

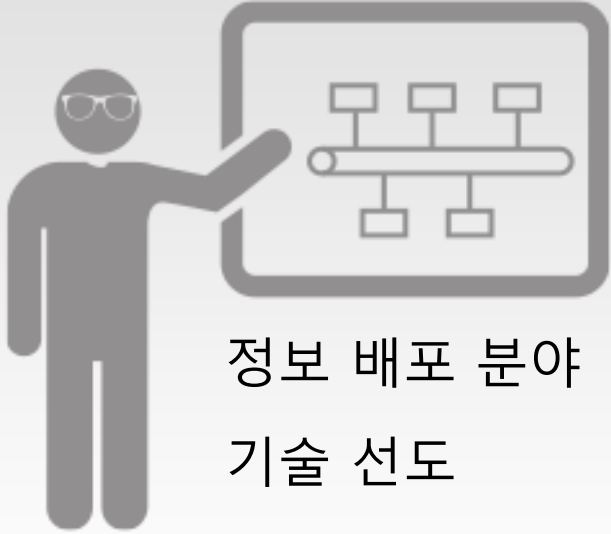
# 엔터프라이즈와 클라우드 환경에서의 실시간 개방형 데이터 이동

Real-Time Open Data Movement  
across the Enterprise and Hybrid Cloud

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Sales Consulting Director, Solace

# 솔라스(Solace) 회사 소개



지속적인  
비즈니스 성장



10+  
Years



15  
Offices



21  
Patents



# 고객 성공 사례









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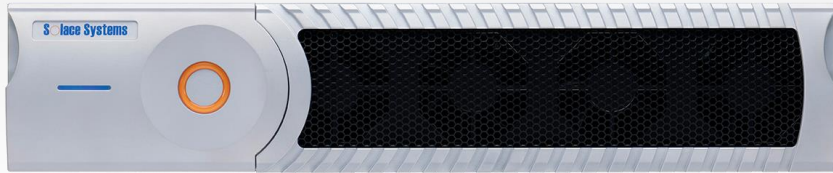






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# 솔라스 어플라이언스



**I/O**  
Network  
Acceleration Blade



**Routing**  
Topic Routing  
Blade



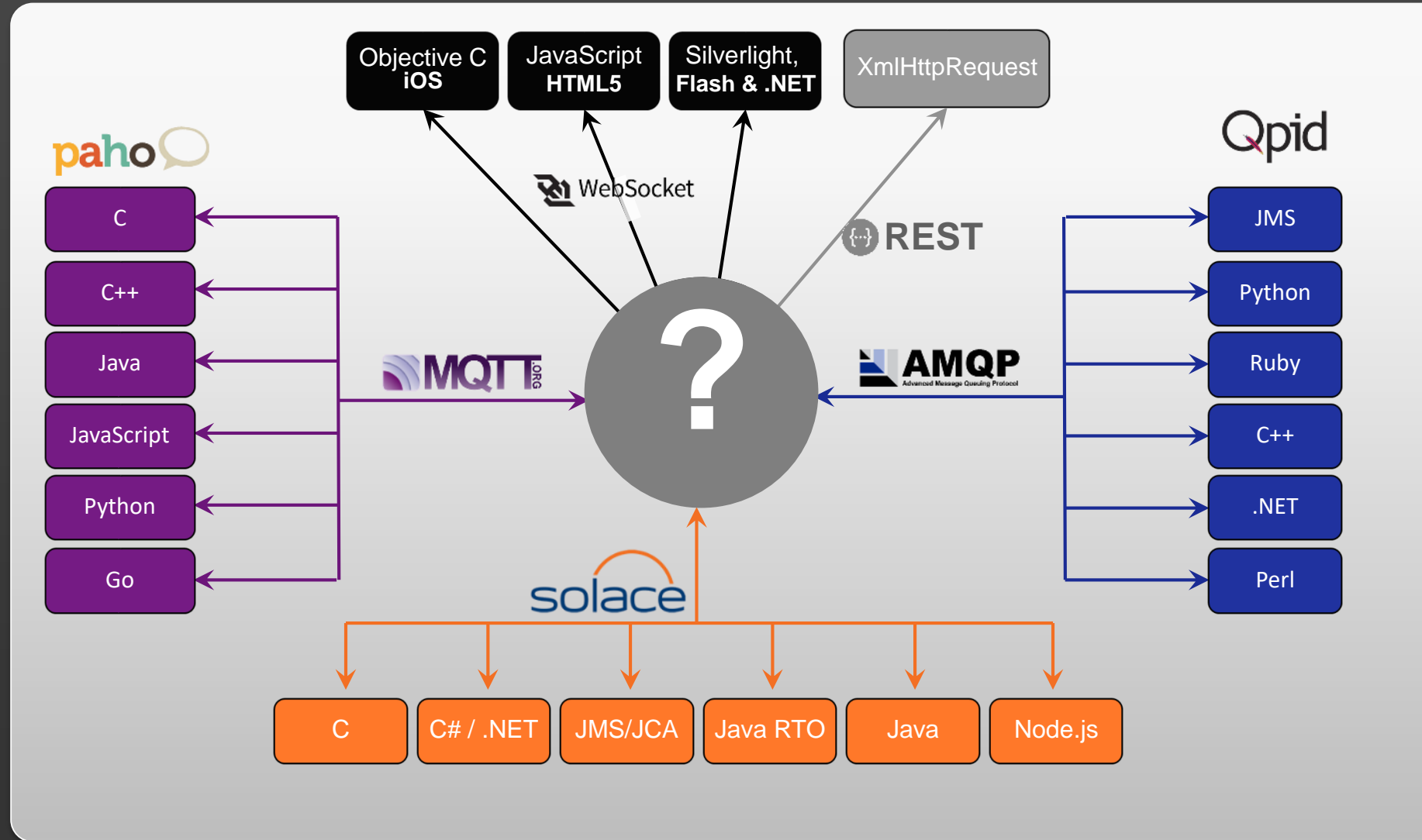
**Persistence**  
Assured  
Delivery Blade

