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Sun™ ONE

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Sun™ ONE


Vision

Architecture

Product

Expertise

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SunTM ONE


Vision

Architecture

Product

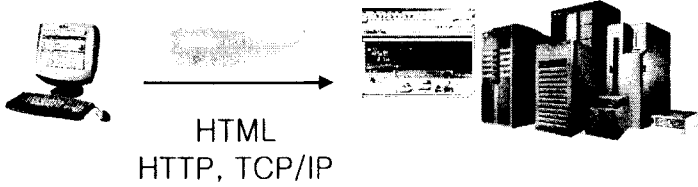
Expertise

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Web Presence

- Person-To-System

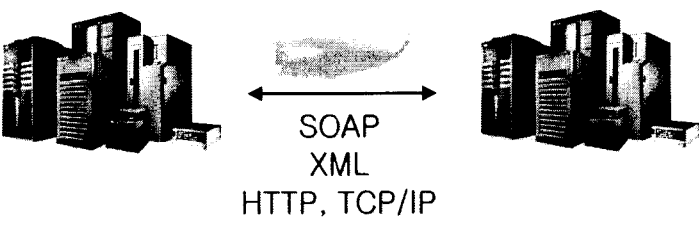


HTML
HTTP, TCP/IP


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Web Services

- System-To-System




SOAP
XML
HTTP, TCP/IP

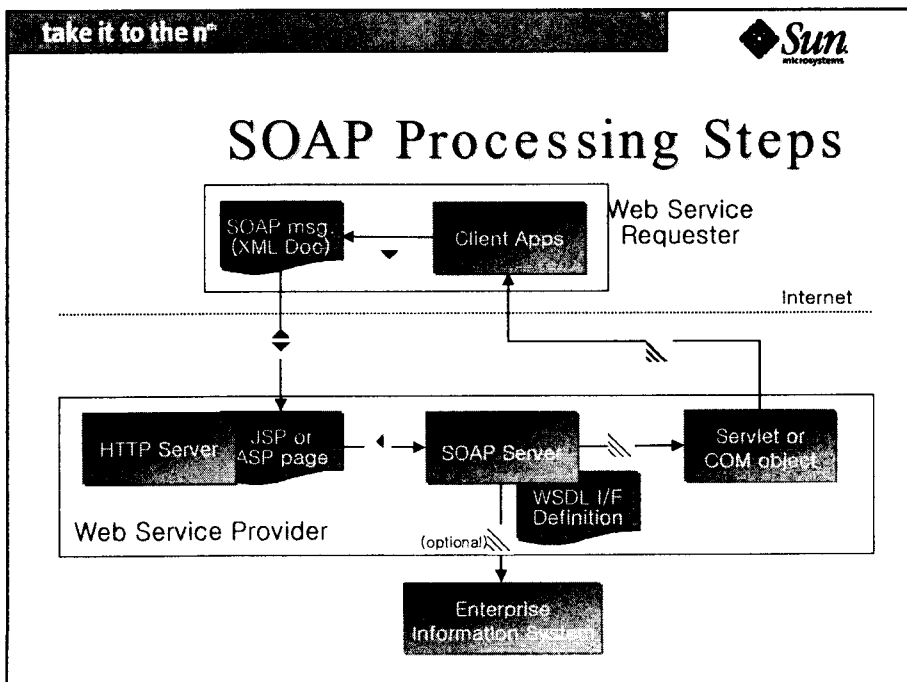
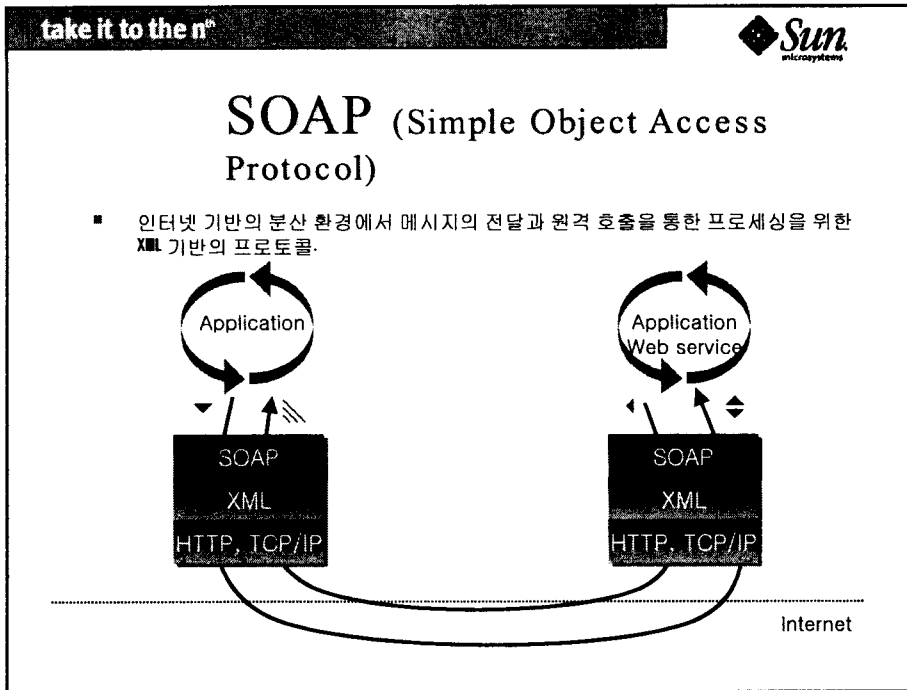
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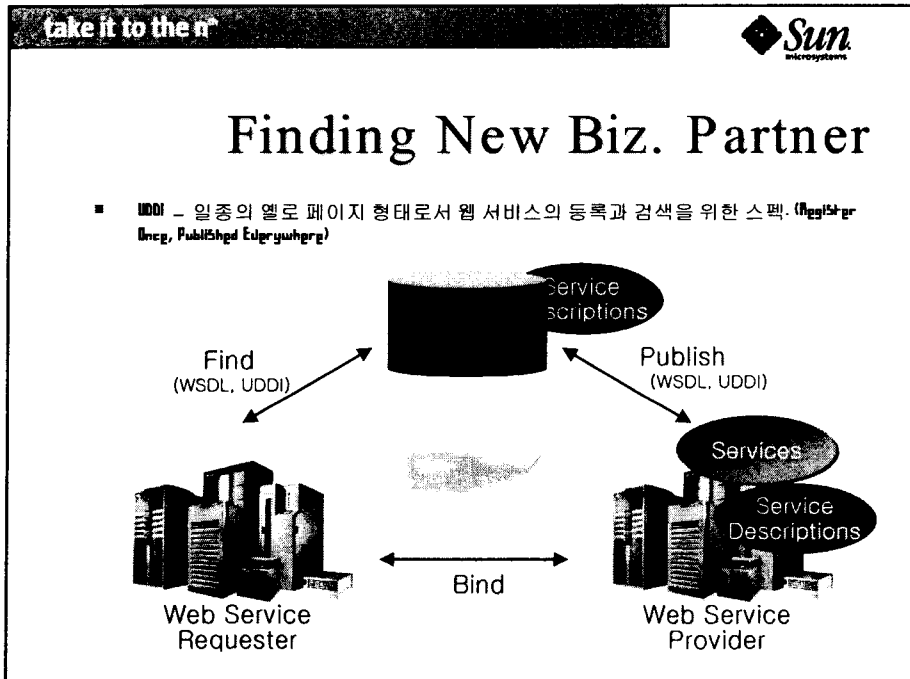
Web Services Definition

