

한국정보시스템학회
2000년 춘계학술대회

Workshop I

IBM e-Business 방향

이정현

프라이스텍



IBM E-business 방향

프라이즈텍

Solution 마케팅

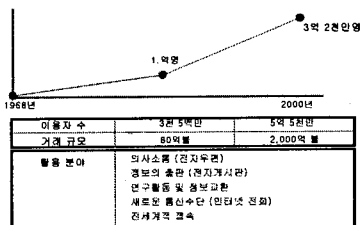
이사 이 정현

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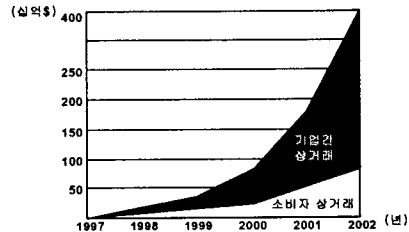


인터넷 발전의 추세

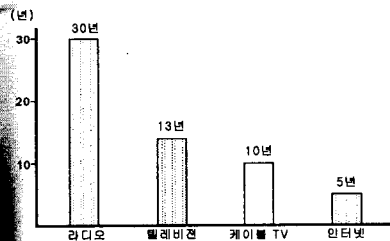
■ 인터넷 사용자



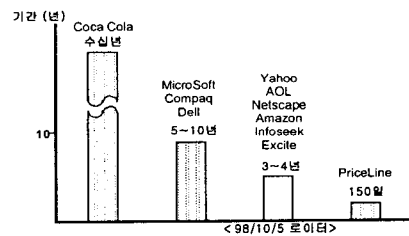
