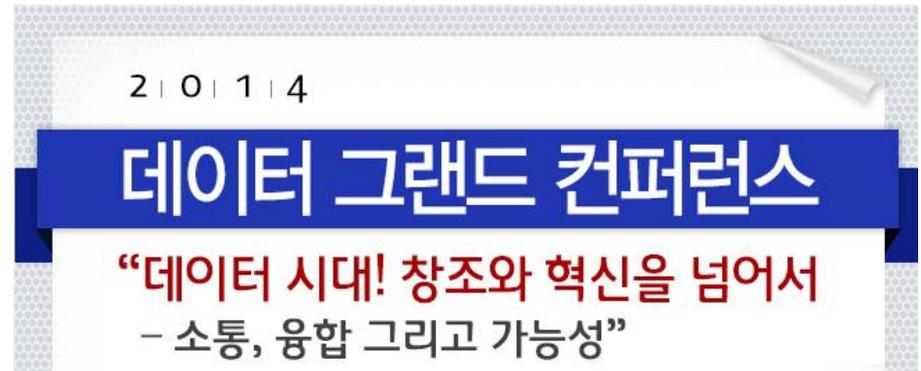
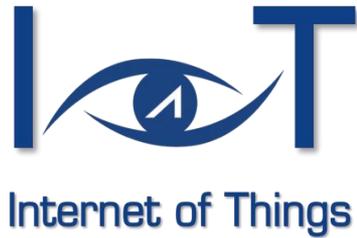


In-Memory As A Data Innovation

(주)알티베이스 전략기획본부장

김 한 도

ALTIBASE DBMS 세계의 시선



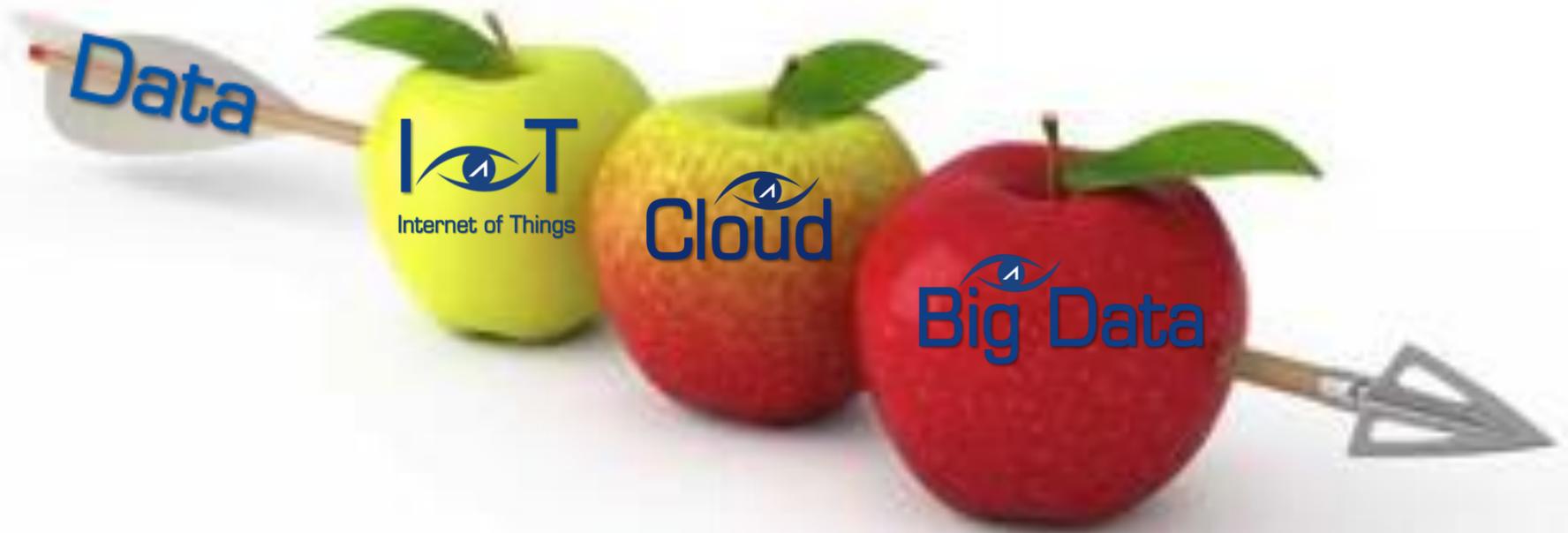


ISTOCKPHOTO

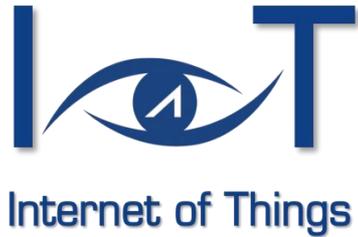
But, Buzzwords?