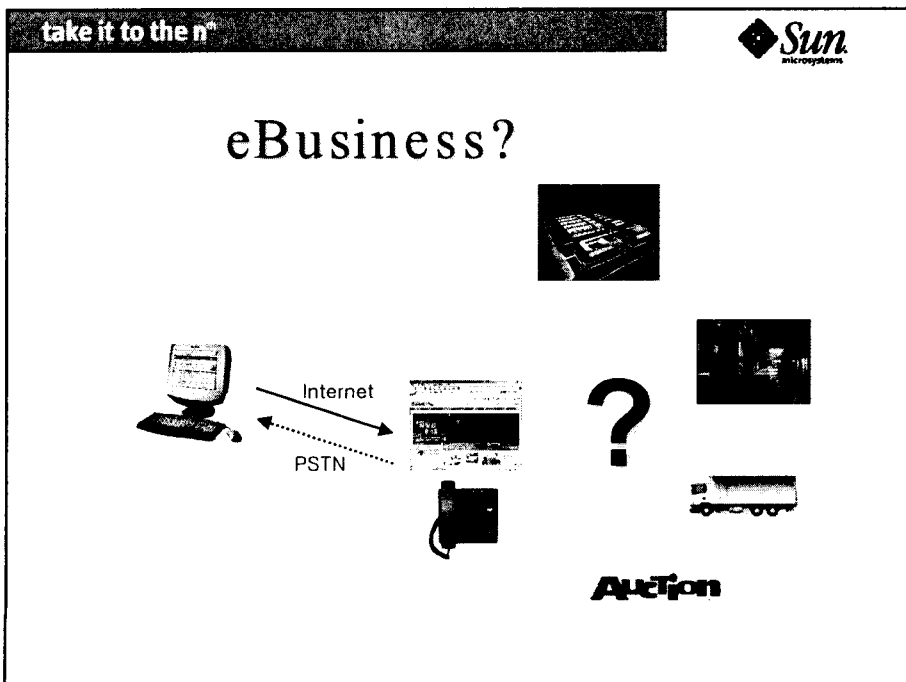
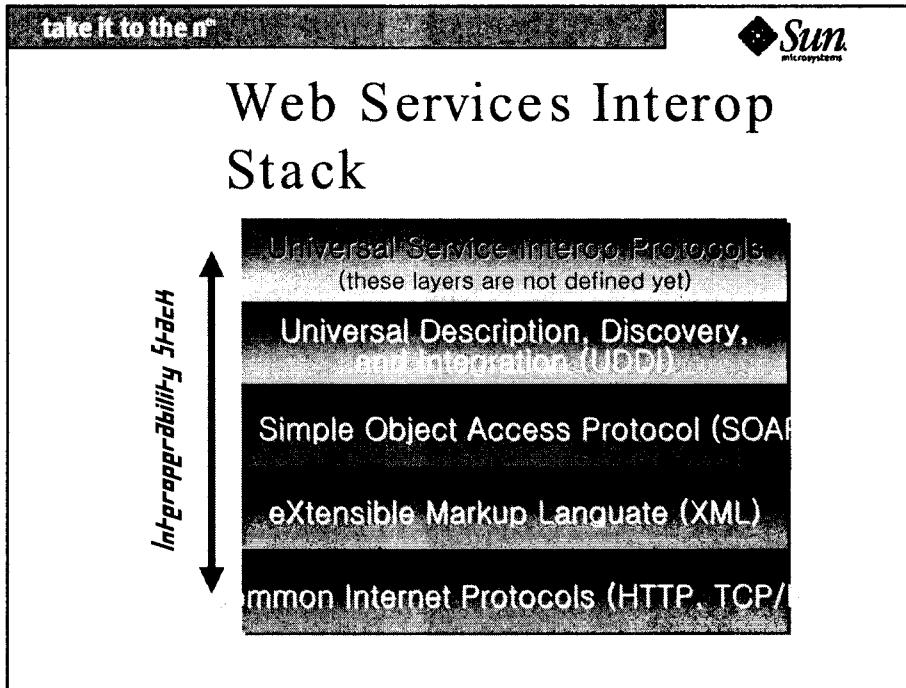
- Web services are content and software processes delivered over the Internet using loosely coupled messages (and increasingly, XML interfaces) that “service” a particular set of users.

