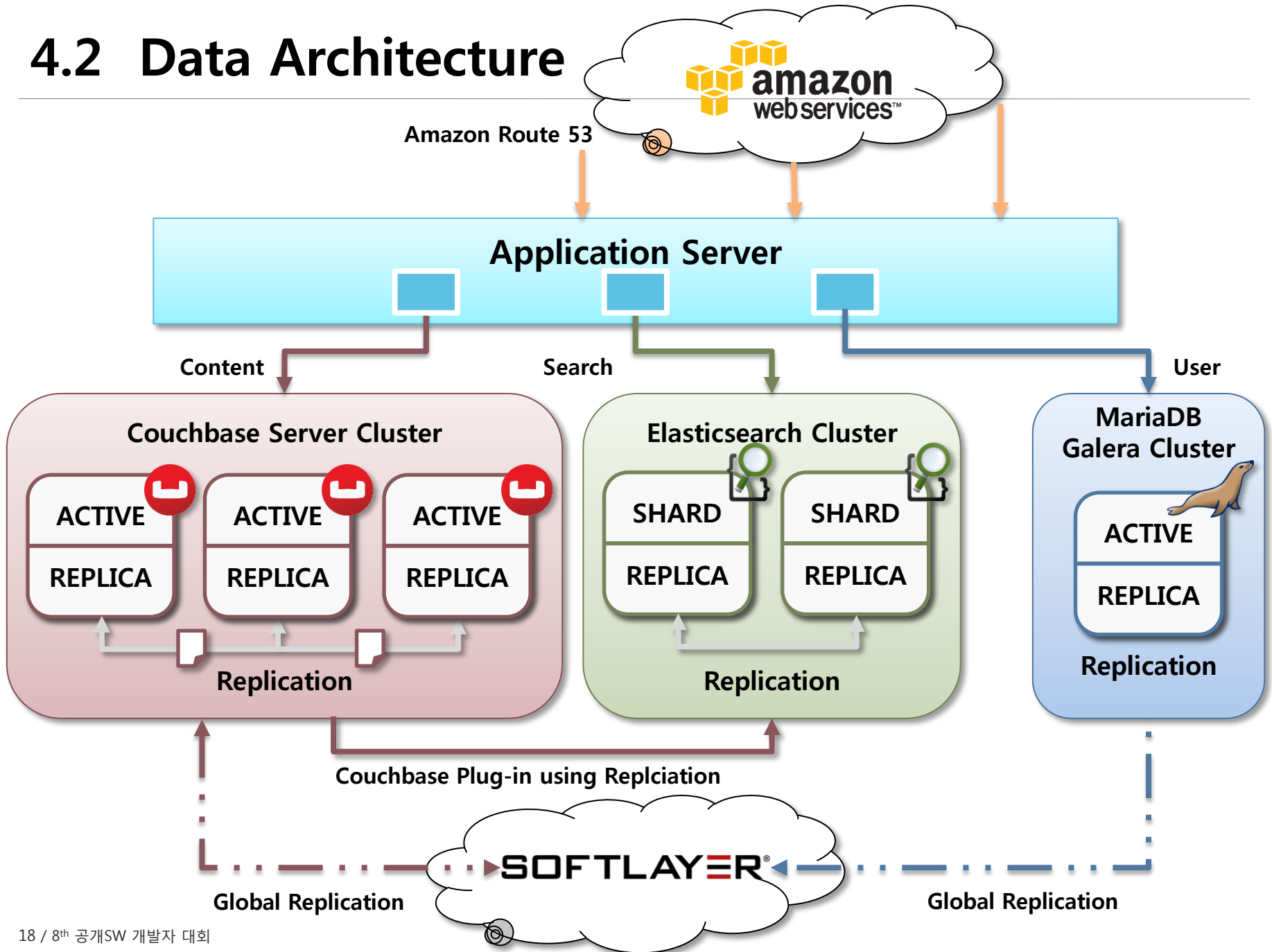
VS



Couchbase

속도

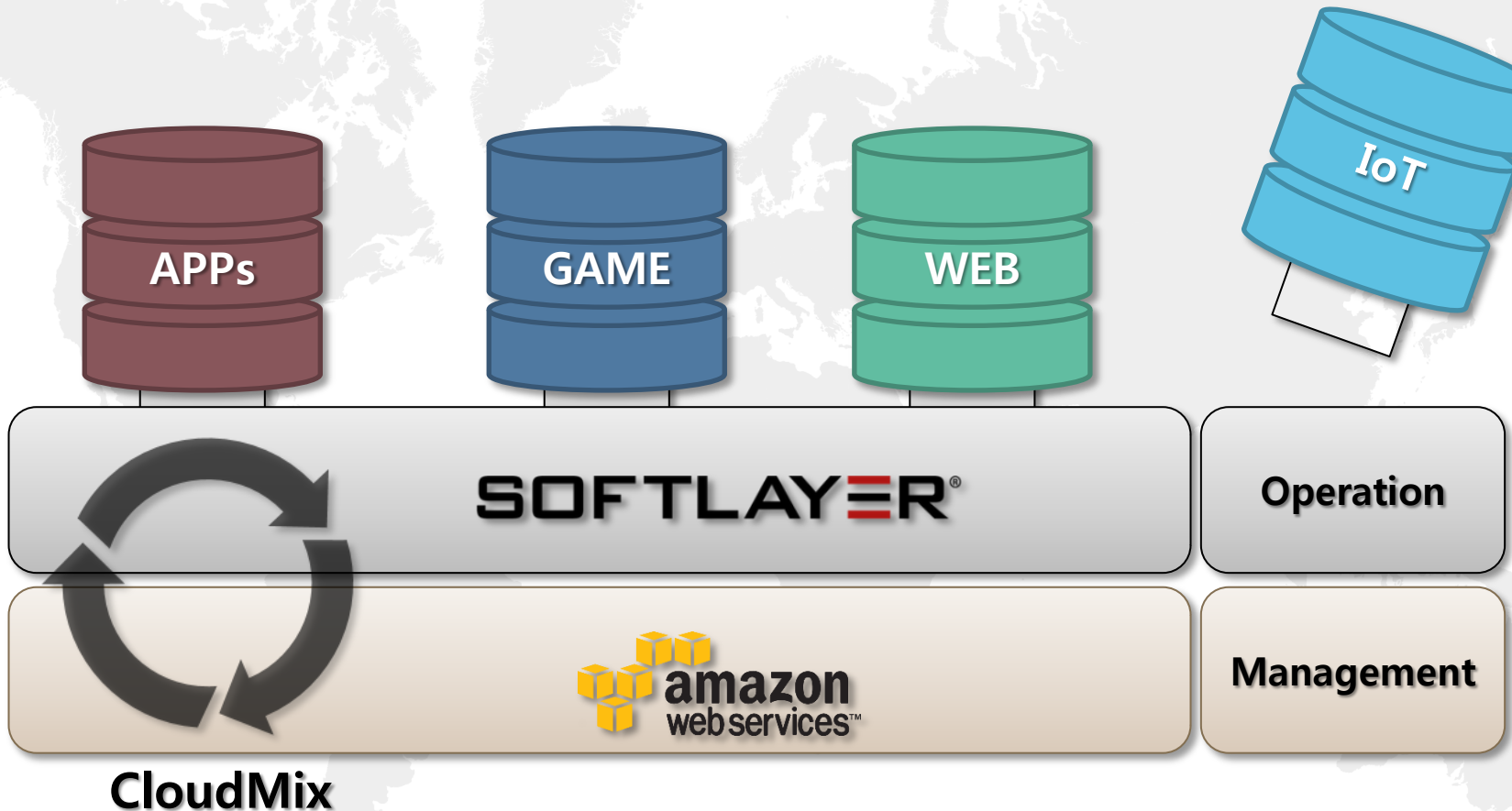
4.2 Data Architecture



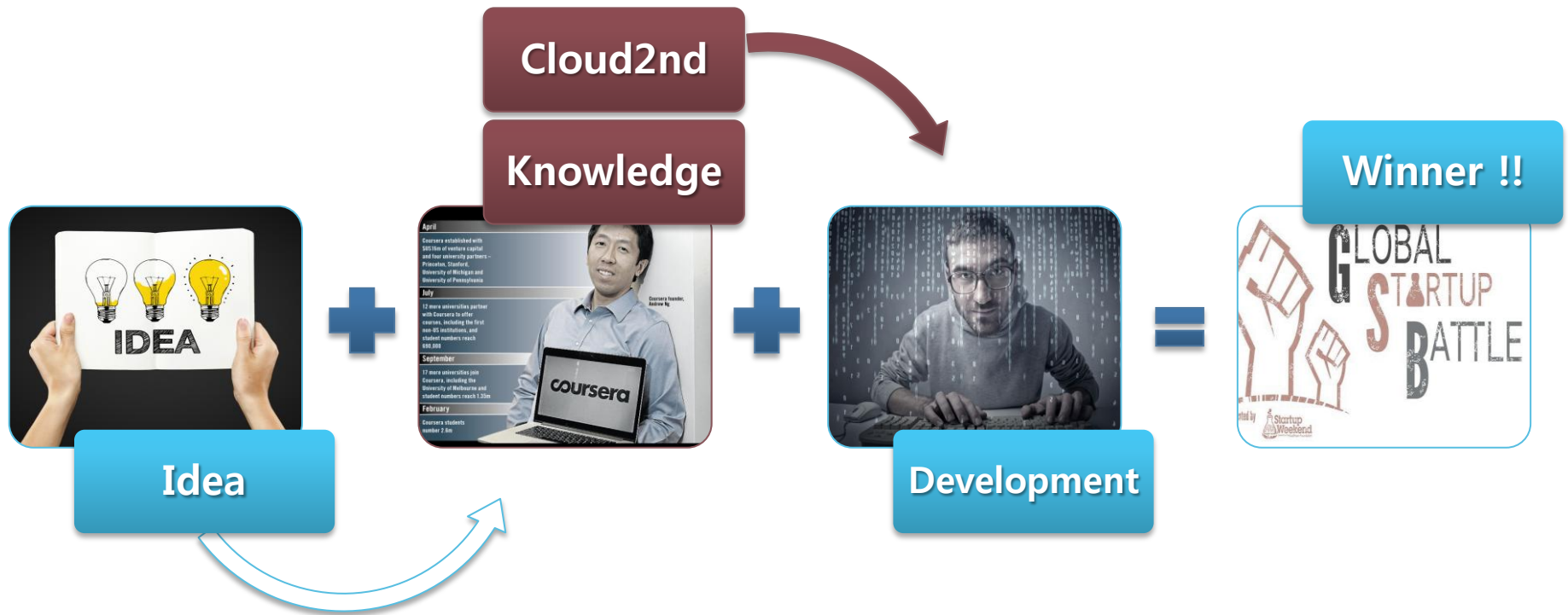
5. 로드맵



5.1 CloudMix : Global Service



5.2 Share Your Knowledge !!



Thank you.

The background features a series of overlapping, semi-transparent geometric shapes in various shades of teal and light blue. These shapes are primarily triangular and quadrilateral, creating a dynamic, layered effect that suggests movement and depth. The colors transition from a darker teal on the left to a lighter, almost white-blue on the right.