Data Innovation

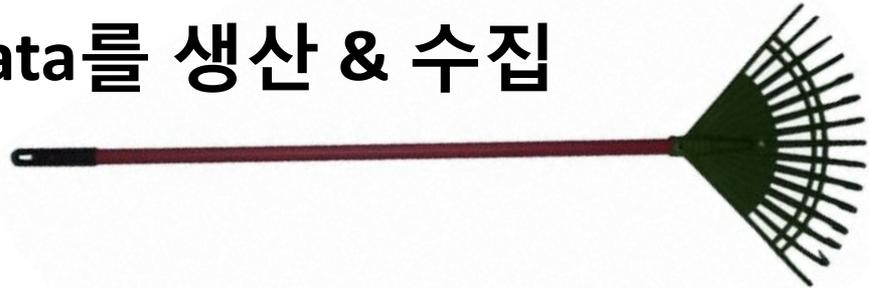
Data로 관통하는 트렌드



Data로 관통하는 트렌드



Data를 생산 & 수집

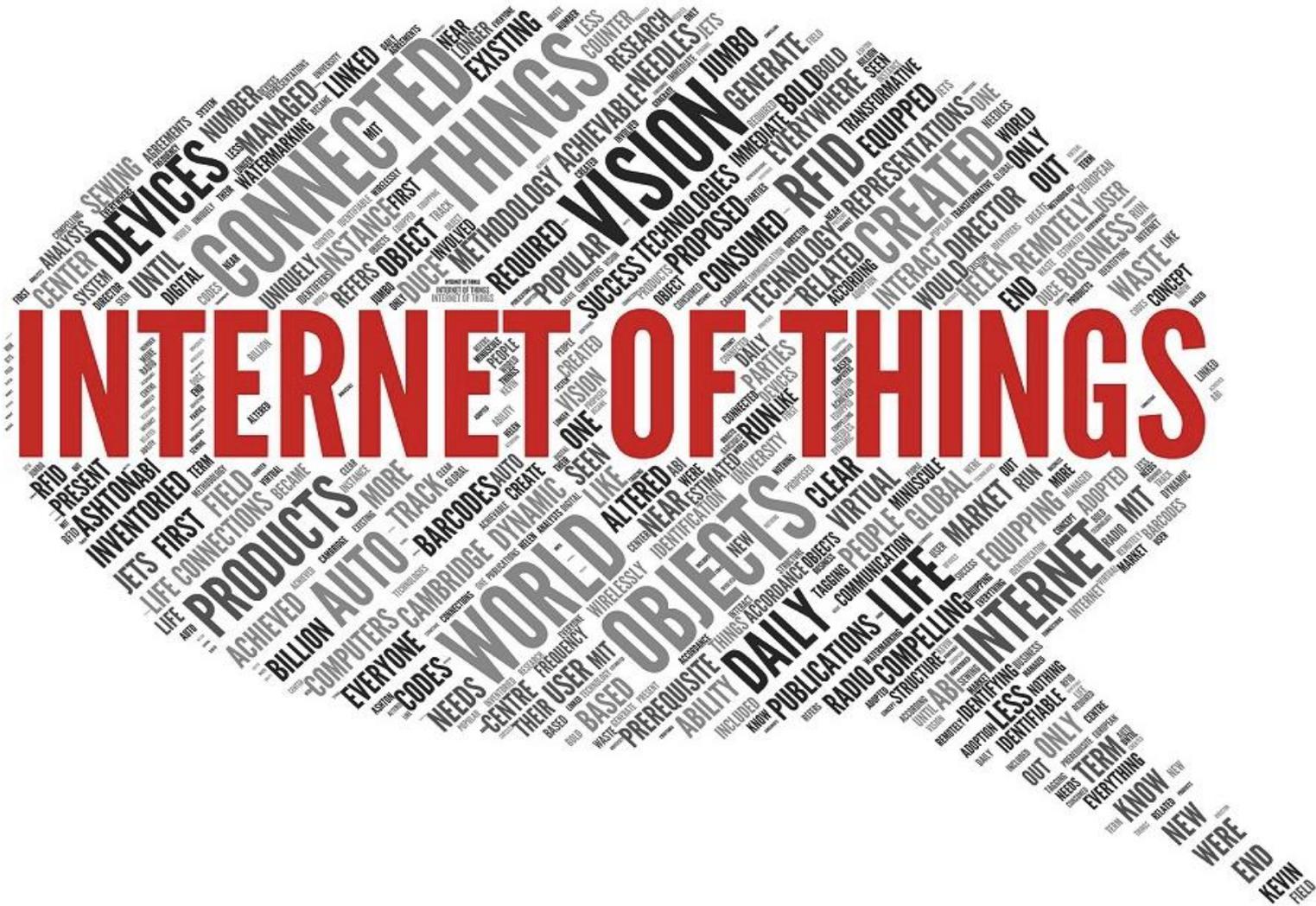


Data를 저장하는 그릇



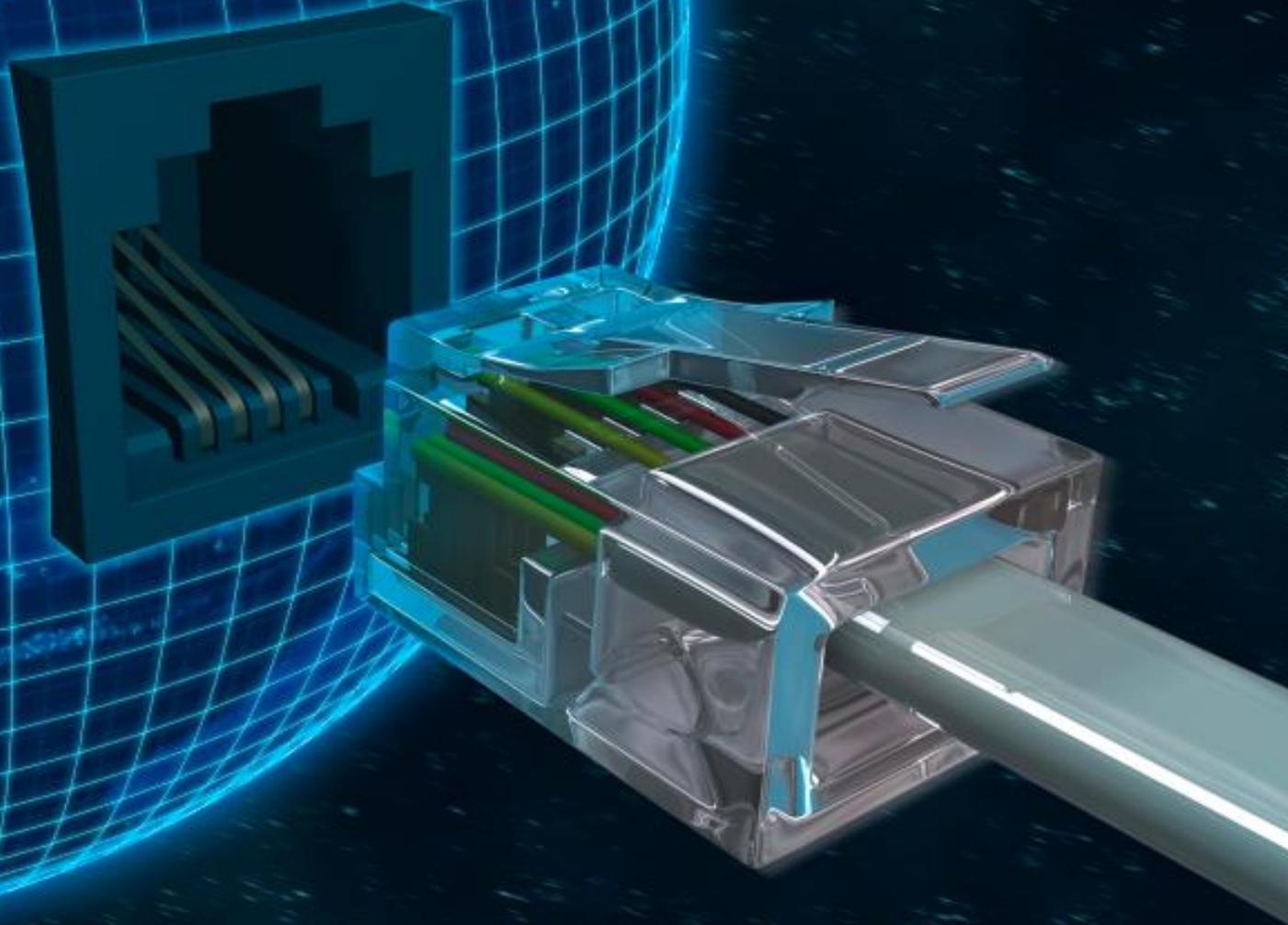
Data에 의미 부여





2014 Best Trend

세상을 연결하는 IoT

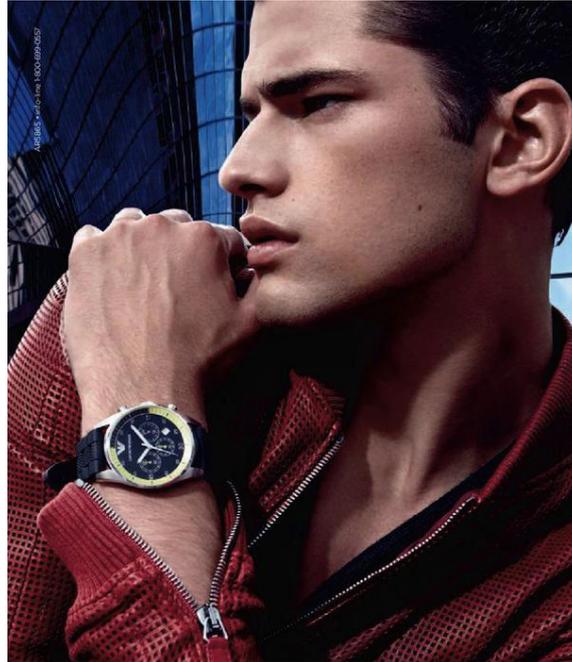




평가절하되고 있는 IoT



우리가 시계를 차는 이유 Smart or Fashion?