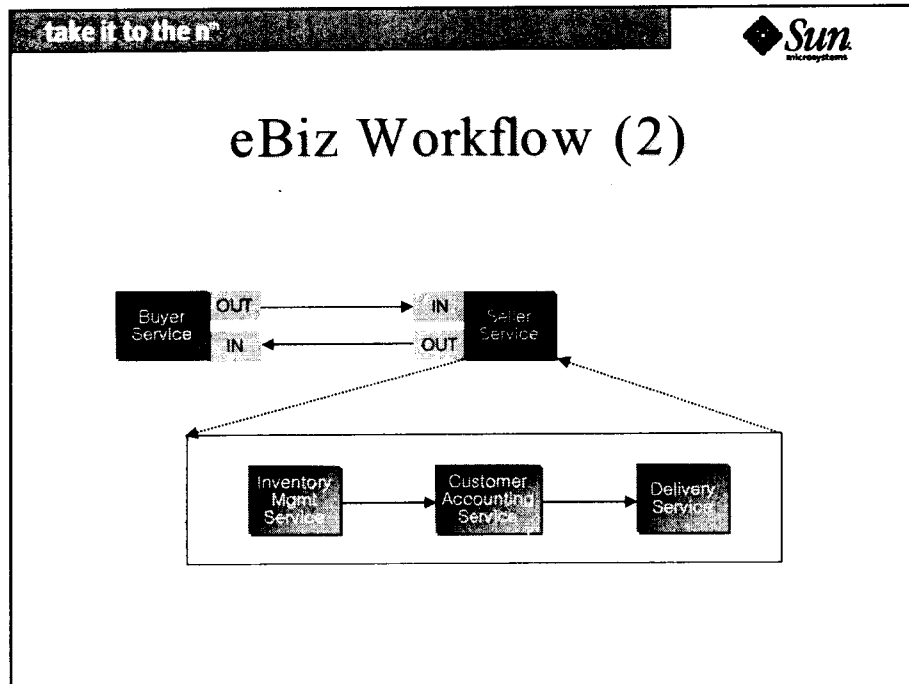
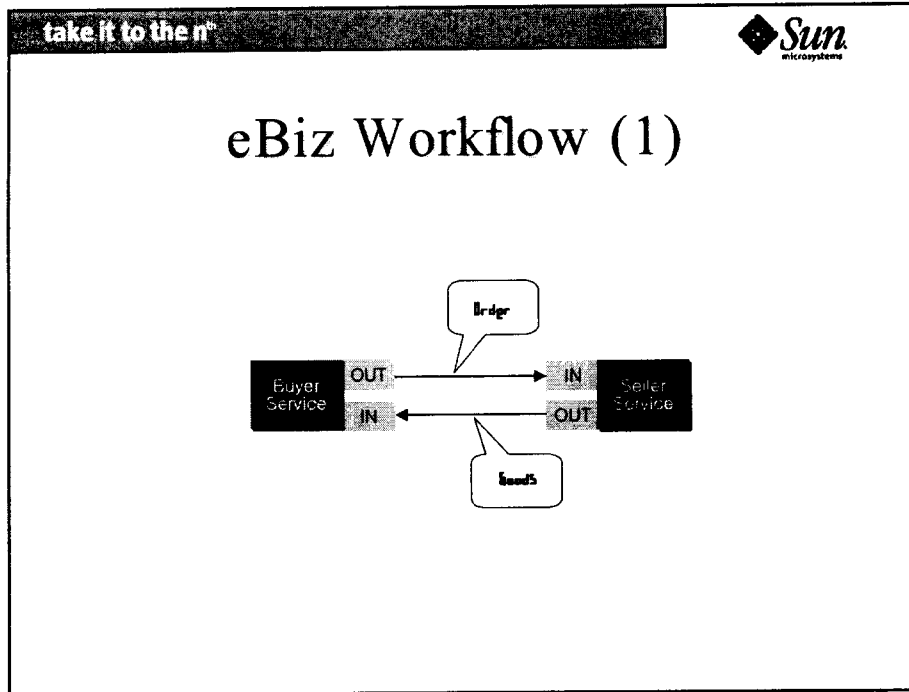
*Paul S. Smith
11 October, 2000*