- 특수하게 설계된 어플라이언스
  - FPGA and Network Processor-based “blades” for each messaging function
- 하드웨어 데이터 전송(No CPU, No OS)
  - Speed, predictability, robustness
- Turnkey deployment
  - Rack and run
  - 튜닝 없이도 성능 보장
- 안정성
  - Built-in HA and DR
  - Very Fast Failover
- 쉽고 간단한 확장
  - Horizontal with automatic discovery
  - Vertical with higher performance cards



# Open APIs & Protocols

- 다양한 App 간 데이터 이동 시 많은 어려움 발생
- 각각의 작업에 적합한 도구 필요
- App간 Bridging을 통해 유연한 확장 필요

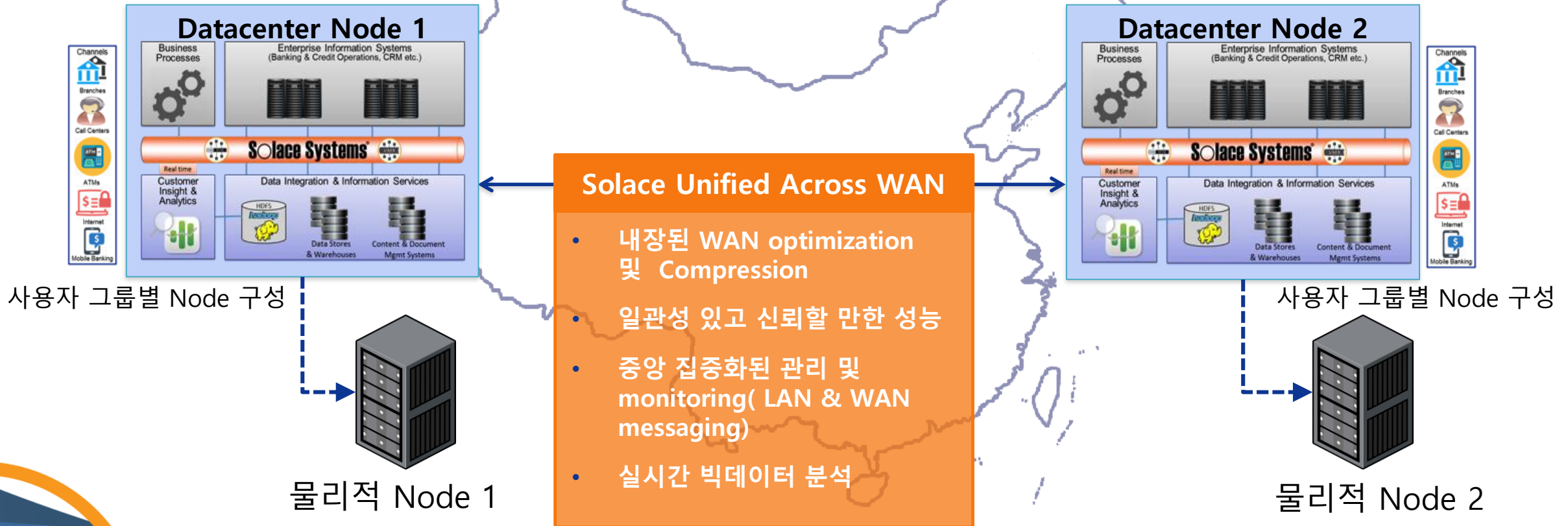


# 지점이 없는 Big Digital Bank

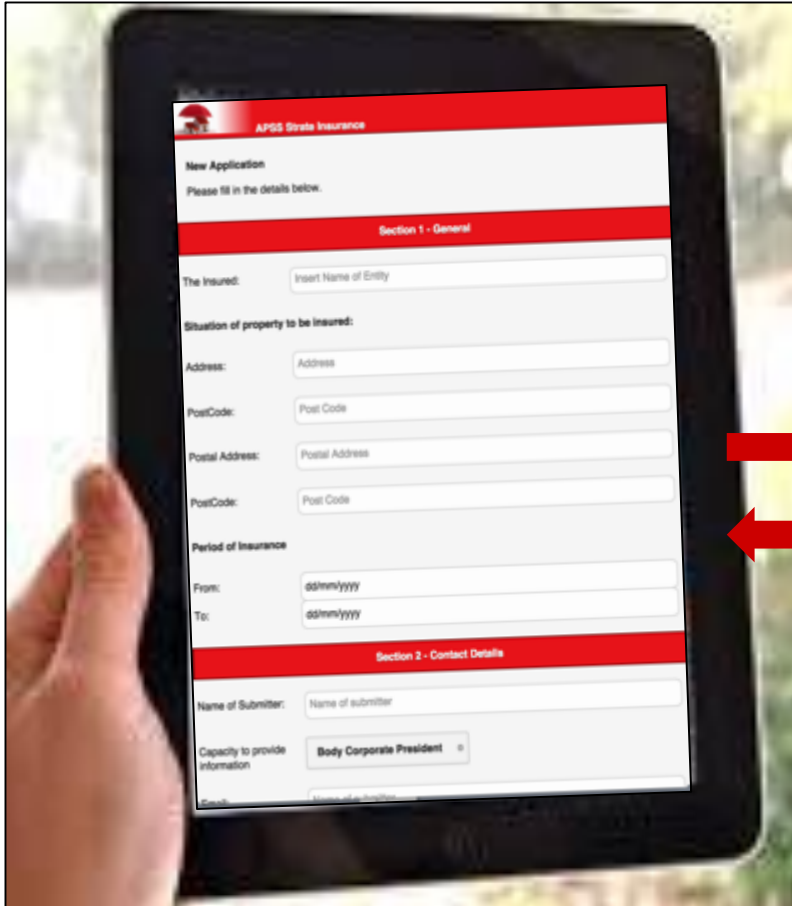
- 빠른 확장: 6M 고객 → 200M
- 기존 은행 대비 90% 저렴
- 빅데이터: 소셜 디지털 은행의 핵심
- IOE 제거