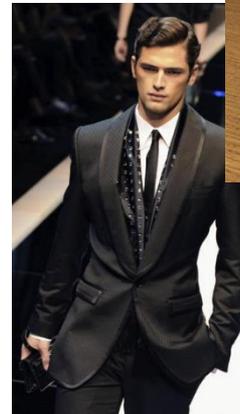


시저의 것은 시저에게

Internet of

Things

IT Infrastructure

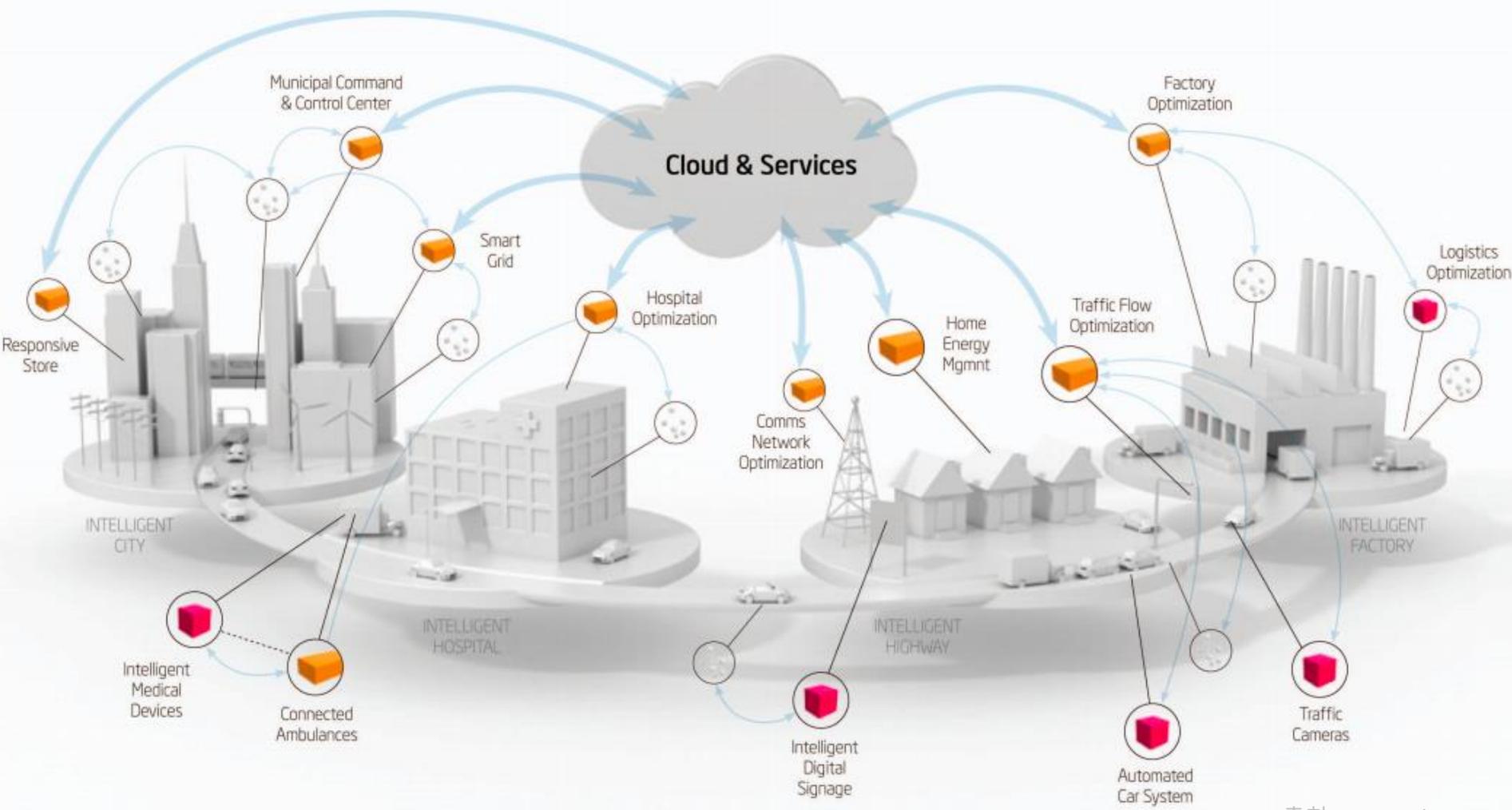


Cloud : Data를 저장하는 그릇



Cloud As A Data Sharing





IoT 스트리밍 데이터는 결국 클라우드로

Big Data : 데이터에 의미를 부여



Big Data로 달라진 것은...



Psy가 아니라

Psy를 바라보는 우리의 눈



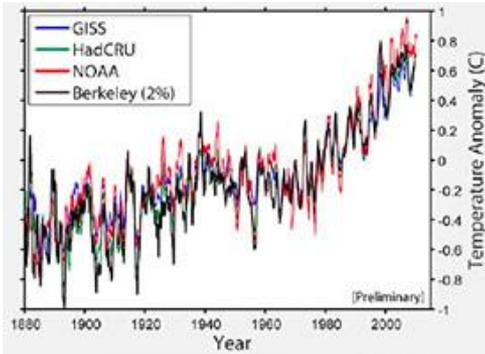
Big Data도 마찬가지로

갑자기 변한 것은 데이터를

바라보는 우리의 눈

Big Data란? 데이터의 강에서 사금을 채취하는 것

지금껏 데이터는 의도를 뒷받침하는 역할을 수행



| Segment | Outdoor Protection | Products |
|---------------------|----------------------|-----------------------|
| 44,244,120.93 | 8,141,169.76 | 178,793,580.36 |
| 12,046,323.14 | 6,455,901.27 | 101,072,721.10 |
| 49,583,401.41 | 13,735,716.85 | 473,771,464.65 |
| 3,705,129.72 | 858,775.41 | 13,905,918.75 |
| 8,396,407.78 | 1,402,530.23 | 22,766,850.51 |
| 29,322,537.92 | 4,135,915.35 | 95,402,796.21 |
| 6,255,930.08 | 1,435,512.20 | 28,639,472.14 |
| 3,553,850.98 | 36,165,521.07 | 914,352,803.72 |
| 27,340,352.57 | 3,203,287.70 | 107,160,284.09 |
| 7,720,215.67 | 2,672,442.62 | 79,721,524.37 |