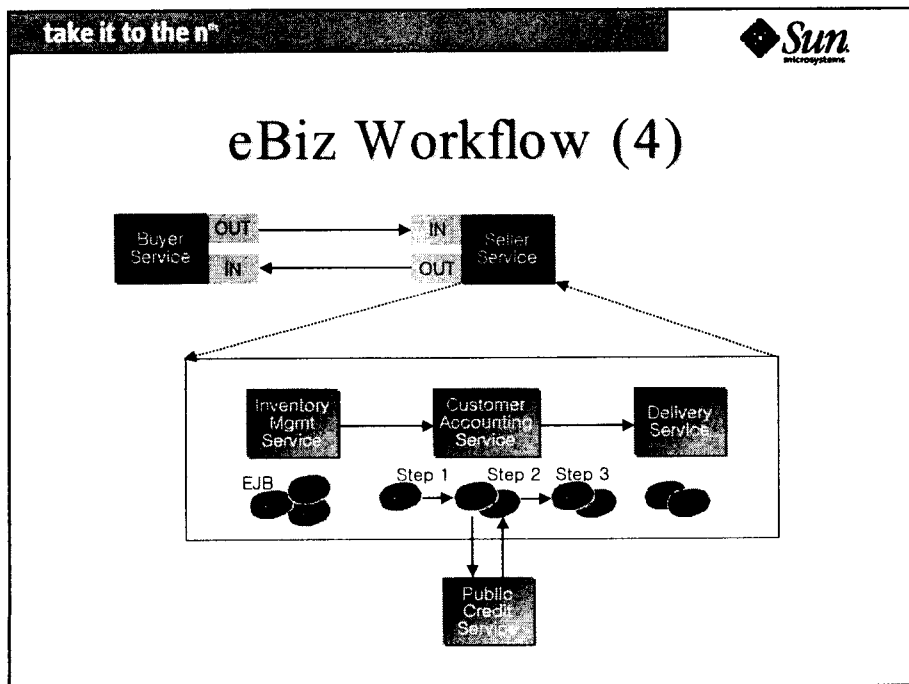
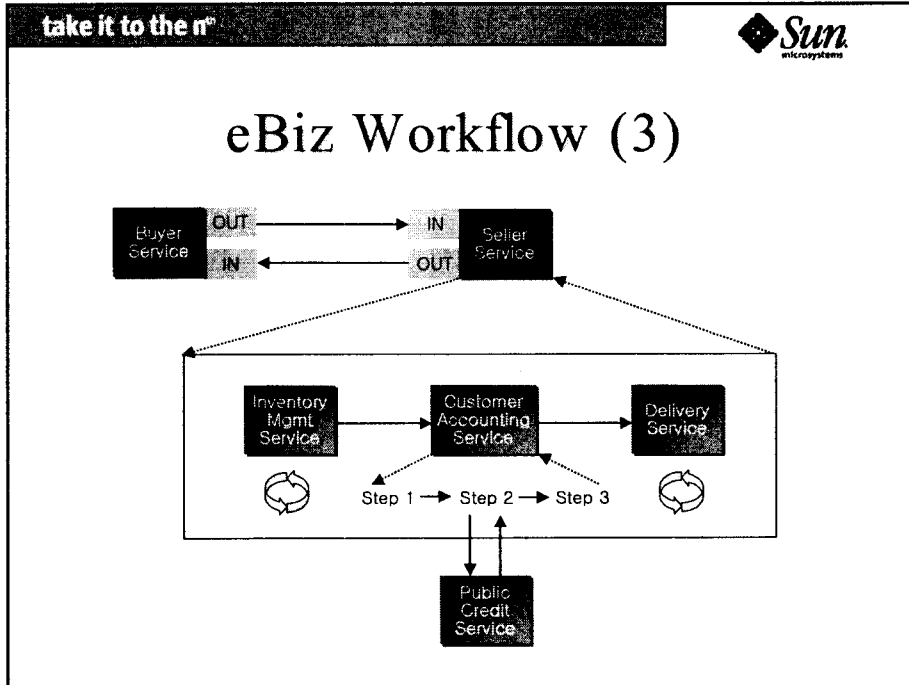
- eBusiness 소프트웨어 시장
\$14.5 billion by 2003 
FORRESTER








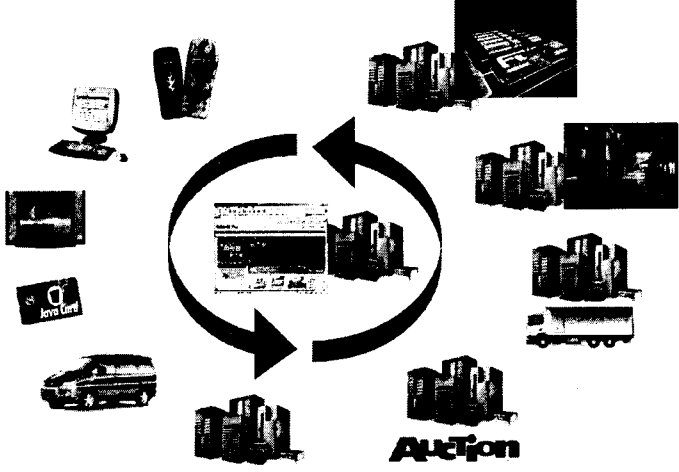




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Future Web



Auction

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Future Web

- Web Services bring e-businesses together. (September 14, 2001)
- The ASP is being replaced by the Web Service provider. (March 9, 2001)

MyCompany.COM

Banking.COM Insurance.COM

Contents.COM Marketplace.COM

Web Services


InfoWorld.

AssetMgmt.COM

eHR.COM

Portal.COM

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ONE

- Open Net Environment
- Web services architecture
 - Open, Standard-based
 - Vendor-neutral (Freedom of Choice)
 - Future-ready and extensible
- When Java (Portable code) meets XML (Portable Data)
 - J2EE addresses current Web applications
 - ONE addresses Future Web Services
 - Evolution, NOT Revolution