■ 인터넷 전자상거래



■ 대중매체의 출현

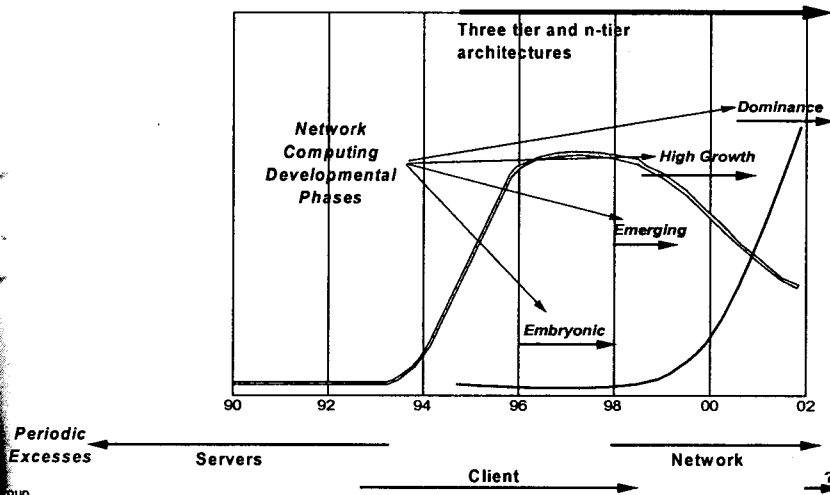


■ Mega-brand 달성기간

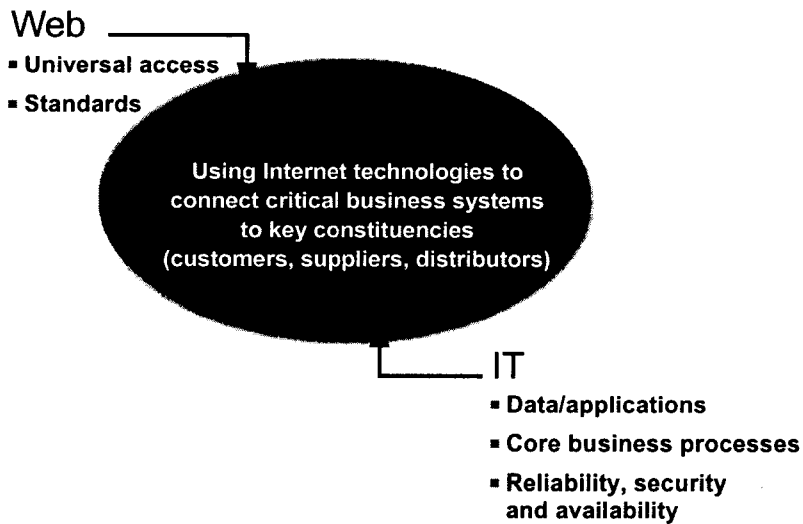




Network Computing emerges



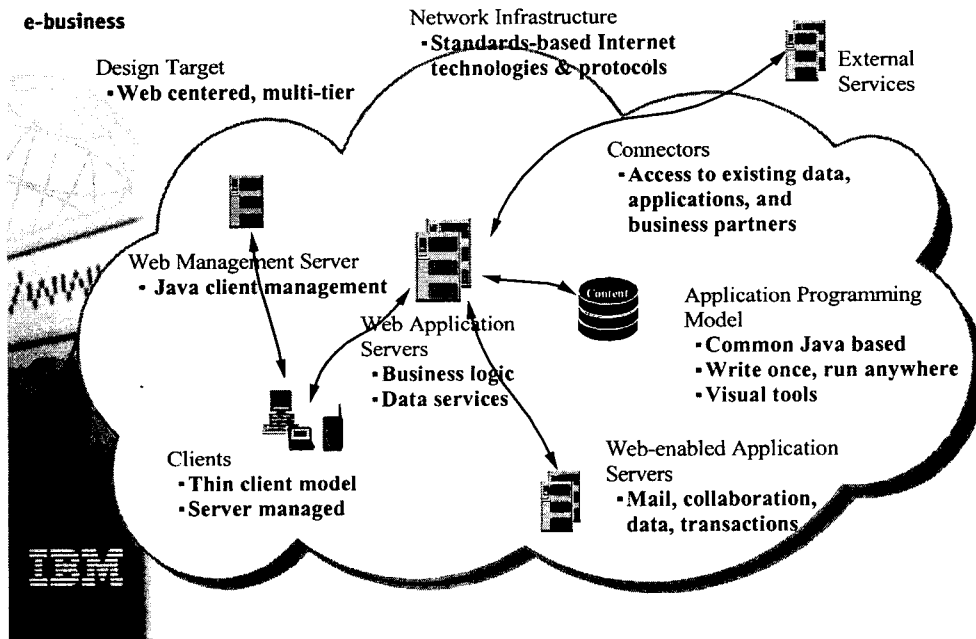
The emergence of e-business





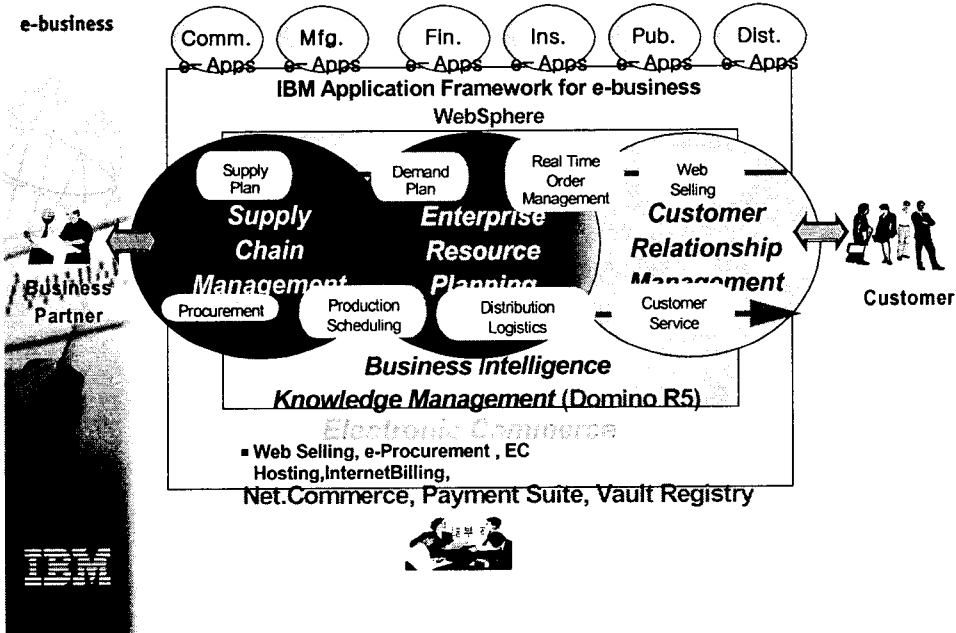
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e-business Framework