| | | | |
|---------------------|-----------------------|-----------------------|----------------|
| 2005 | Telephone | 71,202,420.24 | 27,340,352.57 |
| | Sales visit | 43,352,874.97 | 7,720,215.67 |
| | Web | 270,463,415.88 | 116,939,694.38 |
| | Special | 5,012,986.47 | 1,259,633.25 |
| | Mail | 8,846,759.96 | 2,355,735.00 |
| | E-mail | 21,291,005.31 | 8,851,232.61 |
| Fax | 6,228,274.27 | 3,539,563.59 | |
| Order method | 402,757,573.17 | 168,006,427.07 | |
| 2006 | Telephone | 17,715,451.40 | 6,411,233.64 |
| | Sales visit | 37,660,178.39 | 10,562,039.68 |
| | Web | 426,353,675.75 | 203,385,896.61 |
| | Special | 332,095.44 | |
| | Mail | 2,482,266.26 | 1,941,144.70 |
| | E-mail | 10,612,304.02 | 5,401,733.78 |
| Fax | 5,226,451.57 | 2,408,222.14 | |
| Order method | 500,382,422.83 | 230,110,270.55 | |

SCIPRO

Quality Value

Your Reliable Source for Feed Additives

Performance Iron Amino Acid Complex Data Sheet

General Introduction

SCIPRO performance iron amino acid complex is a nutritional feed ingredient for animals with organic iron and proper balance of amino acid.

Thanks to its stable bond, therefore, it is able to improve feed quality.

SCIPRO performance iron amino acid complex is manufacturing one metal ion bound to one amino acid molecule, and this stable bond allows performance mineral to remain intact as it passes through the volatile stomach environment so they can reach the small intestine where it is easily absorbed into the bloodstream and then transported to tissues and organs for utilization. Moreover, it helps to reduce antagonistic performance, ensure the most bioavailability.

SCIPRO performance iron amino acid complex provides the essential nutrient animal need for various functions, such as growth and development, immunity, cell proliferation, etc. It also delivers positive animal performance responses and a strong return on investment.

SCIPRO performance iron amino acid complex enables to prevent animal farm ailments, and improve palatability and eventually improve feed quality.



Performance Iron Amino Acid Complex Specification (Standard)

| Type | Appearance | Iron % | Amino Acid % | As mg/kg | Pb mg/kg | Impurity % | Moisture % |
|----------|-------------|--------|--------------|----------|----------|------------|------------|
| VQ-F4100 | Light Brown | 10.0 | 20.0 | <10 | <20 | <40 | <5.0 |
| VQ-F4130 | Light Brown | 15.0 | 30.0 | <10 | <20 | <40 | <5.0 |

Important Announcement: The very definition in this paper cannot be regarded as the absolute of reference parameter. Seller has no any responsibility for the statement (claims) about products, the delivered packages and any losses in any countries. The buyer and the manufacturer product users have to be controlled in lab works, and they must validate their data and establish product according to their own applying condition.

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Tel: 86-28-8459-0891 Fax: 86-28-8459-0992 Email: info@scipro.com
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BigData는 의도를 넘어 의미를 발현

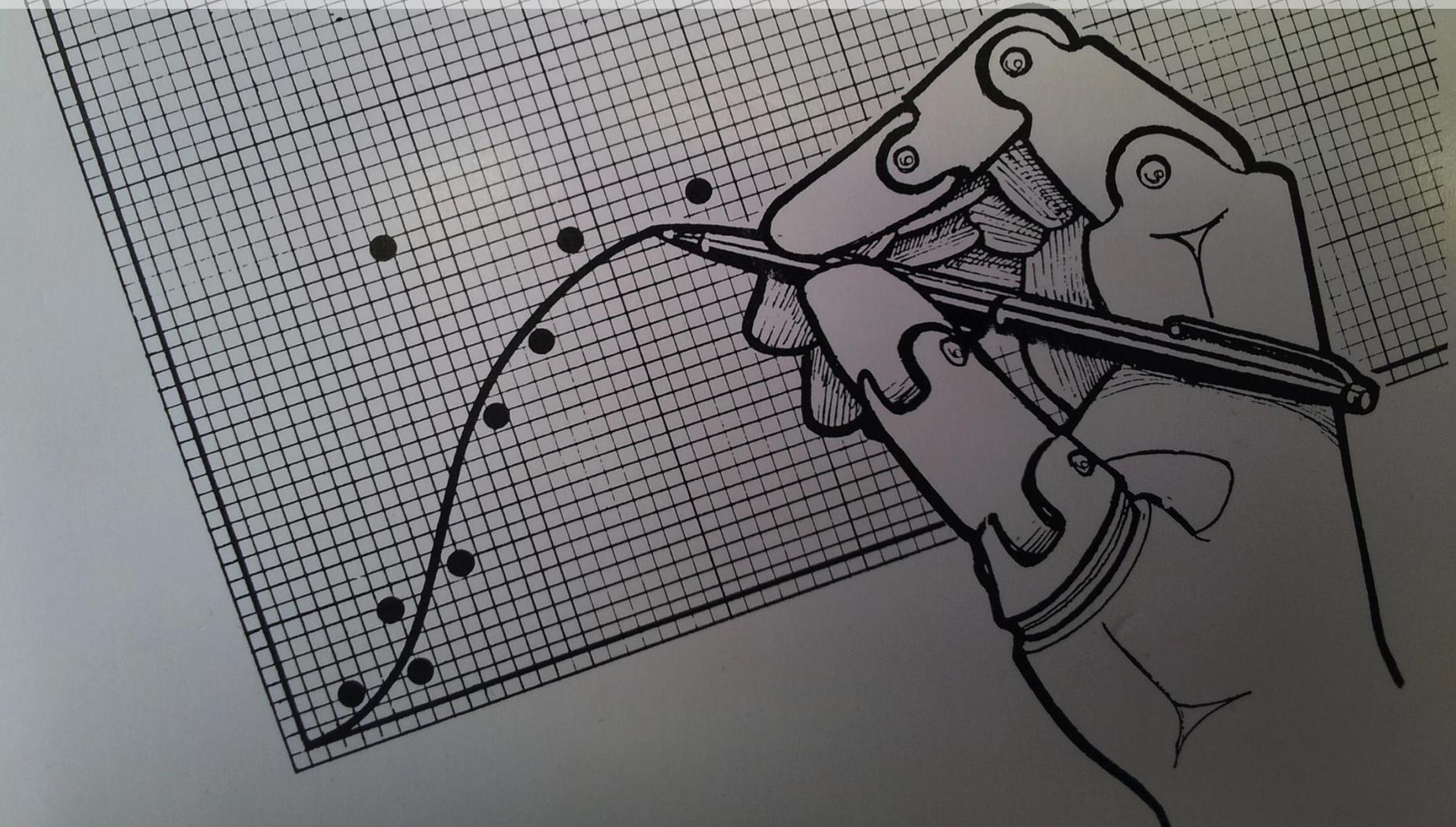
EUREKA!