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Internet Connectivity

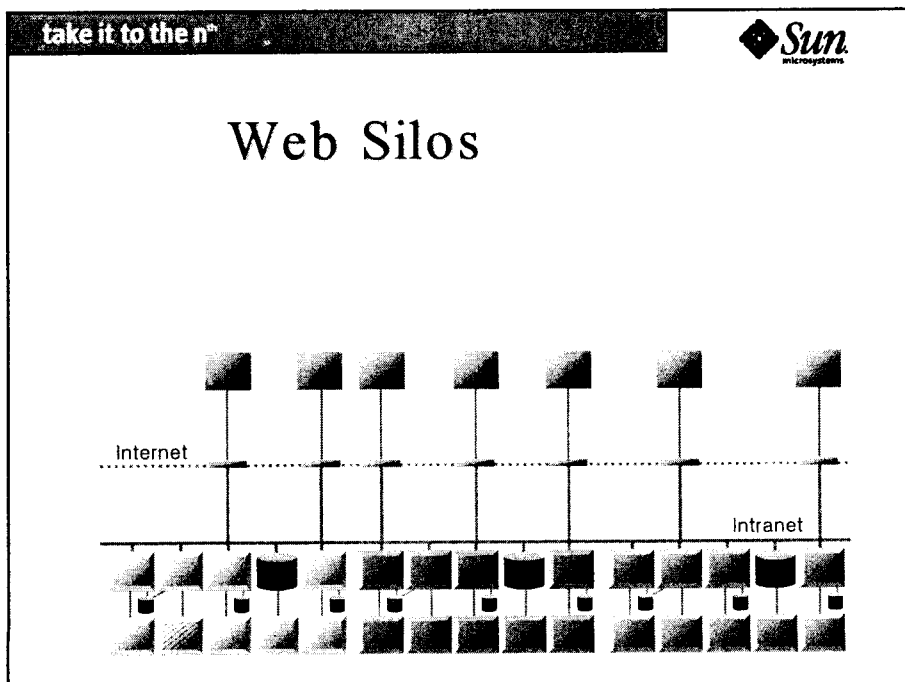
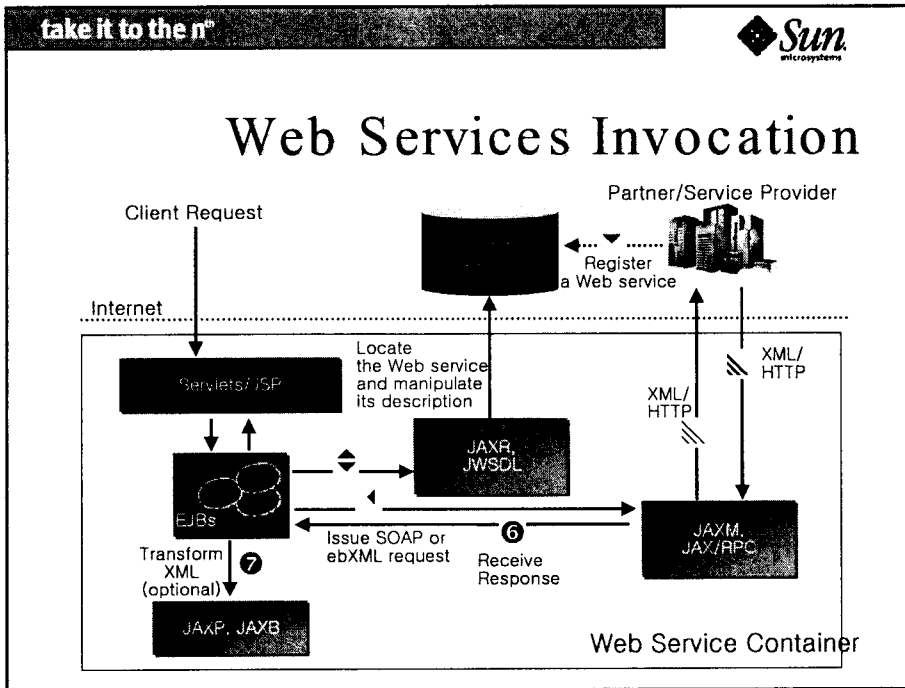
Type of Client	Examples	How to connect:
Business Partners	Distributors, resellers, large customers, ...	XML-based Web services technologies (SOAP, UDDI, WSDL, ebXML)
Thin Clients	Web browsers, PDAs, wireless devices, Home appliances, ...	Lightweight Protocol (HTTP)
Thick Clients	Applets, Applications, Existing systems, ...	Heavyweight Protocol (IIOP)

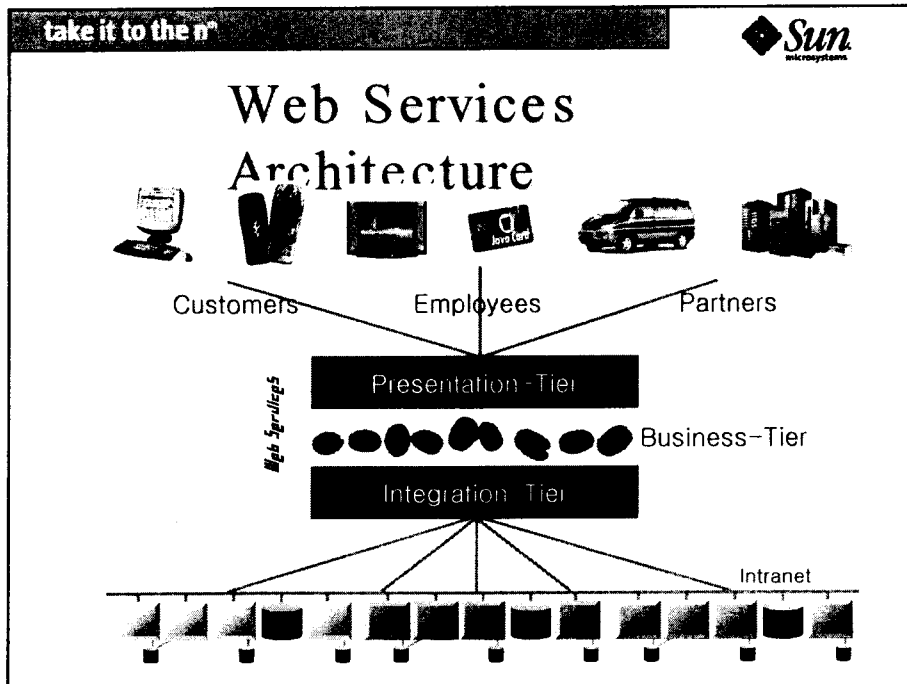
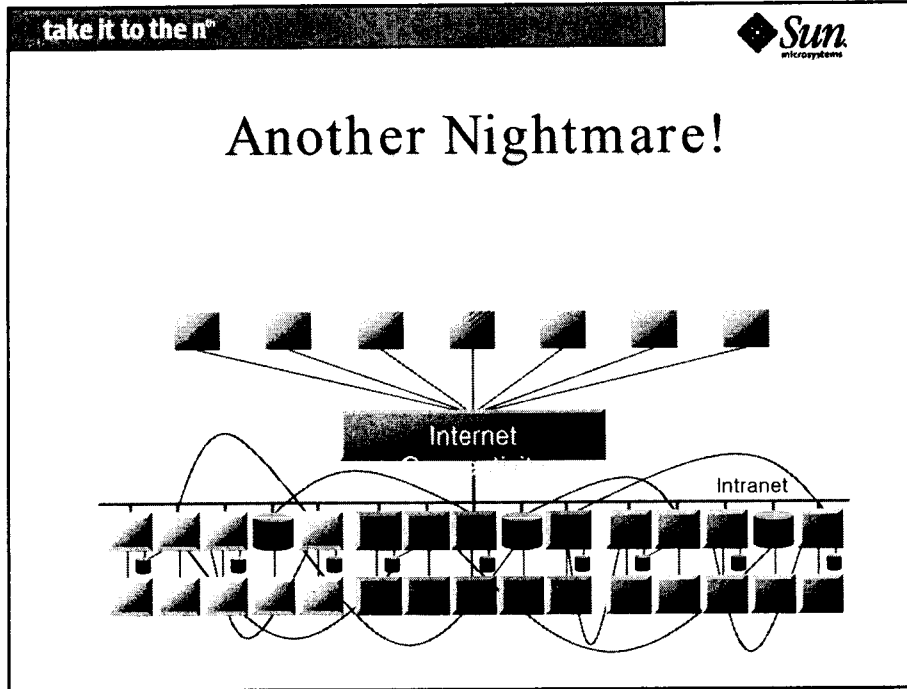
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Java APIs for Web Services

