

OSS Trends and Achievements in Korea

Korea Open Source Software Promotion Forum

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Agenda

I Korea OSS Market

II In Korea OSS Trends

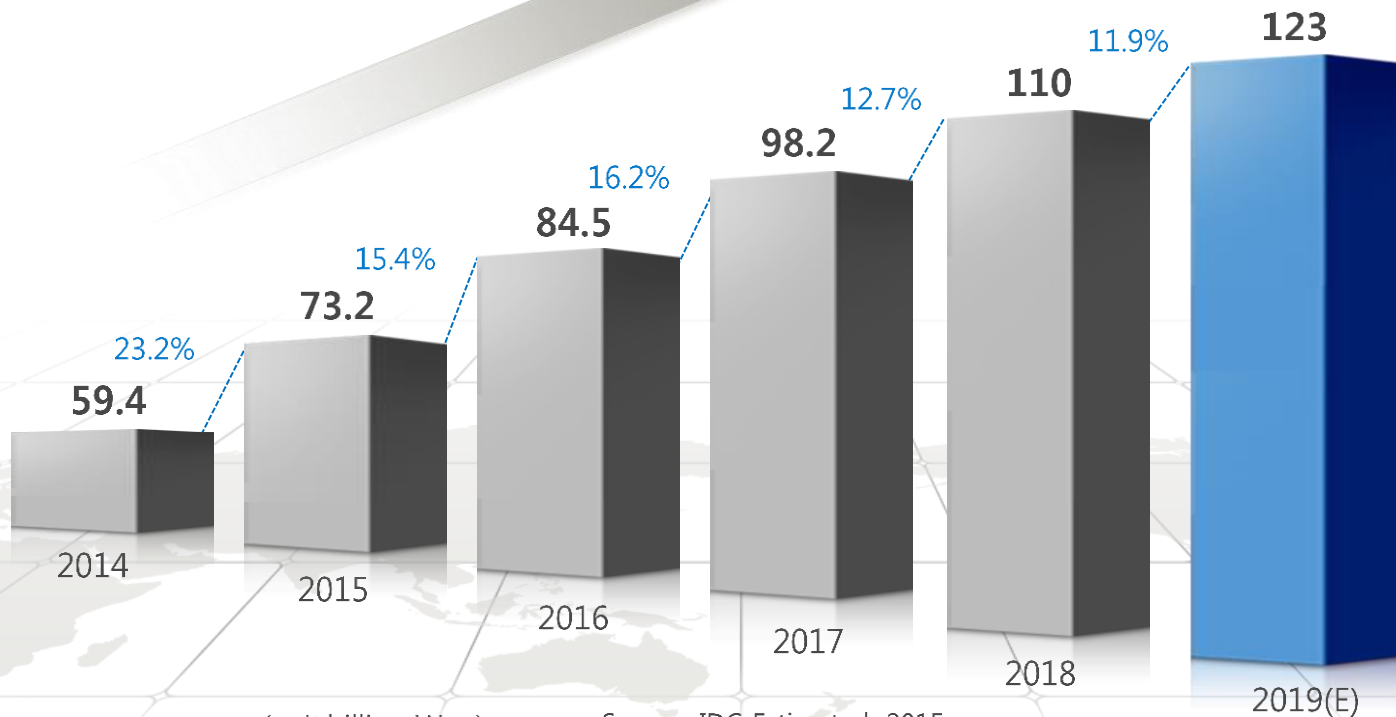
III Succession Case of Korea OSS

Korea OSS Market Overview

Korea Open Source Software/Service Revenue

- 2014 Local OSS market reached 59.4 billion Korean won.
- YoY 23.2% growth.
- CAGR 13% after 2014