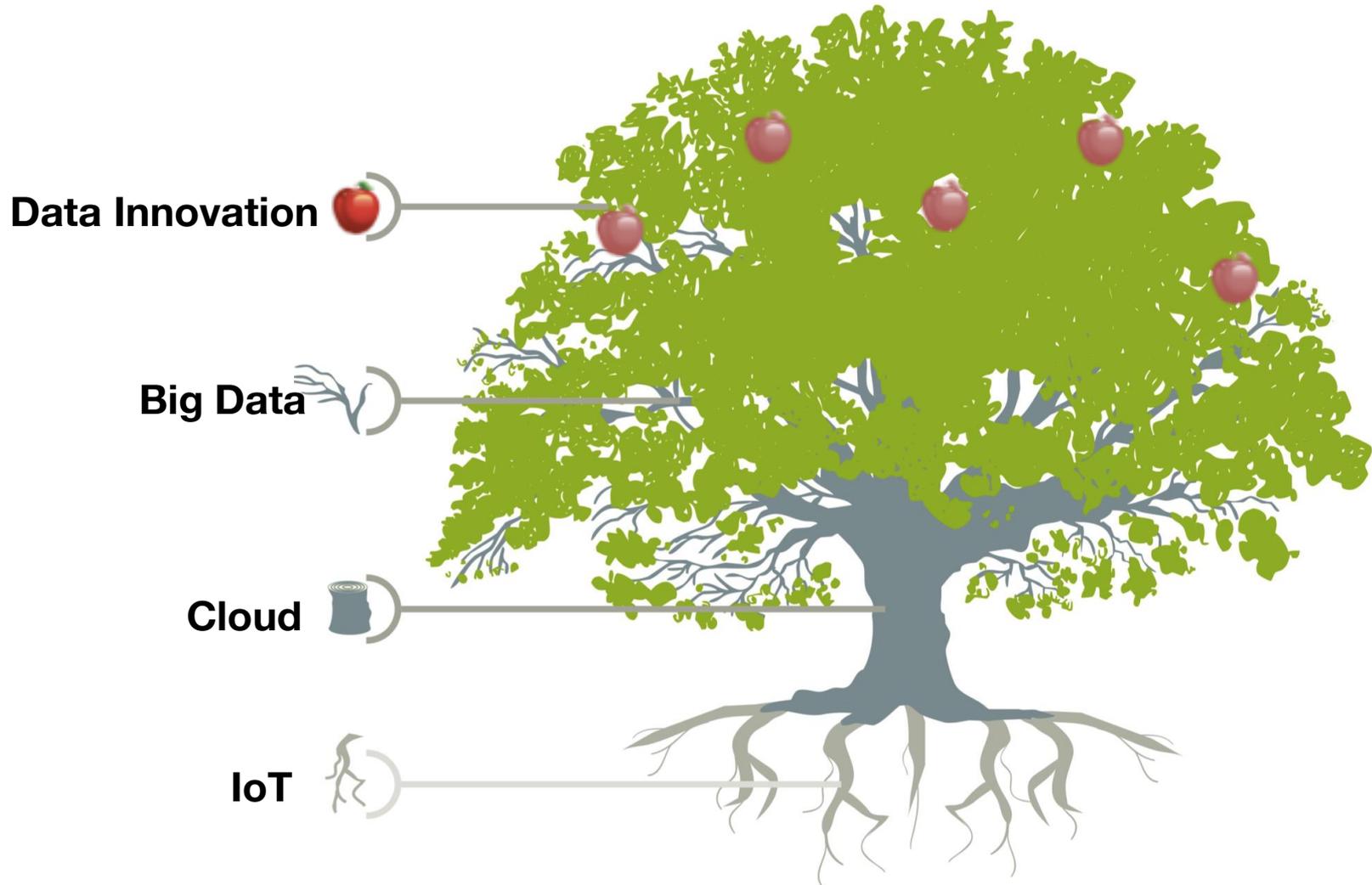
Big Data : 형사가 범인을 찾아가듯



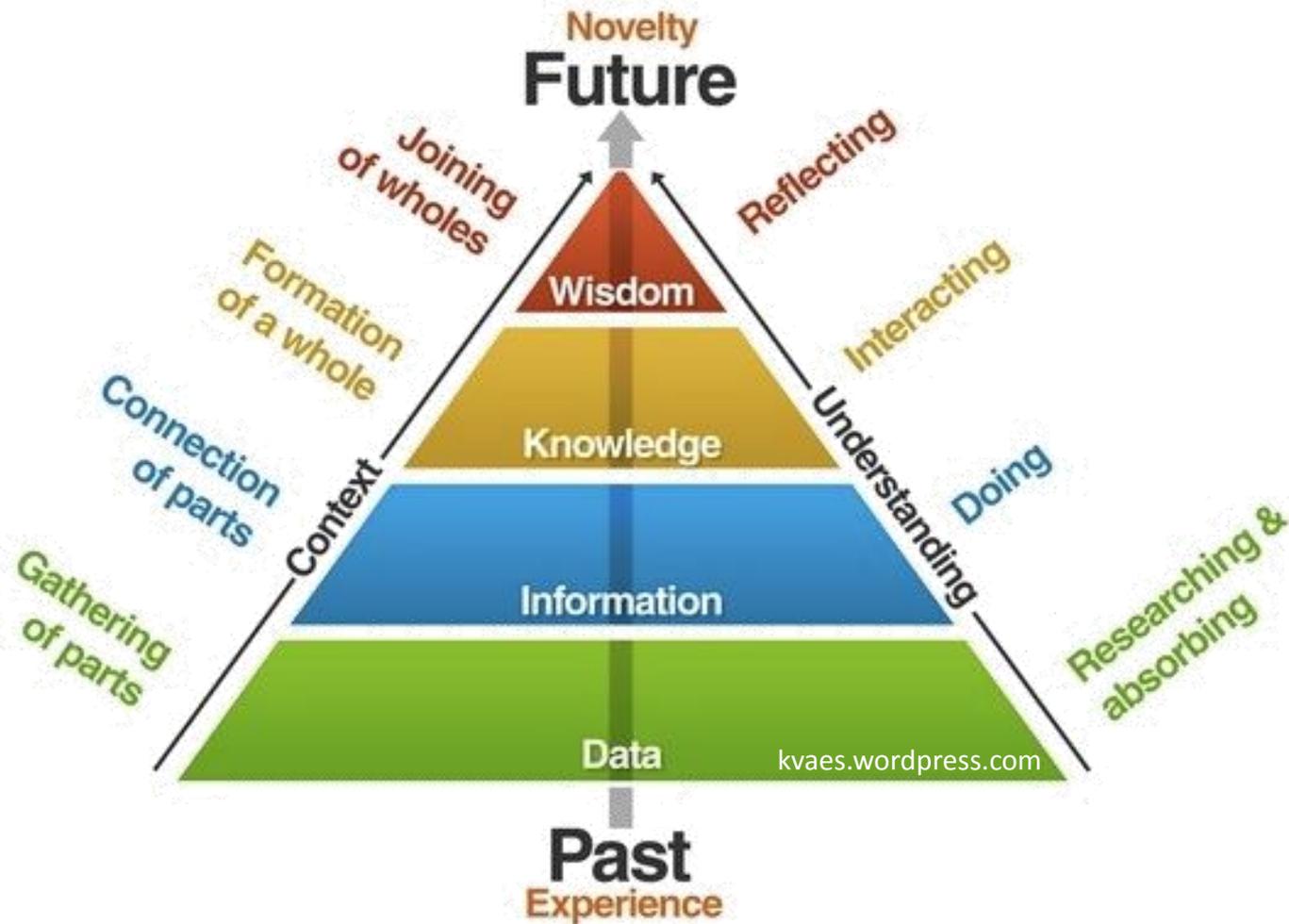
맥락을 인지하는 것이 궁극의 모습



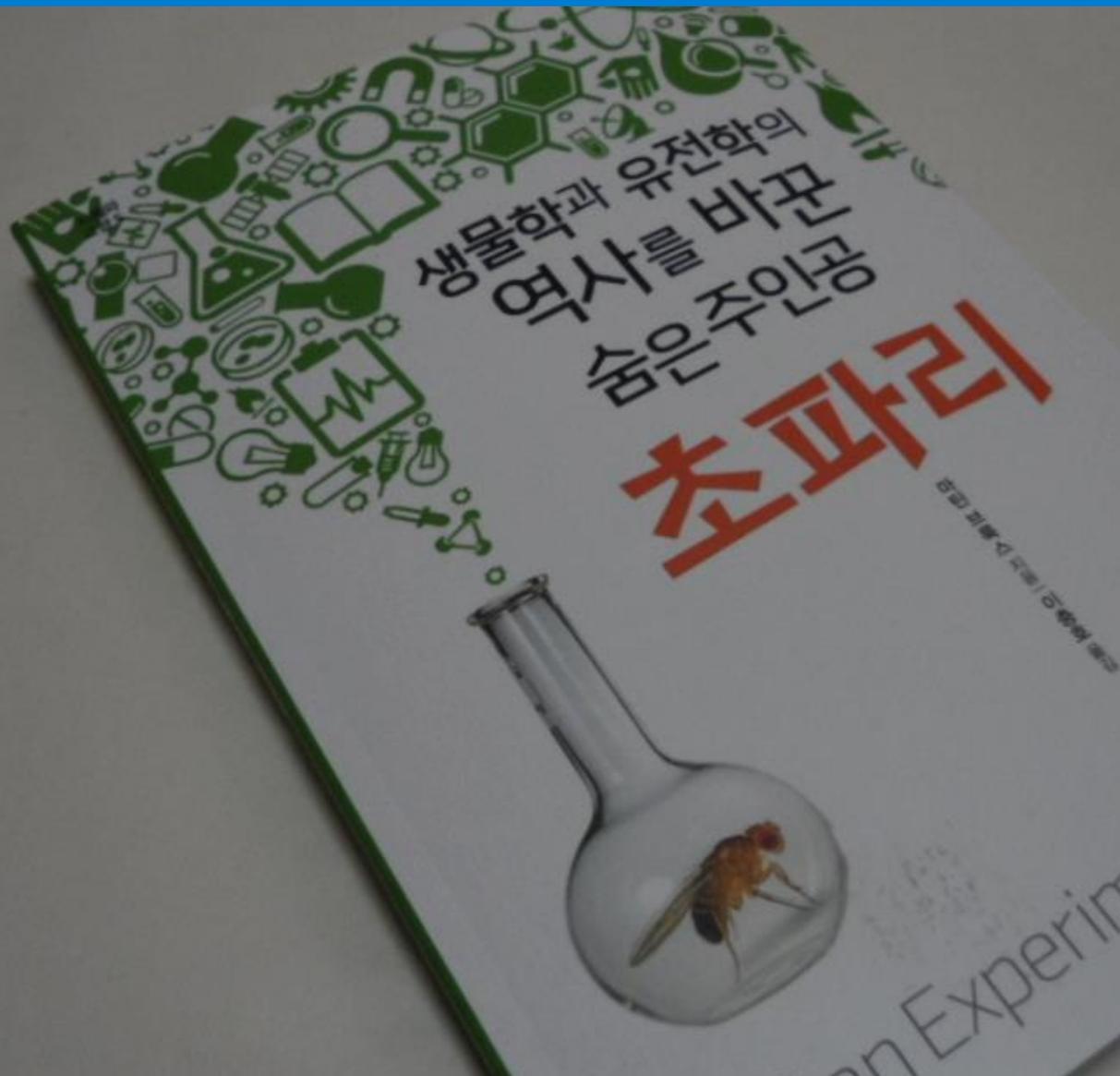