# Active-Active 데이터센터 with Bank-in-a-Box

- 고성능 및 새로운 개념의 단순화 된 분산아키텍처 구현
- 지속적인 사용자 증가에 대비한 확장성 확보
- 실시간 빅데이터 분석을 지원하기 위한 단일 Data River 구성

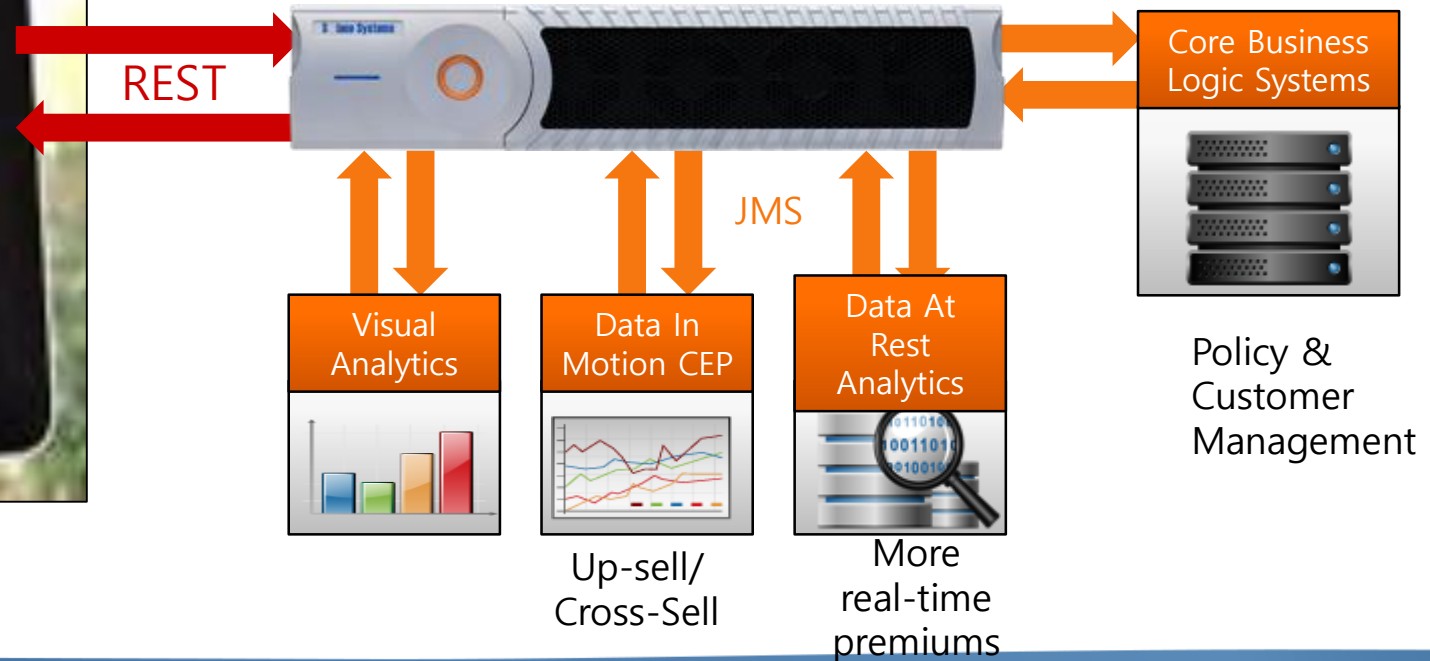


# 혁신적인 디지털 백본(Digital River) 아키텍처



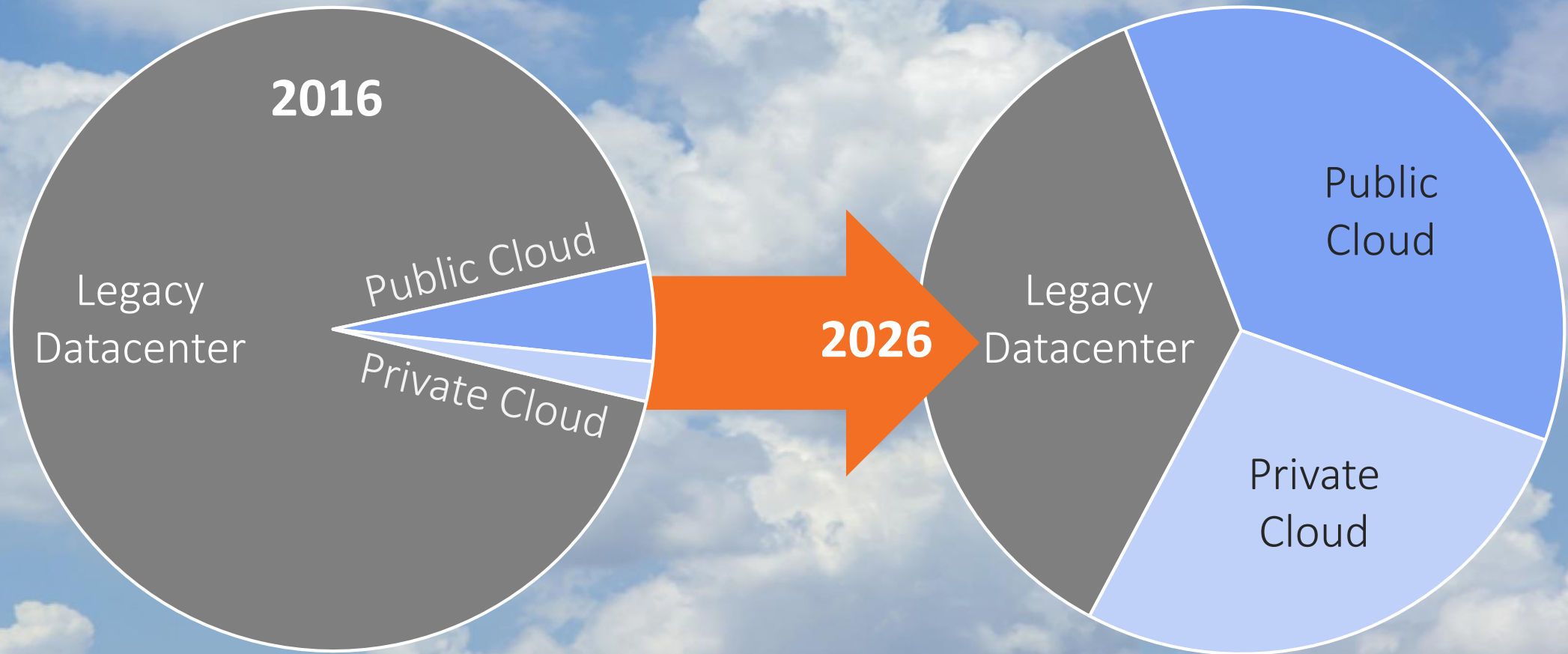
- No Web/WAS Servers
- 최대 동시 접속 200,000 수용 가능

- Hardware Transport
- Filtering and Routing
- Shock Absorber
- Guaranteed Messaging
- Load Balancing
- Multi-Protocol





# The shift to the cloud is on...



# 비즈니스를 클라우드로 마이그레이션 시 우선 순위는 ?

**확장성**

Futureproof

**FREEDOM**

Avoid Lock-in

**유연성**

Migrate Workloads