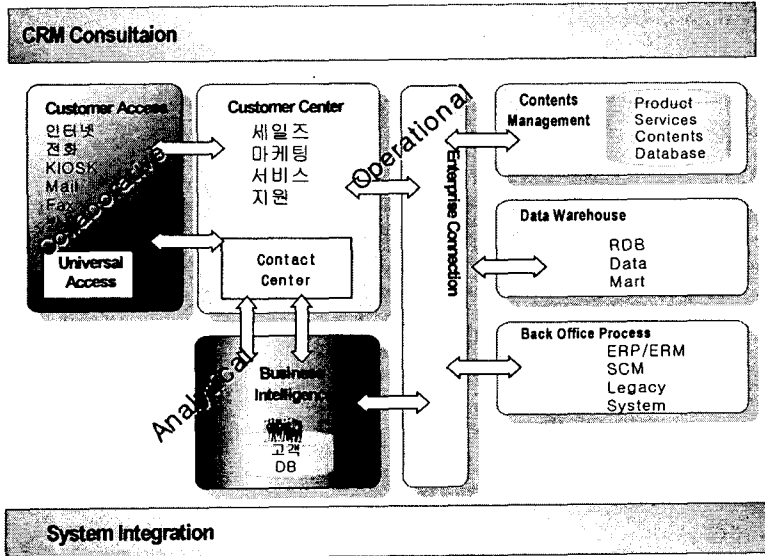
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e-business solution architecture

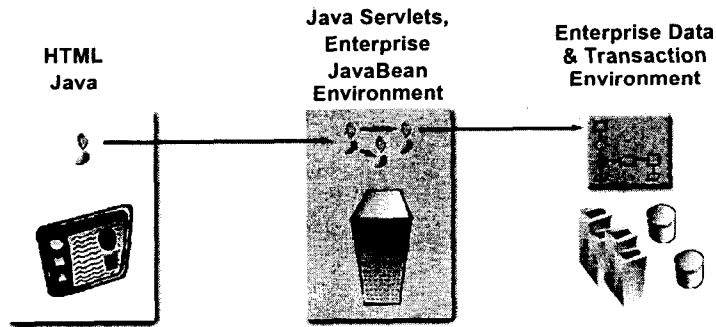




CRM Concept



Java as the foundation

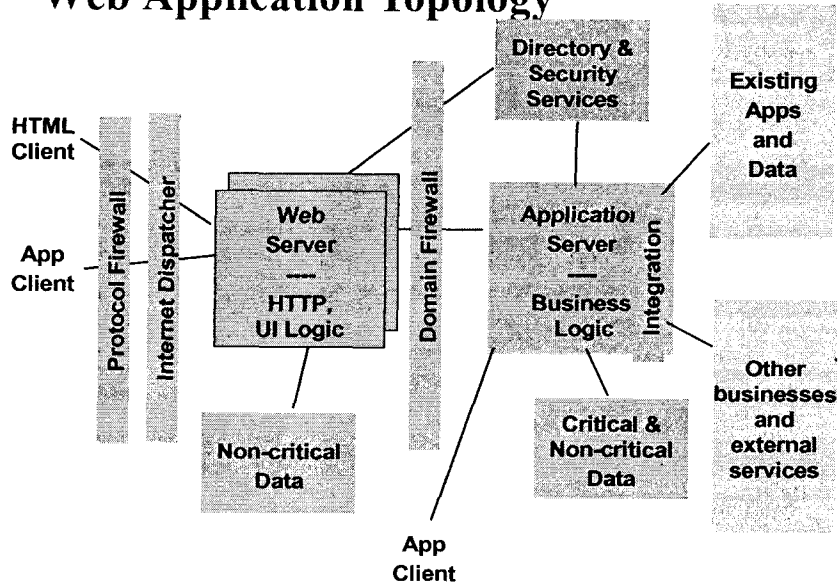


- A single foundation spanning all deployment points
- Learn once, develop anywhere
- Write once, run anywhere
- Industry standard, modern foundation for new business applications