Data Innovation



Data Innovation



In-Memory As A Data Innovation



속도와 혁신

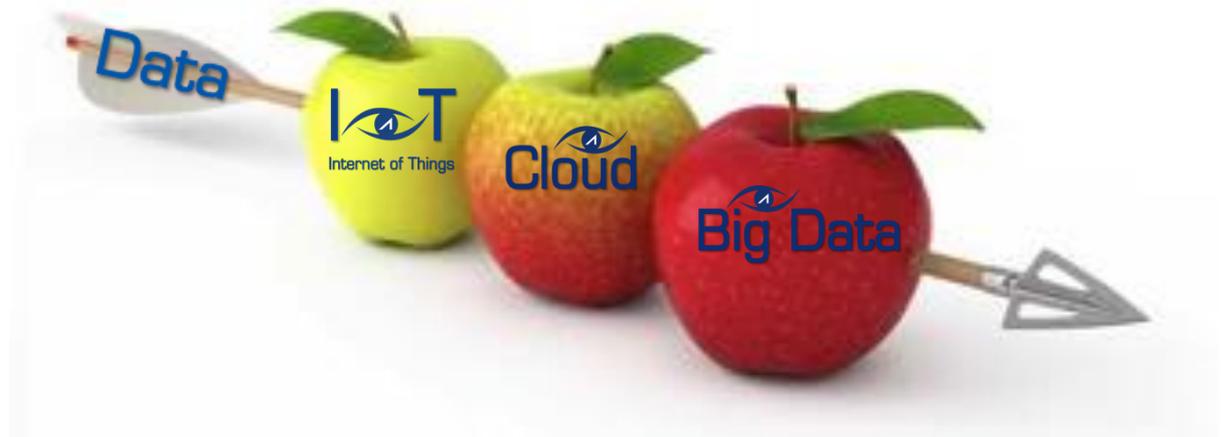
속도 자체는 혁신이 아니지만
빨라짐으로 혁신을 가능케 한다.