**연속성**

Avoid Disruption of  
Business Activities

**효율성**

DevOps Toolchain

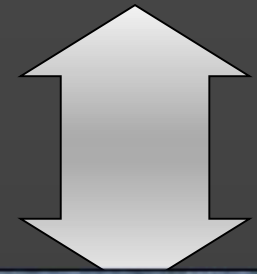
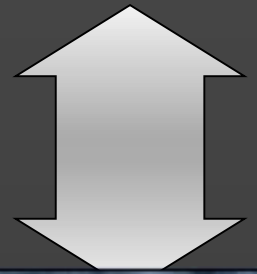
엔터프라이즈  
어플리케이션

빅데이터

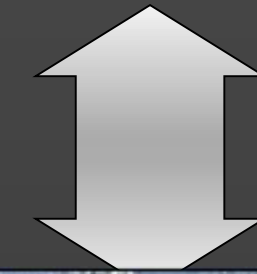
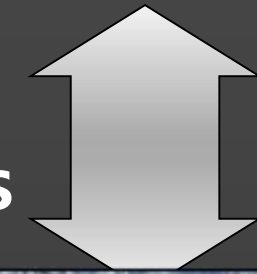
All of Your  
Applications

사물인터넷

웹 &  
모바일



All of Your  
APIs & Protocols

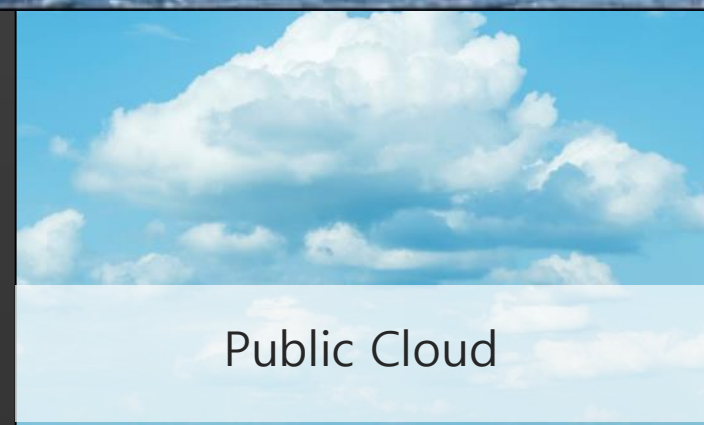


Publish/Subscribe  
Request/Reply  
Streaming

Digital River



Private Cloud



Public Cloud



On Prem

All of Your  
Environments

# 데이터 이동 패턴 – Magic Quadrant

In Only

In Out

Why do APIs  
just focus  
here??