CAGR
32.2%



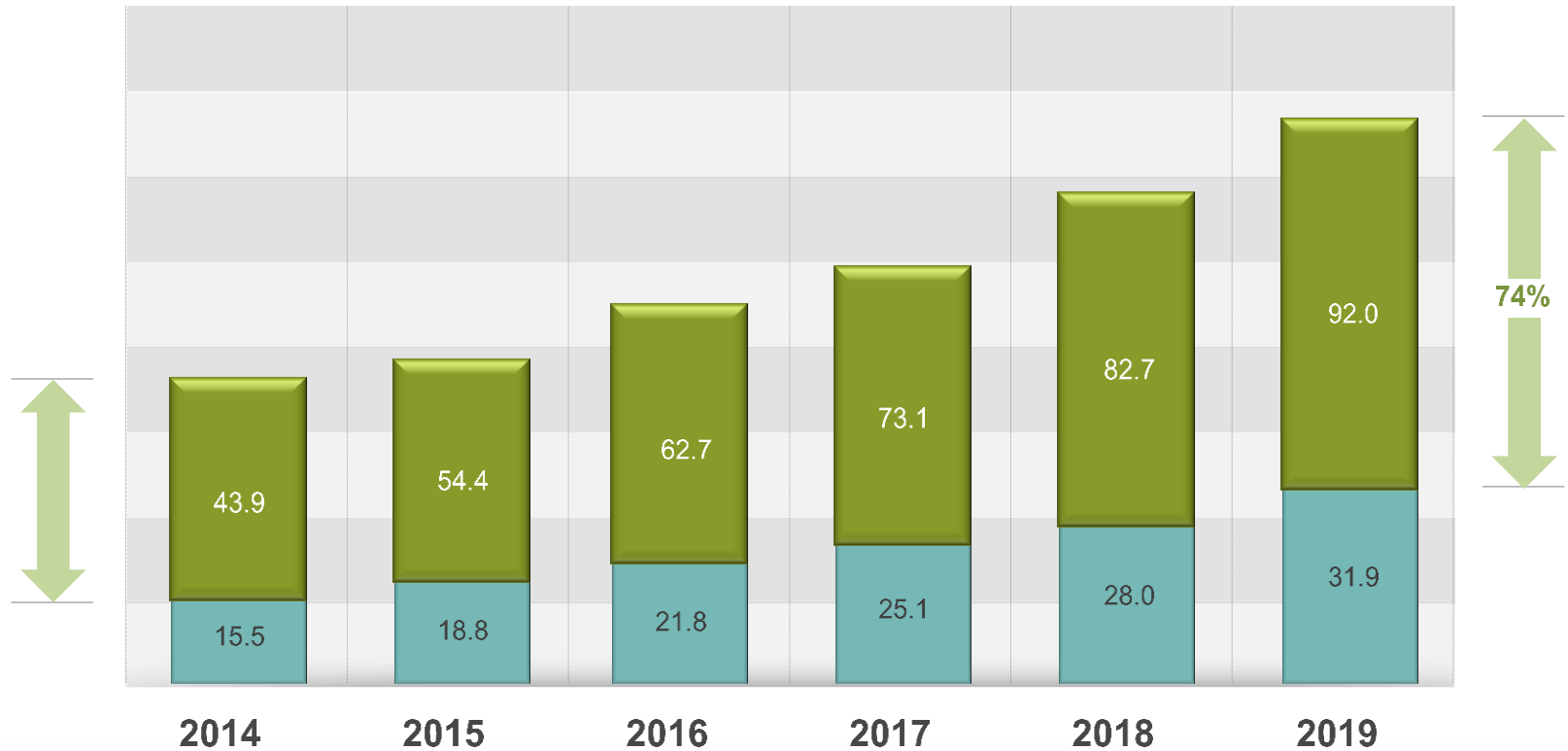
(unit: billion Won)

