

# Support Technique for Business Intelligence

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# 1. Business Model and Technical Support

The development of EC is a repeat process in which the Business Model and its Technique Tools push each other.

Even the history of EC is short, this progress is very obvious and fast.

# 80's: Enterprise MIS

— Main Language: COBOL

— Key Tech: Database

— Common Software: Lotus 1-2-3

— Communicate: Local network

— Business Model: Centralized

— Key Word: Programming

# 90's: EC Started

— Main Language: C and C++

— Key Tech: Networking

— Common Software: Lotus 1-2-3

— Communicate: INTERNET

— Business Model: EDI

— Key Word: Integration

# Now: EC move ahead

— Main Language: XML ...

— Key Tech: Software Architect

— Common Software: eclipse

— Communicate: peer to peer

— Business Model: SCI and

— Key Word: Business Intelligence

# New Model, New Tool

— New EC needs New Tool

— New Tool Pushes New Model

— BI needs Data Centered Tech


— Data Centered Tech pushes BI

# Relative Technology

- Data collective tech. as RFID
- Data transform tech. as wireless communication
- Data security tech. as digital signature
- Data analysis tech. as so-call data mining
- Data presentation tech.

## 2. New Possibilities and Problems

New technology provided both new possibilities and new difficulties to managers, also both new opportunities and new challenges.



# New Possibilities



More Space



More Speed



More choice



More data source

# New opportunities

- 👉 — New market
- 👉 — New user
- 👉 — New service
- 👉 — New channell
- 👉 — New tools

# New Problem

- Security
- legal issues
- cross cultural
- social responsibilities

# New Challenges

- 👉 — More risk and uncertainties, as a new business
- 👉 — New Technology, should be learn
- 👉 — Human Resource, training and retraining

# 3. Data-Intensive Computing

👉 I believe that an new direction will attract more and more attention.

👉 That is

👉 Data-Intensive Computing

# Data-Intensive Computing

☞ “Communication of ACM” 2008, April, p30.

☞ “Managing and processing exponentially growing data volumes, often arriving in time-sensitive streams from array of sensors and instruments, or at outputs from simulations; and

☞ significantly reducing data analysis cycles so that researchers can make timely decisions.”



# Seven main topics

- ➡ 1. metadata management technology
- ➡ 2. high performance computing platform
- ➡ 3. processor for network data stream
- ➡ 4. high reliability distributed file system

# Seven main topics (cont.)

- 5. data handle system for wireless environment
- 6. fast data analysis tools
- 7. rapid security and signature processing stools

# 4. Our Strategies

☞ Pay more attention on:

☞ — Data

☞ — Data Usage

☞ — Data Intensive Computing

# Not End

- ☞ Technique change continues.
- ☞ Innovation of Business model continues.
- ☞ Our discussion and research also need continue.