Out Only

Out In

# 클라우드 적용 전략

**Big Bang**



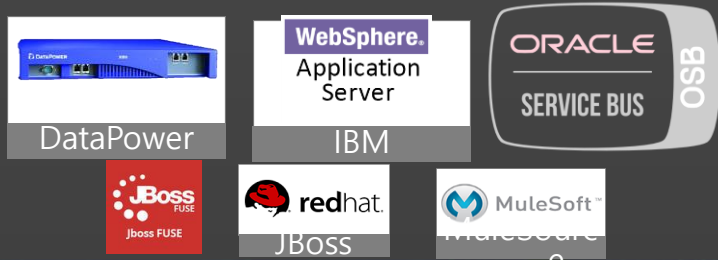
**Hybrid**



# Digital River

다양한 어플리케이션 및 환경을 위한 단일화된 엔터프라이즈 메시징 플랫폼

## Enterprise Applications



## Big Data Applications

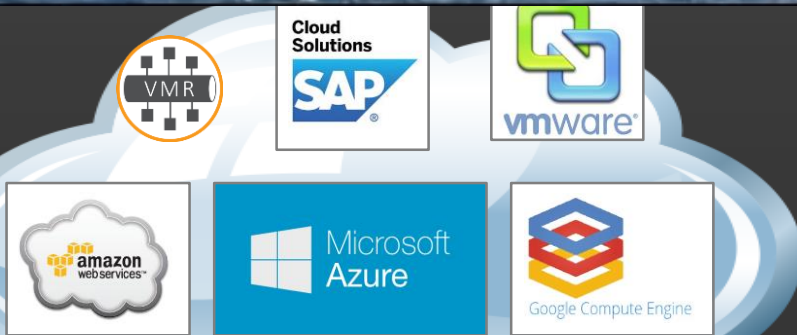


## Mobile Applications

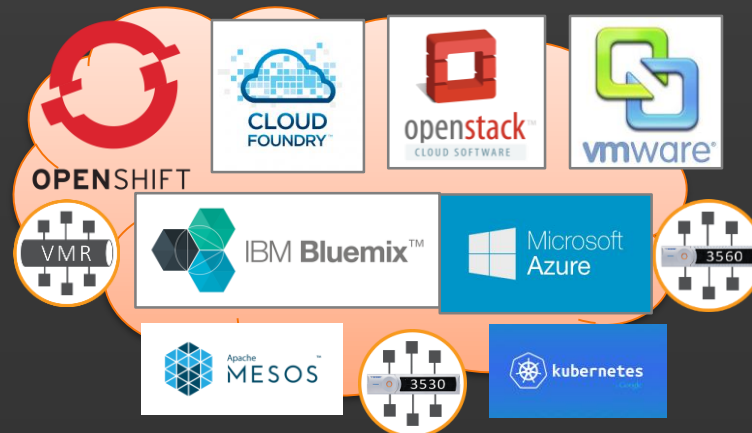


Publish/Subscribe  
Request/Reply  
Streaming