Source: IDC Estimated, 2015

Korea OSS Market Overview

Korea OSS Revenue Forecast by SW & Service

unit: billion Won



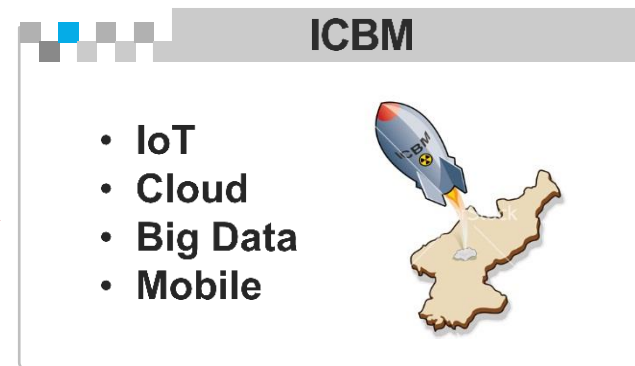
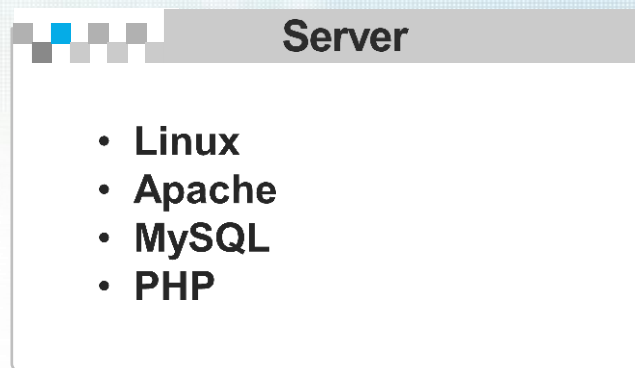
OSS SW



OSS Service

Source: IDC Estimated, 2015

In Korea OSS Trends..



The background features a large, light blue triangle pointing towards the bottom right. To the left of this triangle is a cluster of small, semi-transparent squares in various colors including pink, orange, yellow, green, and blue, arranged in a somewhat circular pattern. A dark grey triangle is visible in the bottom left corner, partially overlapping the blue triangle.

Successful Cases of OSS Adoption

Successful Cases of OSS Adoption

SW programming school system(Education)

- . Social contribution by Naver
- . SW learning application based on OSS
- . Monggo DB, Node.js, Creat.js, Angular.js

Open SW-based SW education platform



- ▶ Construct an online SW education platform with open SW
- ▶ Adopt it as an educational tool by SW education leading schools and research schools appointed by the government
- ▶ Open the relevant source codes



Web Application

Consolidated NW control System (Telco)

- . Fixed & mobile NW management(KT N-Watch)
- . Cent OS, Zabbix, Mongo DB
- . Provide Cloud & Big Data connectivity