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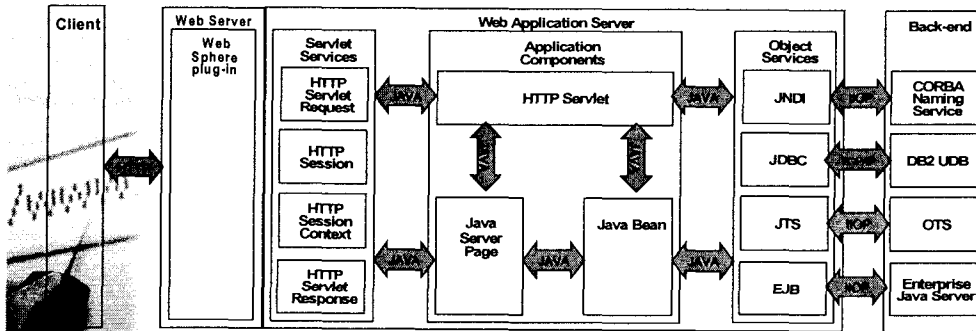
Web Application Topology



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Web Application Architecture: A detailed view of evolution

- Take advantage of the flexibility built into the architecture



- Static requests
 - handled directly by the Web Server
- Monolithic Servlets
 - exploit Java and standard services
- Servlets-Java Beans-JSP
 - exploit full separation of concerns
- JSP-Java Beans
 - exploit ability for Java Beans to access back end directly



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Major Features of the Framework

- **Java based**
- **Server centric**
- **Managed clients**
- **Built on standards**
- **Provides the necessary infrastructure**
- **Portable: hardware, system, and infrastructure**
- **Open: pluggable infrastructure, tools**
- **Scalable**



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IBM Java

Contributions To Java Initiative

- National Language Support, User Interface Classes
- Device Support for Personal, Embedded, Card Java
- Java Transaction Service, InfoBus, EJB collaboration
- ActiveX to JavaBean migration tool

Enabling Operating Systems

- AIX, OS/2, OS/390, OS/400, NT
- Currently rated as the highest performance

Enabling Middleware for Java

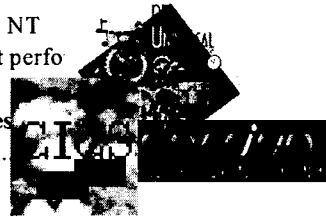
Delivering Tools and Technologies

- Visual Age Java, e-business, . . .
- Network Station

Supporting Developers

- IBM Solution Developer Program
- IBM Solution Studios for Java
- IBM Center for Java Technology Development

Developing Solutions with Customers





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Java Servlets

The best web programming model

- *Fast*
- *Simple, but complete*
- *Safe*
- *Standard*

Java replacement for CGI-BIN programs

- Much faster
- Can stay alive across HTTP requests
- Just as simple and safe
- Just as standard

Java replacement for server plugins (NSAPI, ISAPI, ICAPI, ...)

- Will be the same on all platforms
- Safe - cannot crash the web server
- Just as fast



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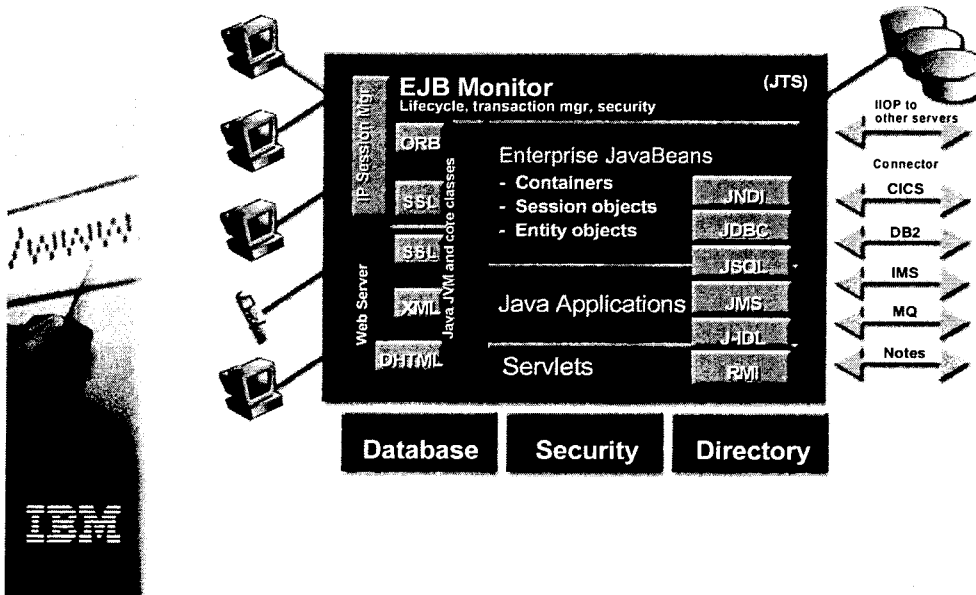
Java Server Pages