## Digital River



Public Cloud

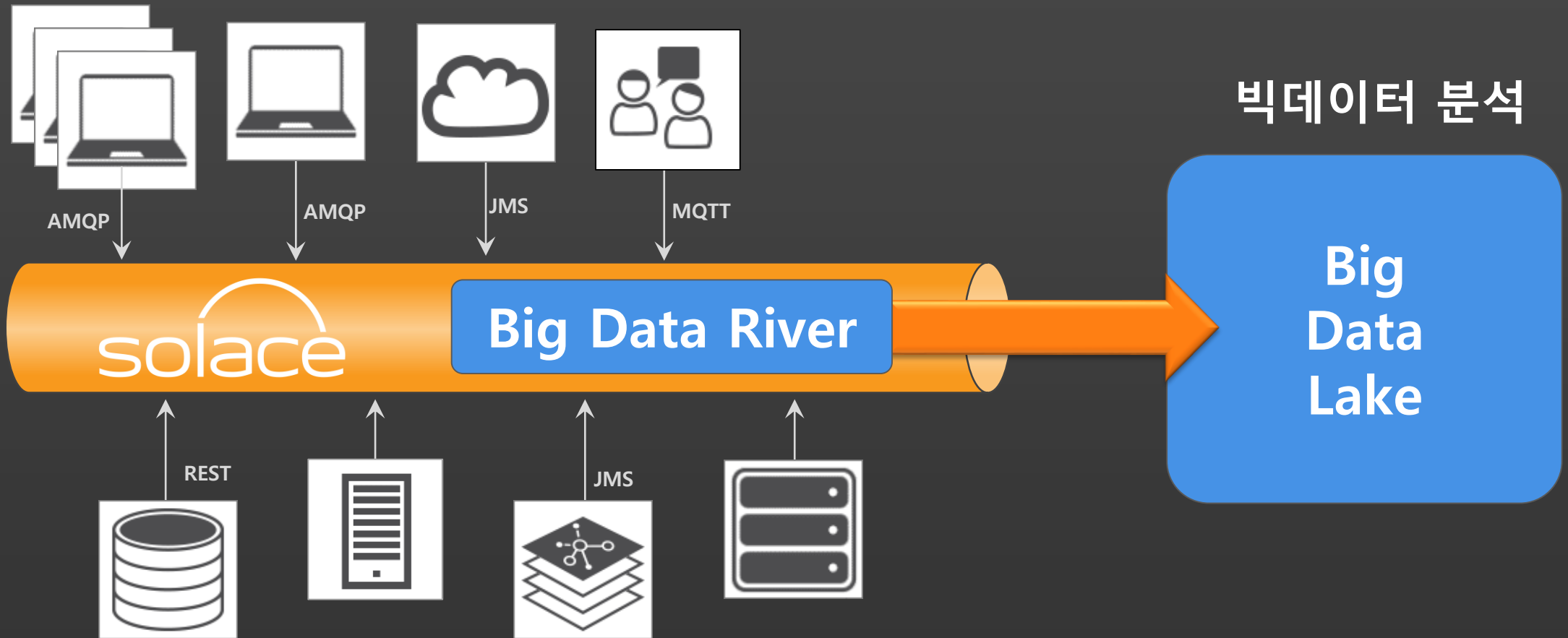


Private Cloud



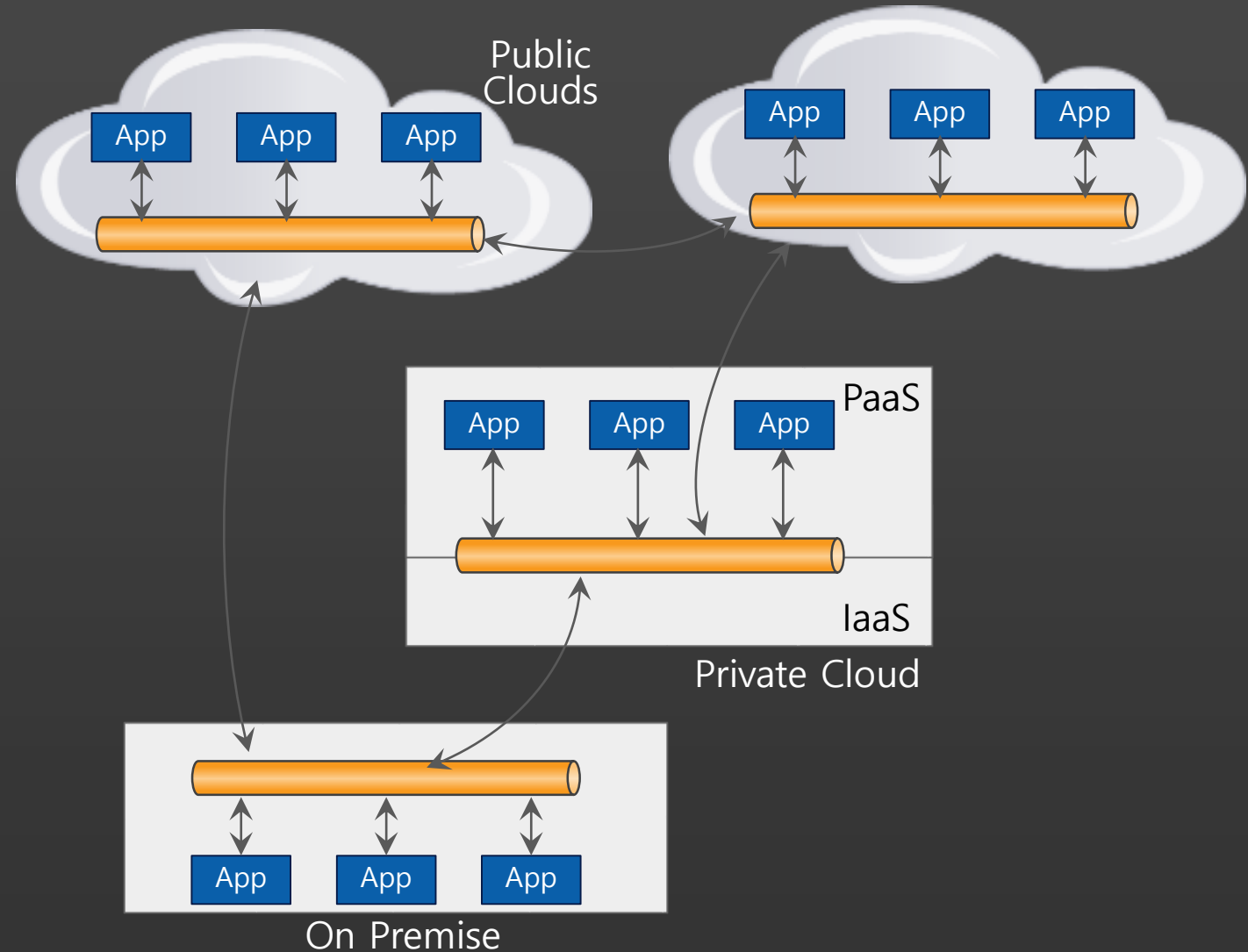
Bare Metal

# Big Data River Meets Data Lake



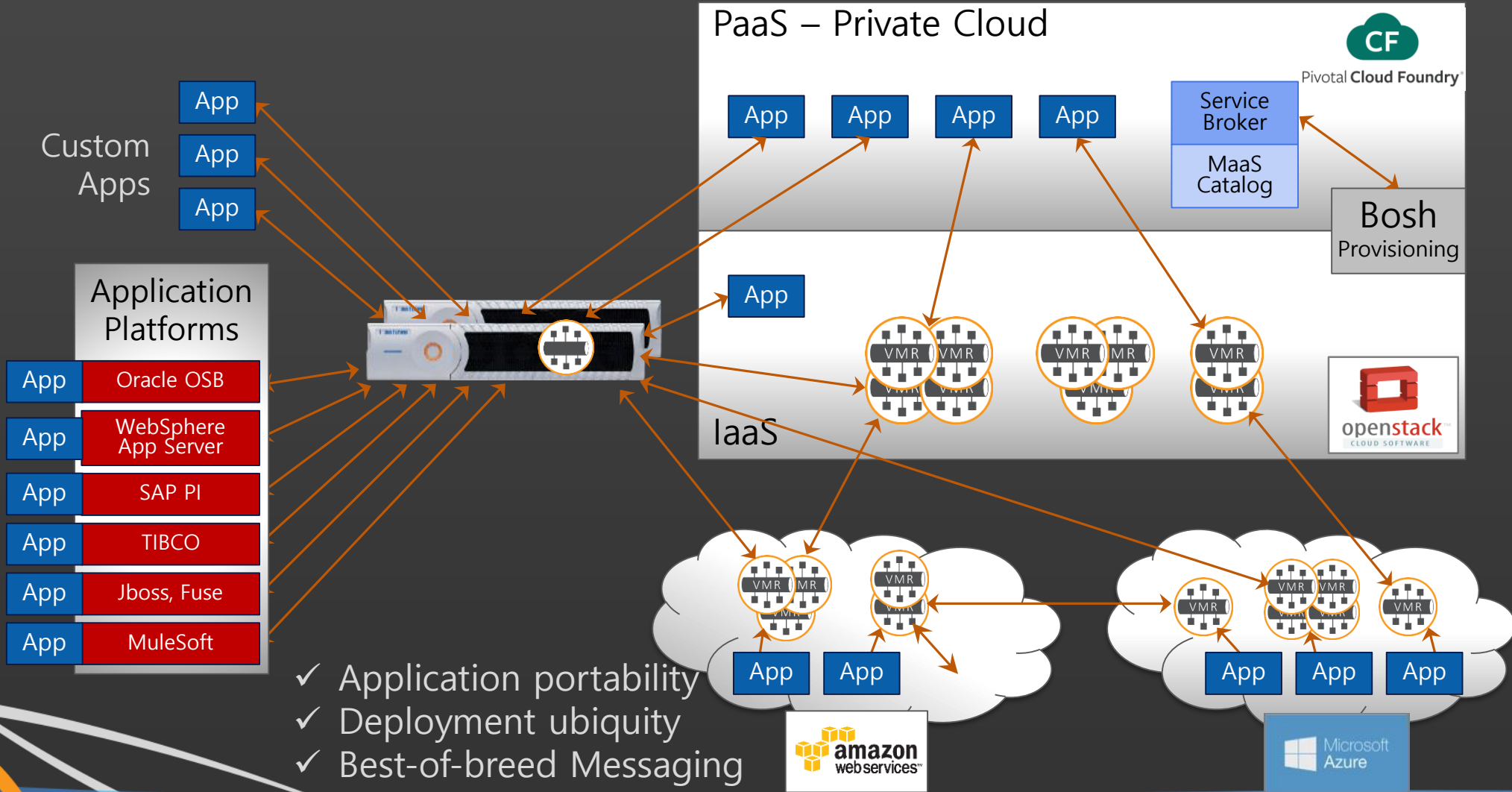
# 클라우드 마이그레이션

- 대기업은 워크로드를 클라우드로 이동하며 새로운 IT 전략 수립
- PaaS 아키텍처 기반의 클라우드 어플리케이션 개발 및 배포
- Public cloud, private cloud 그리고 on-premise systems에 걸쳐서 작업 수행