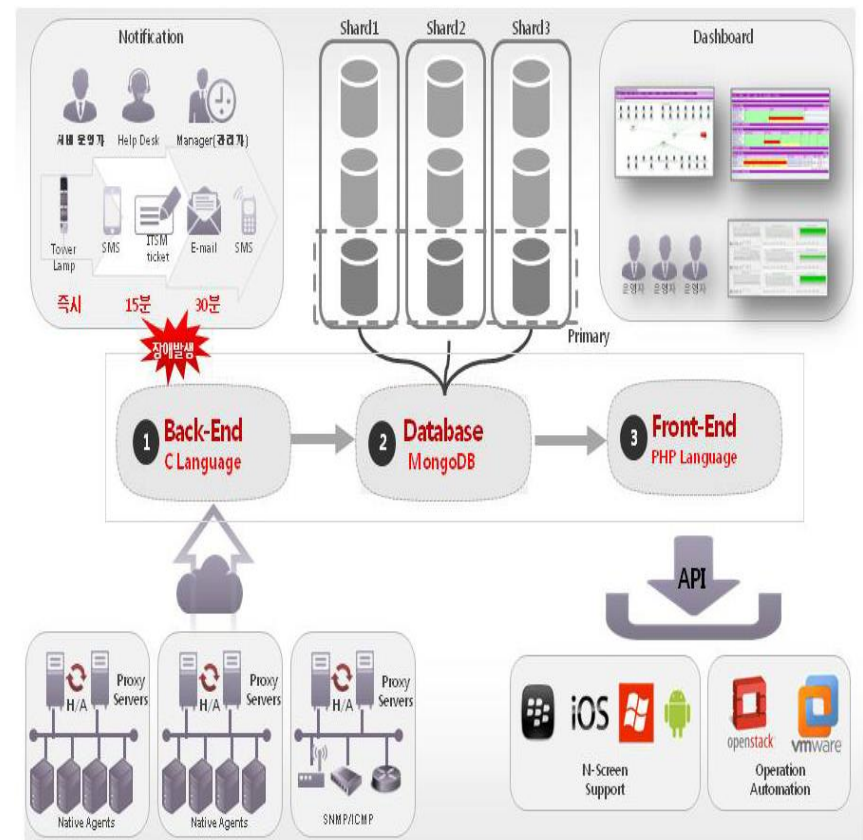
Containing the new growth engine

- KT DS conducts the whole wired and wireless network infra of KT
- Development of open SW Zabbix-based integrated monitoring system (N-Watch)
- Promote cost saving measures, compatibility, and combination with big data through the introduction of open SW

OSS = Variety + Challenge !



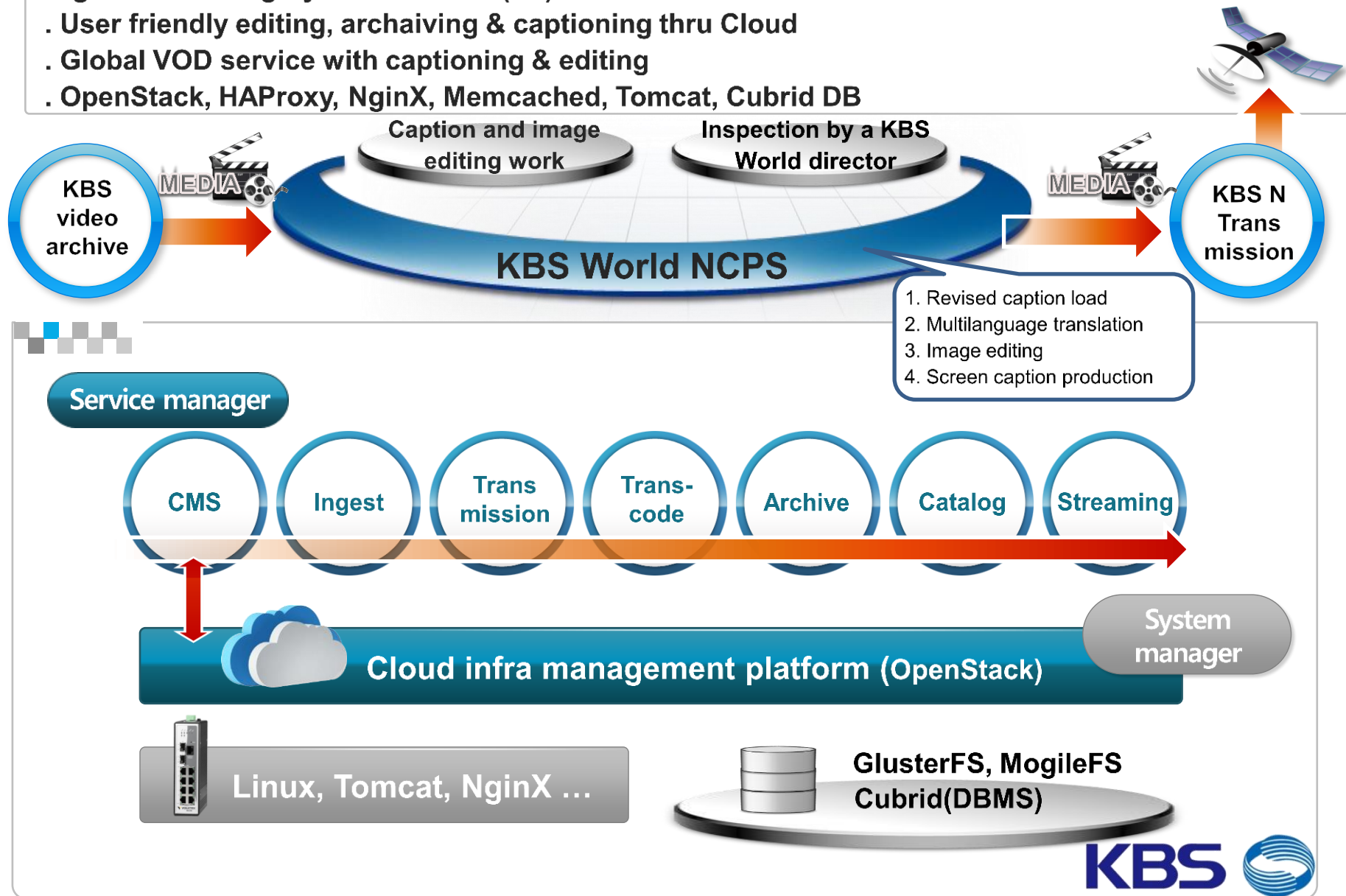
N-Watch Architecture



Cloud

Digital Archiving System in Media(TV)