- Java APIs for XML Processing (JAXP)
- Java APIs for XML Data Binding (JAXB)
Enables applications to parse and transform XML documents
- Java APIs for XML Messaging (JAXM)
Allow automatic sending and receiving of XML messages (like an ebXML or SOAP document) over HTTP
- Java APIs for XML-based RPC (JAX-RPC)
Allow invoking of a web service over the internet by transmitting an XML document over HTTP
- Java APIs for XML Registries (JAXR)
Look up the web service that is published in a UDDI registry
- Java APIs for WSDL (JWSDL)
Manipulate WSDL documents





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Web Services Container

- 웹 서비스를 위해 필요한 기반기술의 직접적인 개발시 야기되는 경제적, 시간적 비용의 과도한 지출을 방지

DBMS Access
Messaging
Thread Pool
Load Balancing and Application
Connection Pool
Session Pool
Transaction Mgmt


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What is J2EE?

- .Com 화를 위해 공통적으로 요구되는 인터넷 기반 기술들이 집대성된 표준화된 플랫폼
- 기업이 영위하는 사업 영역에서의 실질적인 경쟁력 향상을 위하여 가치 집약적인 업무로직의 개발에만 집중할 수 있는 환경 제공
- 가용성, 신뢰성, 확장성 및 기존의 시스템과 새로운 패키지 시스템과의 통합을 위한 표준화된 개방형 도구 지원

Servlets JSP EJB JMS JTA Javalin
JNDI JDBC XML etc


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Sun™ ONE

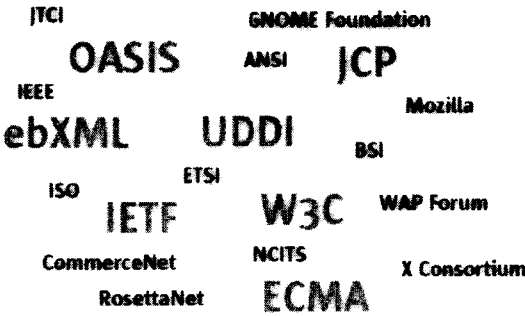
- ☛ **Web services characteristics**
Accessible over the web, loosely coupled
 Message-based, XML-based
- ☛ **Implicit services**
Directory, Database, Transactions, Messaging, Streaming, ...
 Security, Load-balancing, Transparent Fail-over, caching, ...
 Storage, Availability, Manageability, Scalability, Reliability, ...
- ☛ **Smart Web services**
Context Awareness
 Multi-req Capabilities
 Rich User Experience
 Open Standards
- ☛ **Sun's implementation of ONE**
현재의 웹 환경을 지원하고, 미래의 smart web services의 기반으로 요구되는
 소프트웨어 환경을 위한 개방형 프레임워크
 Platform, Identity & Policy, Service Integration, Service Container, Service Registry, Applications &
 Web Services, Service Creation & Assembly,