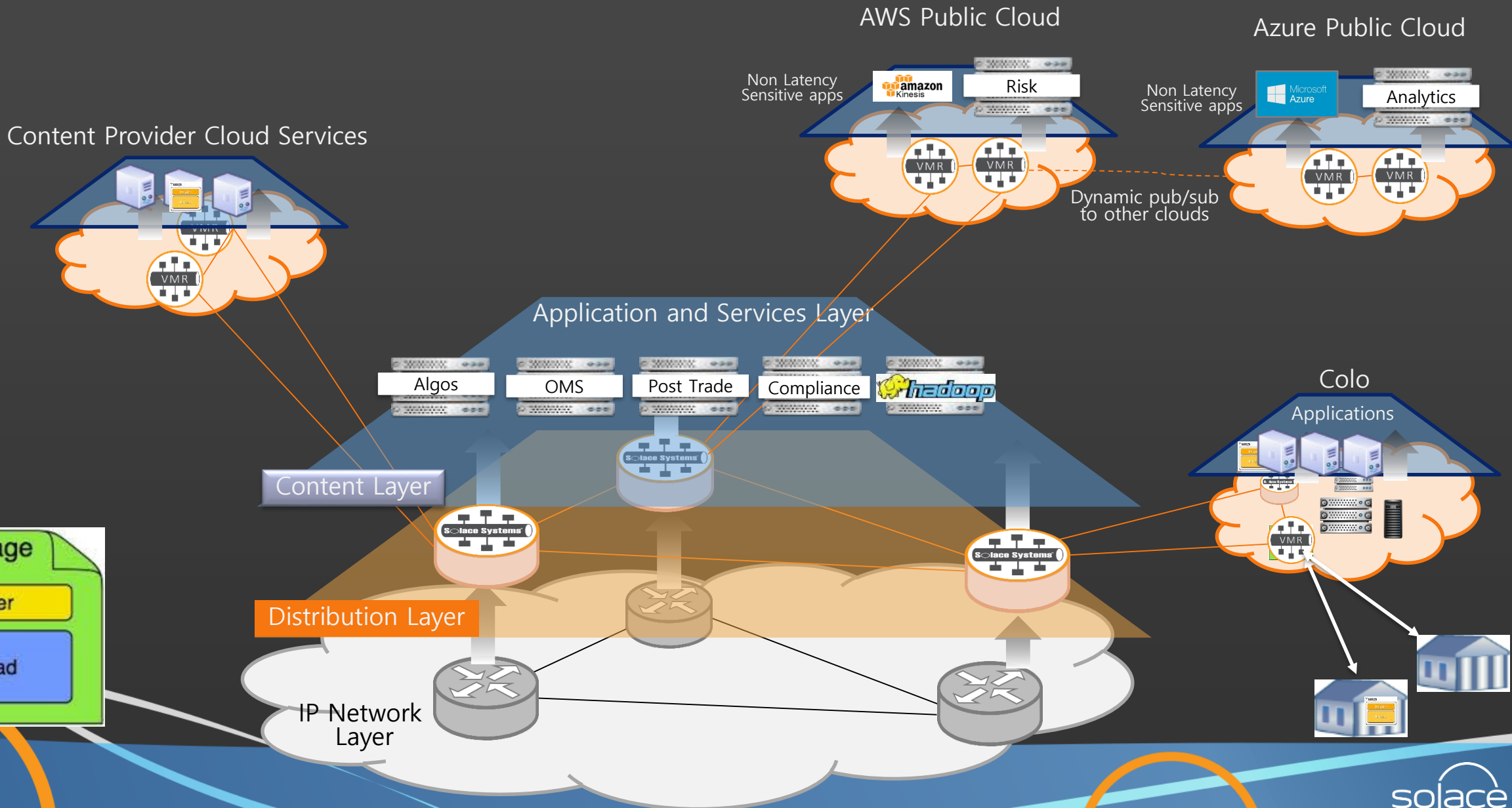


# 하이브리드 클라우드 적용을 위한 "Data River"



- ✓ Application portability
- ✓ Deployment ubiquity
- ✓ Best-of-breed Messaging

# 클라우드 활용 - Digital Data River



# 디지털 비즈니스를 위한 SAP 클라우드



# Data River를 통한 데이터 분석 고도화



## *Open Data Movement*

### 확장성

Cloud-native software,  
hardware appliances

### FREEDOM

Open APIs  
and protocols

### 유연성

Runs in  
all clouds

### 연속성

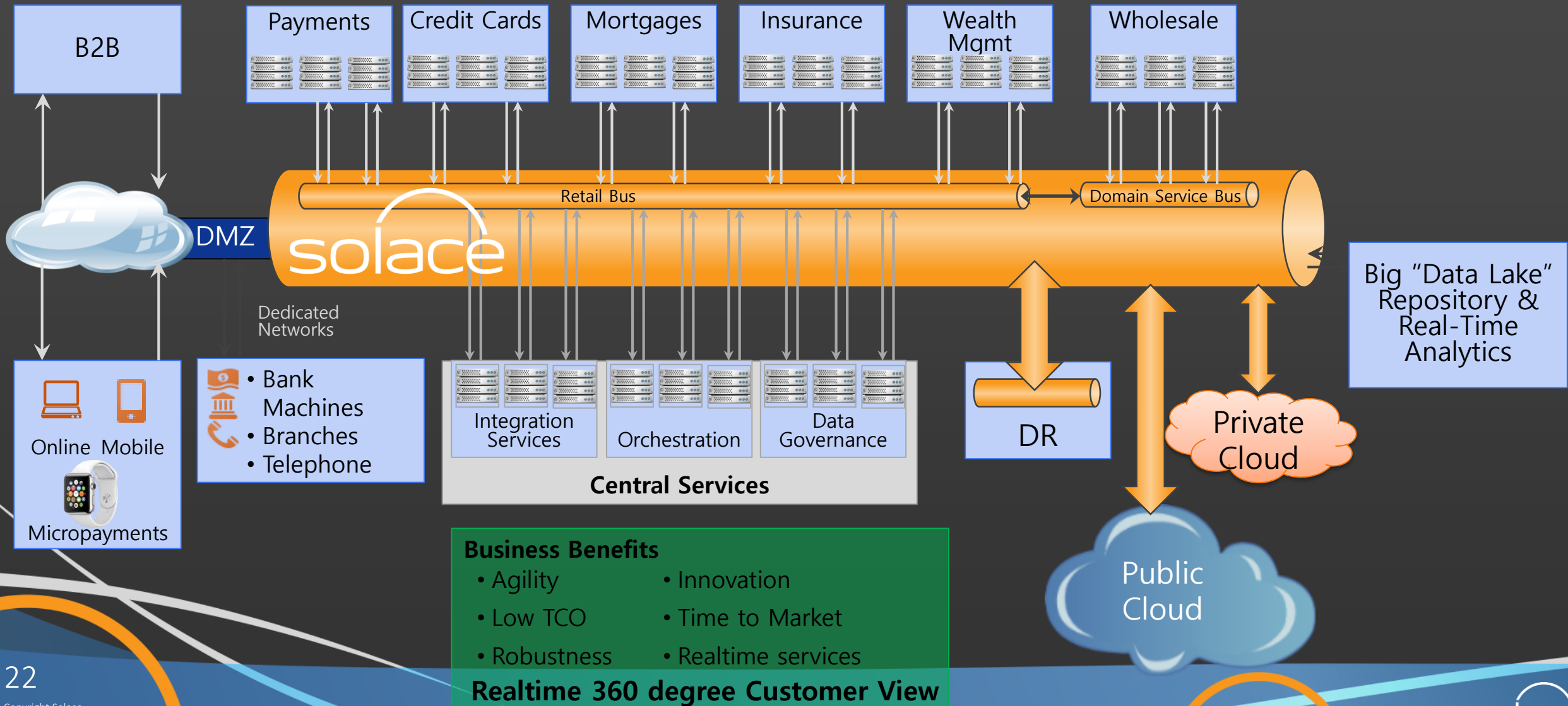
Built-in HA and DR

### 효율성

Integrated with  
DevOps toolchain



# FSI Event-Driven Architecture



**Business Benefits**

- Agility
- Innovation
- Low TCO
- Time to Market
- Robustness
- Realtime services

**Realtime 360 degree Customer View**



**Open Data Movement lets you  
migrate your business to the cloud**

A single data sharing fabric that links all of your  
applications across all of your environments

***The Digital River***

# 솔라스 개발자 포털

## dev.solace.com

- 무료 다운로드
- 기술 자료
- 블로그



# Questions?

감사합니다

[eunsuk.yoon@solace.com](mailto:eunsuk.yoon@solace.com)