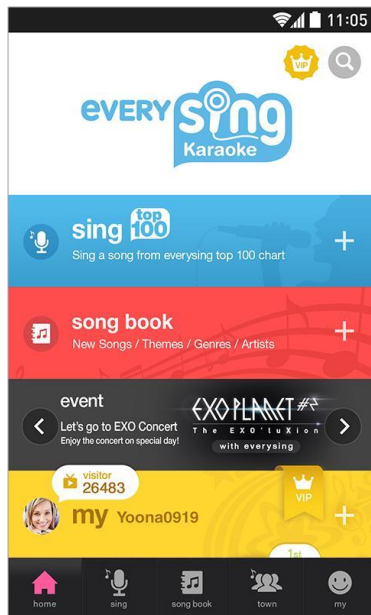
- . User friendly editing, archiving & captioning thru Cloud
- . Global VOD service with captioning & editing
- . OpenStack, HAProxy, NginX, Memcached, Tomcat, Cubrid DB



Mobile + Cloud

Cloud(AWS) based smart music production system

- “Every Sing” by SM entertainment
- . Provide K-pop, singing, A/V recording, Audition, SNS



- **Open CV / VSD License**

- Android recording function



- **SoundTouch / LGPL License**

- Karaoke Key control function(Android/IOS)



- **ScalableLayout / Apache License**

- Response to various resolutions of Android devices

- **AFNetworking / MIT License**

- iOS HTTP communication, asynchronous image processing



Everysing application
(Android / IOS)

User recording / record upload

AWS Cloud

TomcatServer / Apache License

- Everysing web server function provision



FFMPEG / LGPL License (Binary use)
User recording / record encoding function provision