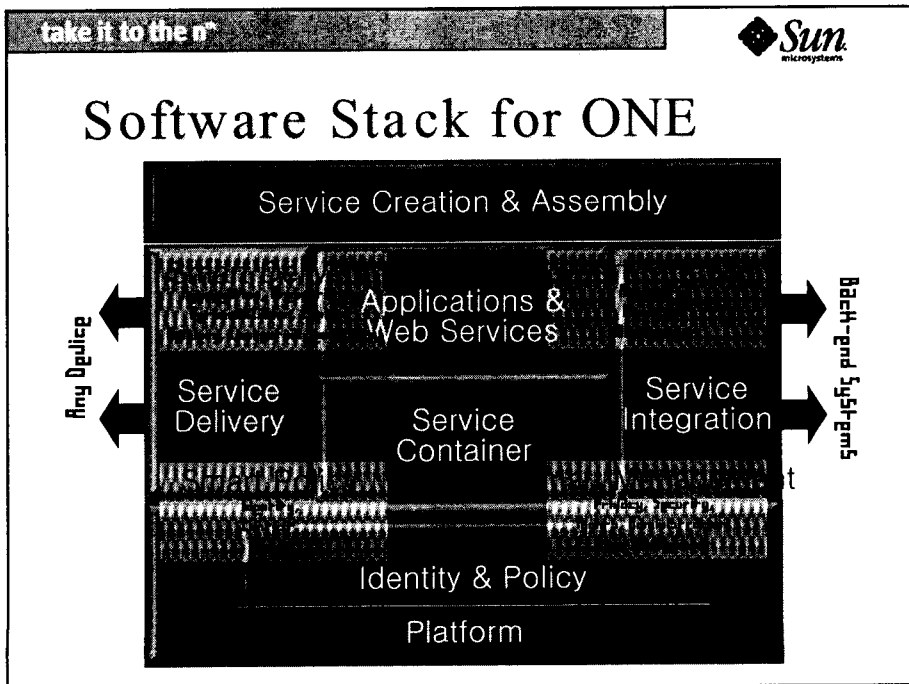
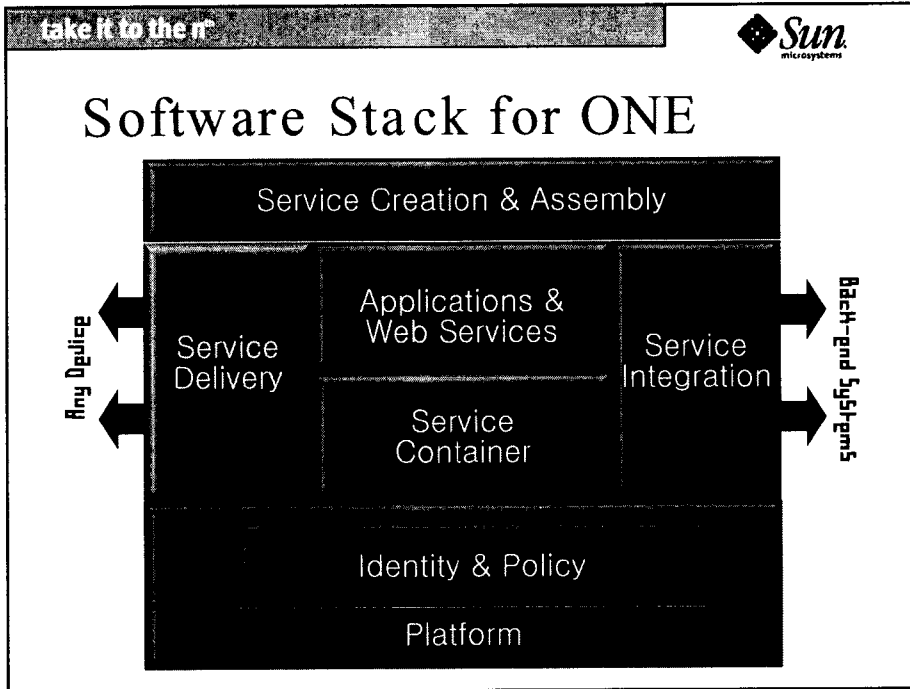
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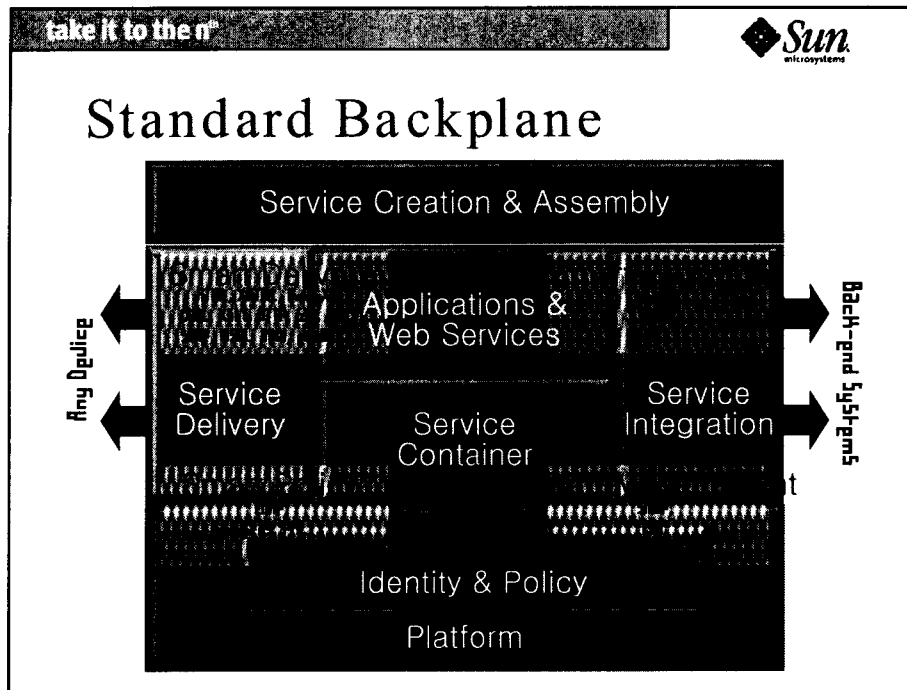