Innovation



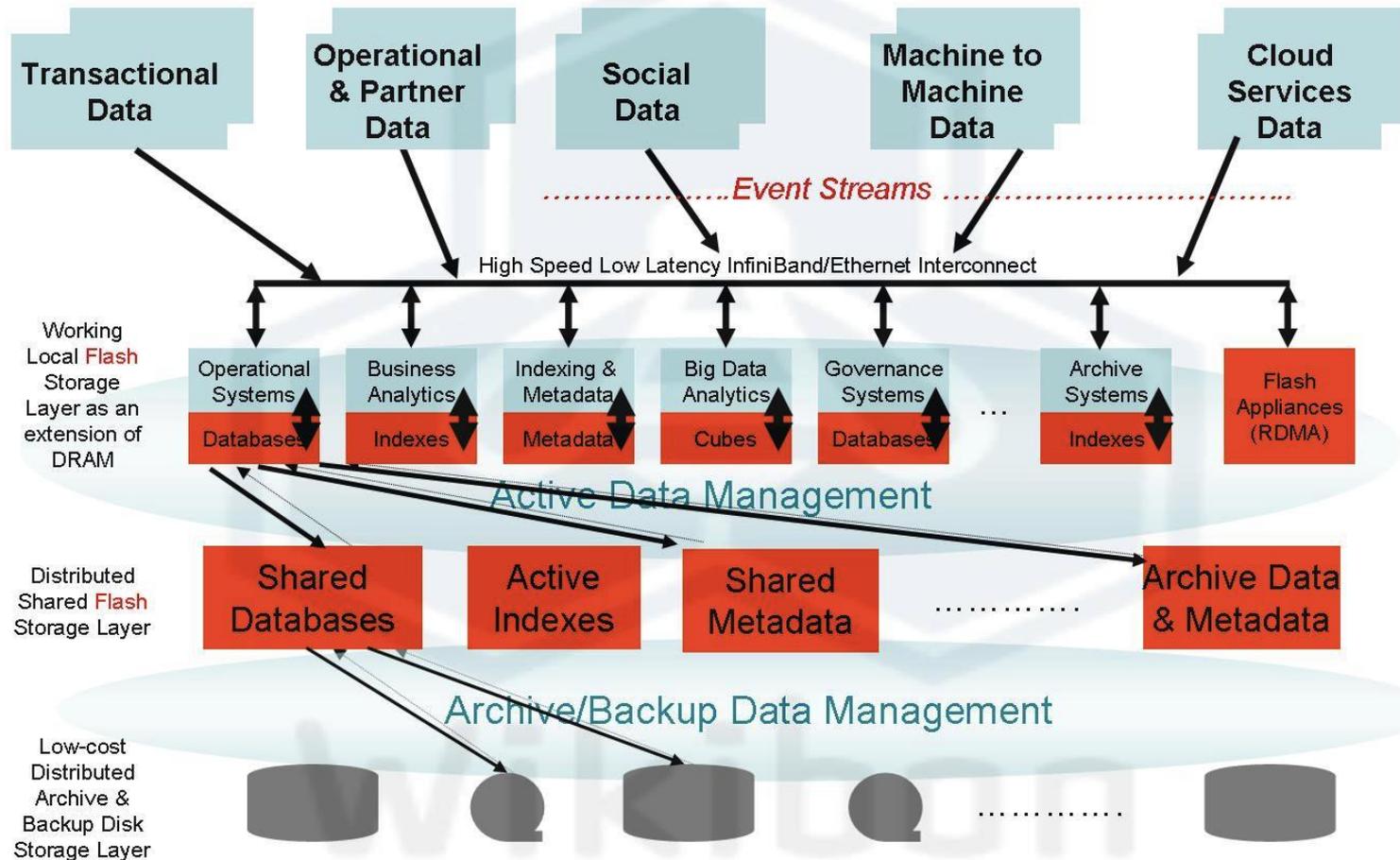
In-Memory 기술은 IceBreaker !

In-Memory



In-Memory + Realtime

Real-time Big Data Processing





**KEEP
CALM
THE
ANSWER IS
IN-MEMORY**

ALTIBASE & In-Memory

ALTIBASE, In-Memory의 DNA

메인메모리DB '리브랜딩' 잇따라

2001년 08월 03일]

메인메모리 데이터베이스(DB) 제품군의 브랜드를 변경하는 작업이 잇따르고 있다.

알티베이스(대표 김기완)도 최근 자사가 개발한 메인메모리DB 스피너의 이름을 회사명과 같은 알티베이스DB로 변경했다. 기업 인지도가 아직 그리 높지 않은 상황에서 제품명을 별도로 쓰다보니 사용자들의 혼선이 있을 뿐만 아니라 브랜드 자체도 잘 알려지지 않게돼 통합 이미지를 강조하기 위해 회사명과 같은 제품명을 쓰게 됐다고 밝혔다.

<조인혜기자 ihcho@etnews.co.kr>

Altibase의 In-Memory 전략



1. Scale-up



2. Appliance

Eliyahu M. Goldratt

WHAT IS THIS THING CALLED
THEORY OF CONSTRAINTS . . .

- The Five Steps of Focusing
- The Process of Change
- How to Prove EFFECT-CAUSE-EFFECT
- How to Invent Simple Solutions
- Evaporating Clouds

HOW SHOULD IT BE IMPLEMENTED?

- How to Become a Jonah
- The Devastating Impact of the Organization's Psychology
- Reaching the Initial Consensus and the Initial Step
- How to Reach the Top
- What About Existing New Projects



What is this thing called
Theory
of
Constraints
and how should it be implemented?

'제약조건이론'
(Theory of Constraints)에
따르면 전체 속도는
시스템의 한계를
결정짓는 지점인
병목자원의 속도를
넘을 수 없다.