Everysing
Encoding System



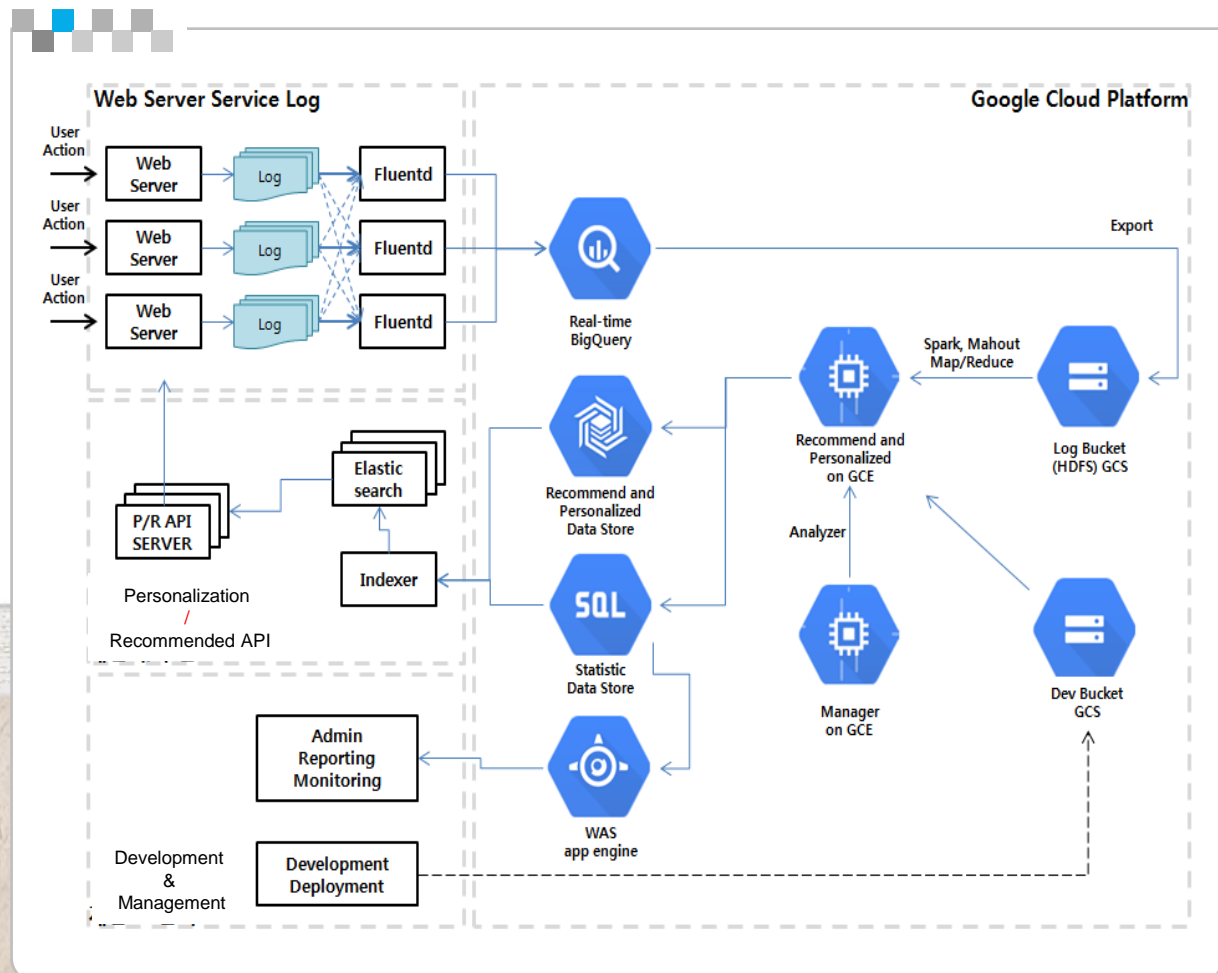
Upload to YouTube



Big data

Powerful Search Engine (Social Commerce)

- . 18M customers, 3B U\$ mobile commerce(Wemap)
- . Customer friendly, Fast & Effective search
- . Fluentd, Hbase, Spark, MySQL

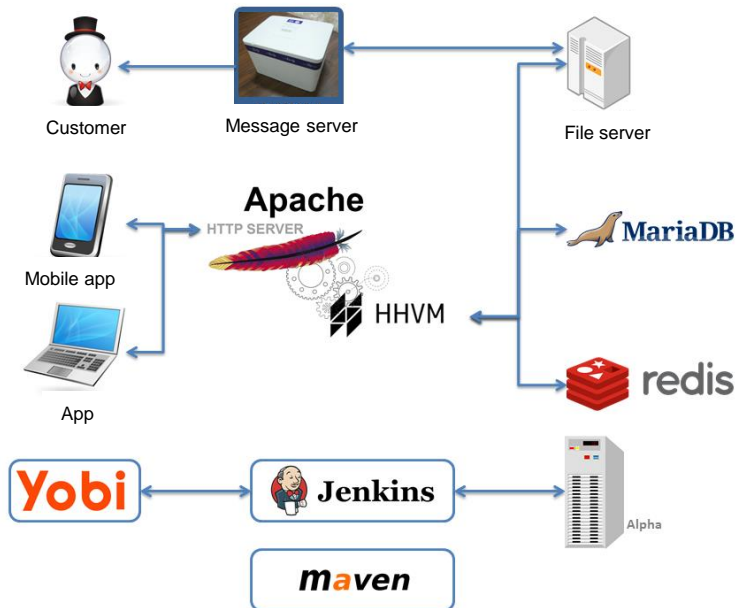


Mobile

Cold chain system for Organic food

- . Door to door & next morning delivery
- . Flexible changes, Expansion & Optimization

Organic food through open SW



- Realize zero cost by constructing the entire system in open SW
- Complete system development within 3months



MARKET
Kurly



THANK YOU