- Server-side scripting of HTML pages
- Supports
 - ▶ Full Java
 - ▶ JavaBeans
 - ▶ Source Includes
- Easier than writing Servlets



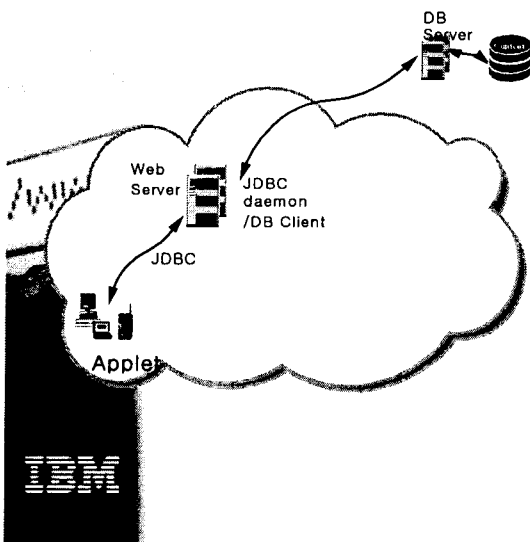
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Java as the Platform



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Case Study



LG화학, 신세계pilot, 기아정보시스템

Web Application 사용하지 않음
Applet <-> JDBC데몬 <-> DB

장점:
현재 어느 정도 검증
VAJ로 빠른 개발 가능

발견되었던 문제점:
사소한 기술적 문제들
connection management?



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Connection Components

Connectors 1998

Net.data

CICS Internet Gate

IMS Web

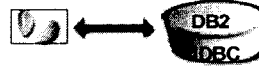
DCE Encina Lightweight Gateway

MQSeries Internet Gateway

eNetwork Host on Demand

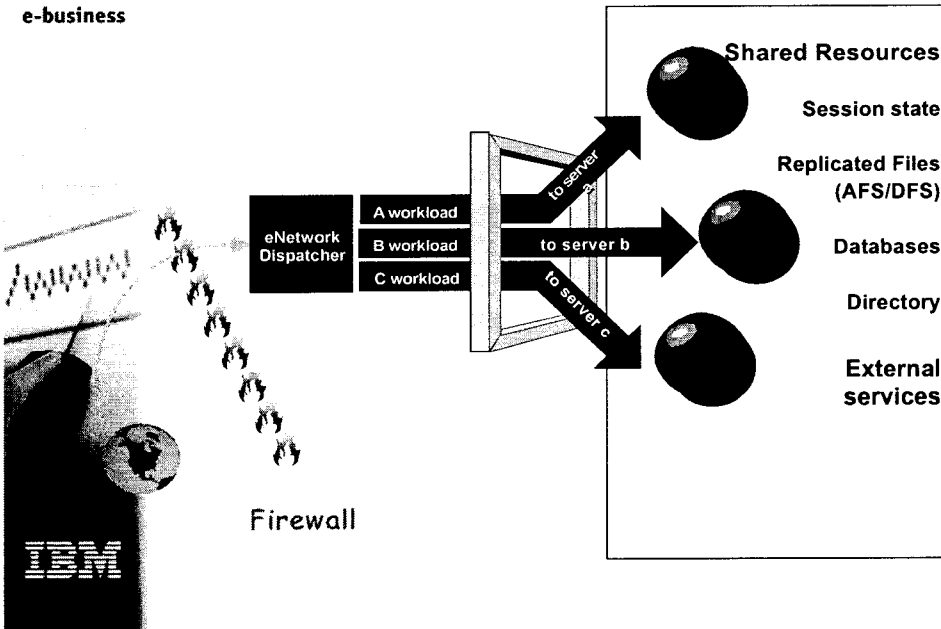
Notes Object Interface

JavaBean Connectors 1998-1999



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Scale





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WebSphere Product Family: Direction