In-Memory의 성능은 단일 서버에서 최상



Scale up

Performance



Scale out

In-Memory의 성능은 단일 서버에서 최상



Scale up

Performance



Scale out

SCALE-UP은 아직도 유효한 전략

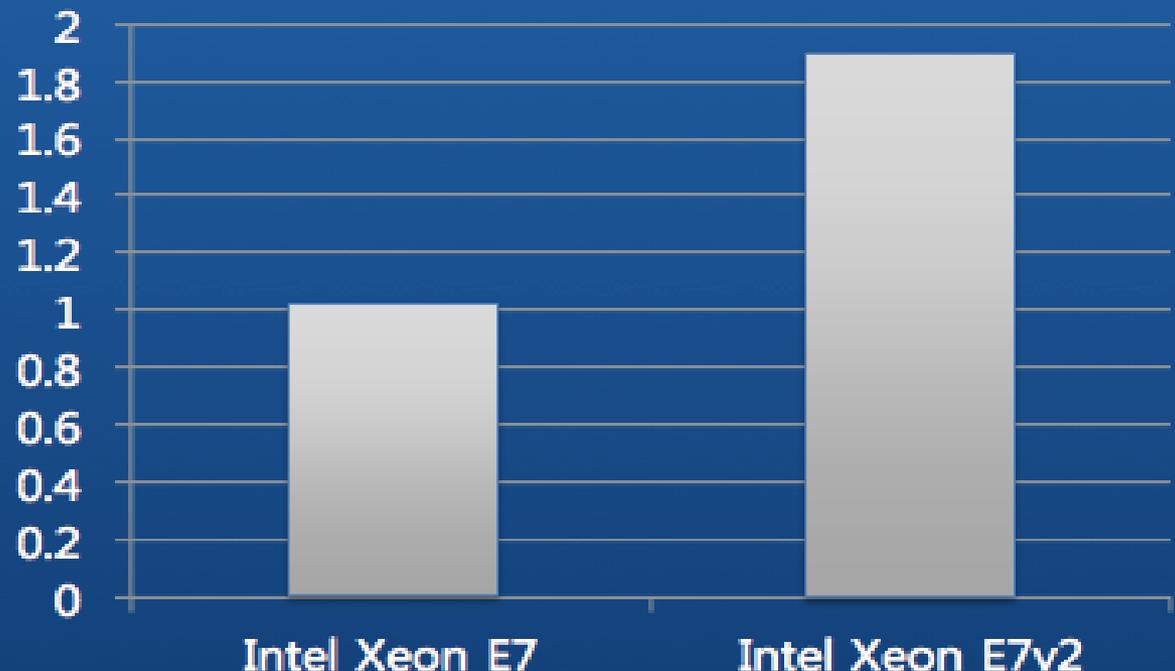
Leveraging ALTIBASE HDB by Intel XeonE7v2



- ALTIBASE HDB achieved 94% performance improvement with Intel Xeon E7v2 in In-Memory analysis

"The maximum capacity of the DBMS increased after the application of the Intel® Xeon® processor E7 v2 family, and it enabled the company to propose a large-capacity DBMS that was not possible before. Altibase HDB®, which was used only in specific areas, is now applicable in all areas with the help of the Intel Xeon processor E7 v2 family, and we anticipate that it will contribute to increasing sales for our company."

Throughput



ALTIBASE In-Memory Appliance Solution Platform



In-Memory Oriented Solutions

ALTIBASE HDB

Hybrid DBMS

But, All In-Memory

In-Memory Suitable Server



ALTIBASE In-Memory Appliance on MES

MESPlus on In-Memory Appliance

1대의 단일 서버만으로

글로벌 스마트폰 공장 적용 가능

(20개 공정, 월 500만대 규모)

ALTIBASE In-Memory Appliance on MDM

“날개를 단 MDM” ToBeWAY MDM F1

ToBeWAY MDM(Master Data Management)

- 국산 MDM 솔루션 시장점유율 1위
- 기준정보 Total Management Solution

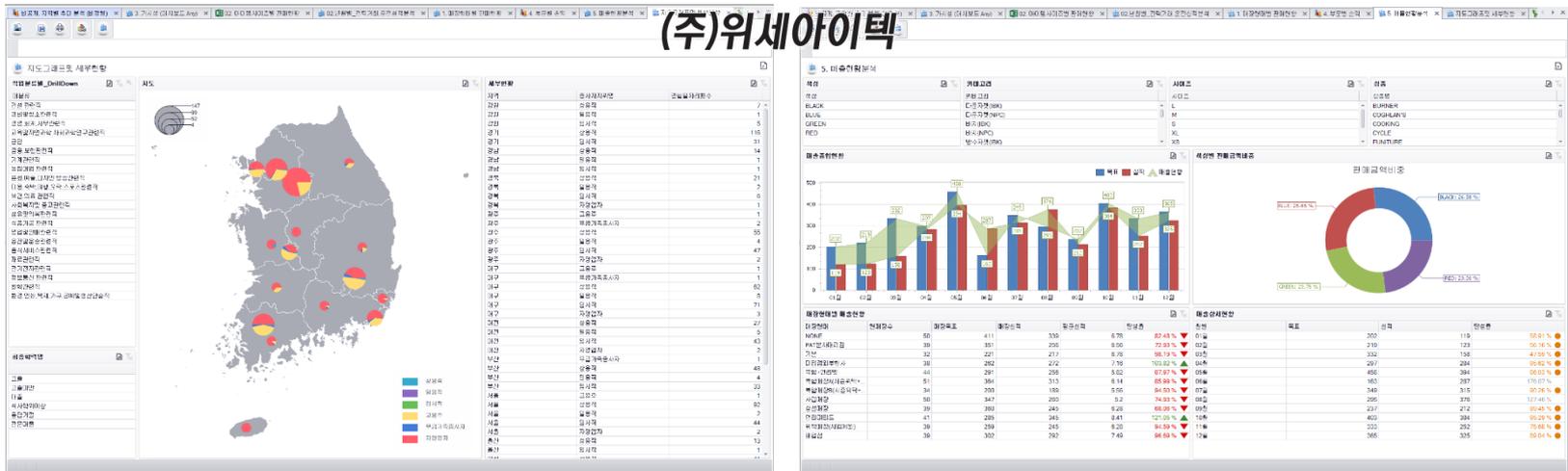
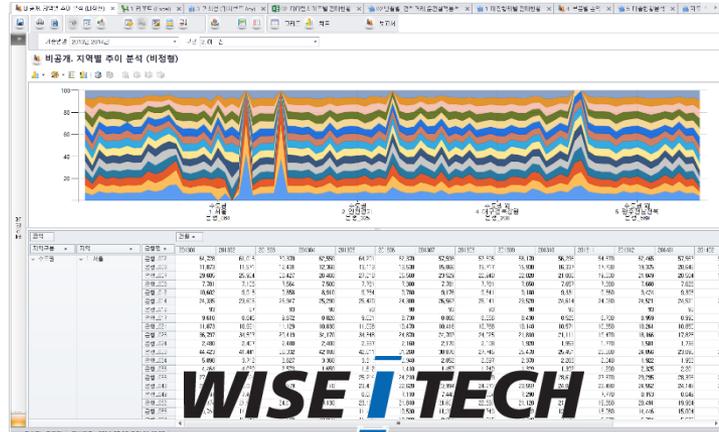
ToBeWAY MDM on Altibase In-Memory Appliance 성능 향상

- 기준정보 조회 및 일괄 갱신 성능 : **300 % 향상**
- 대용량 데이터 일괄 로딩 처리 속도 : **5 배 향상**



ALTIBASE In-Memory Appliance on BI

다 차원 분석 보고서 BMT 결과 : 타 DBMS 대비 **4배 이상** 성능 향상
실시간 분석 등 빠른 응답 속도를 요구하는 분석 요건에 최적의 선택이 될 수 있음



ALTIBASE 고강도 DBMS

뛰고, 조이고,
기름 치자!



**Connect
Everything!!!**

**Dreaming Realtime Data
Platform for Data Innovation**

Thank you!