Sun™ ONE Philosophy

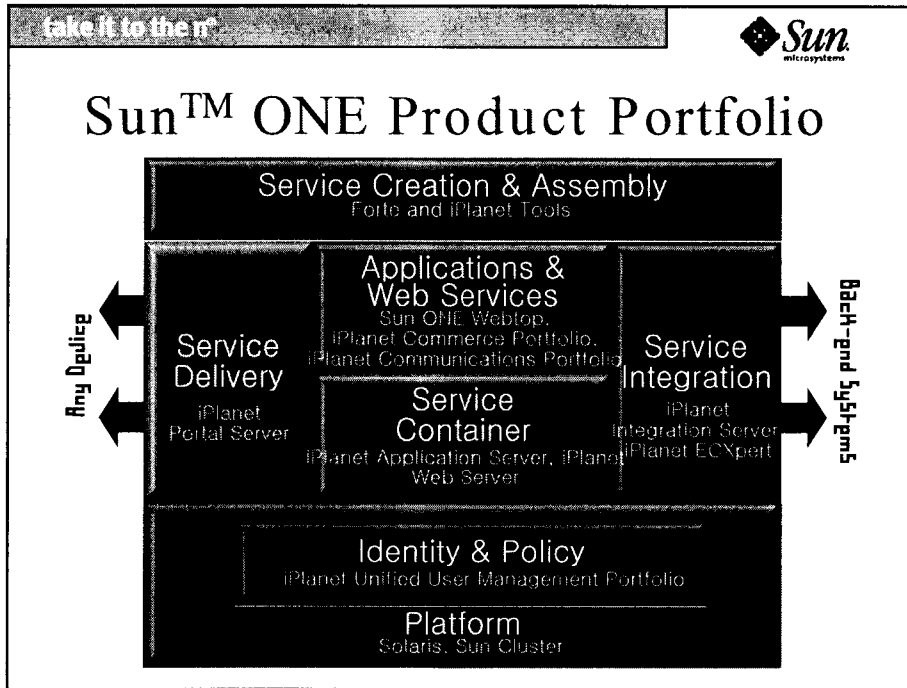
- ☛ **Freedom of Choice**
비전 정립 & 표준화 활동 & 아키텍처 정의 & 제품화, ISP 제품 육성 및 협력
 개방형 표준을 위해 협력, 구현 제품을 통해 경쟁
 비즈니스 요구사항 & 정보기술







This graphic features the Sun Microsystems logo at the top right and the slogan 'take it to the nth' at the top left. The central text is arranged in a vertical stack: 'Sun™ ONE' at the top, followed by 'Vision', 'Architecture', 'Product', and 'Expertise' at the bottom.



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Sun™ ONE Product Awards

- iPlanet Directory Server**
The leader (Market Research)
 
-  
- iPlanet Directory Server**
Market Leading Portal Technology
Enterprise Portals Market Trends, 2001-2005 (May, 2001)
 **THE RADICATI GROUP, INC.**
A CONSULTING AND MARKET RESEARCH FIRM

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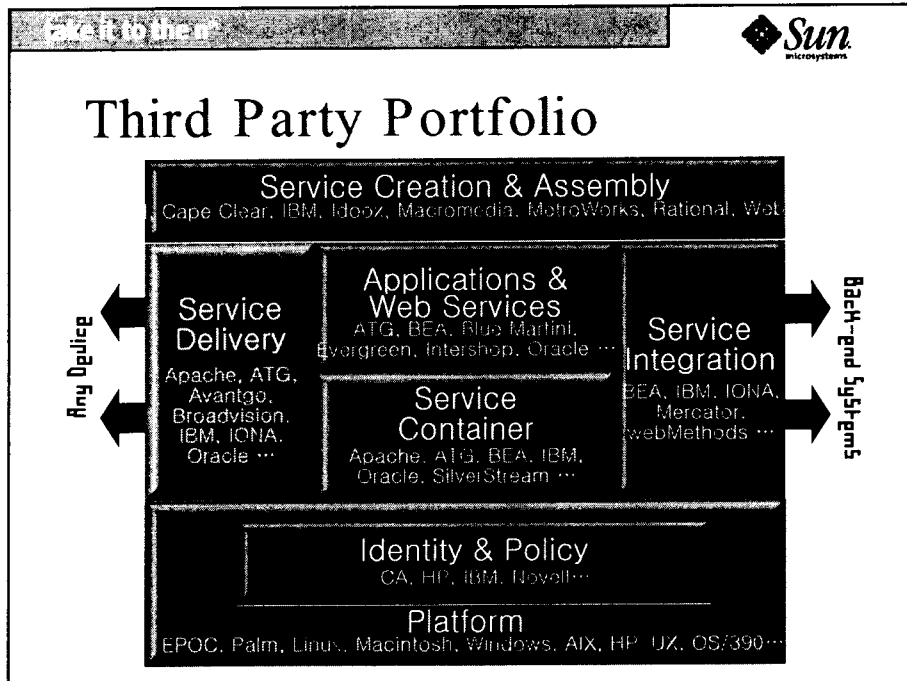


Sun ONE Product Awards


- iPlanet Web Server** **Network Computing**
Editor's Choice
 iPlanet Goes Where No Server Goes Before (June 25, 2001)
- iPlanet Application Server**
#1 rated
 Forrester Tech rankings For six months (September 2000 - May 2001)

FORRESTER
- Forte for Java 3.0**
FFJ 3.0 is a strong offering in the Java IDE category. Its ability to run on multiple operating platforms and support internet-based updates will find favor with most Java developers. Experienced Java developers will appreciate the wealth of features and functions within FFJ (August, 2001)

JAVA DEVELOPERS JOURNAL



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SunTM ONE
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Architecture
Product
Expertise

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SunTM ONE Expertise

- Sun Professional Services
- iForceSM Ready Centers
- Sun Educational Services



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Summary

- Sun™ ONE is ...
 - 현재의 인터넷 환경을 수용함과 동시에, **High Speed**로 대변되는 향후의 환경에 유연하게 대응하기 위한 Sun의 소프트웨어 플랫폼 가이드라인 신뢰성과 확장성 및 뛰어난 유연성은 비즈니스 요구에 따른 기술과 제품의 선택이 가능하도록 유도
 - 현재 대규모 기업환경에서 운용되고 입증된 **Java** 개발 플랫폼을 바탕으로 설계
 - Java(JEP)**와 **XML(W3C)** 및 산업계 표준을 준수하는 개방형 플랫폼
 - 기 투자된 시스템 환경과의 손쉬운 통합이 가능하도록 설계
 - Sun의 **Solaris, iPlanet, Forte** 및 소프트웨어, 하드웨어 제품 및 솔루션 개발을 통해 축적된 기술과 능력을 기반으로 설계

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