



CONFERENCE '06

Java™ Composite Application Platform Suite

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Product Marketing
SOA and Business Integration Platforms

Agenda



- Business Goals & Approach
- Java Composite Application Platform Suite 5.1 Update
- Wrap Up

Challenges Our Customer Face

How to

Develop deploy
and manage better
applications and
services faster
with lower TCO



How to

Leverage data and
processes already
in place in legacy
systems to build
new generation of
services

IDC Observations – the problem

- Previous approaches to application delivery have led to rigid architectures that do not respond well to changing requirements.
 - > Build vs Buy
 - > Internal build using chosen language and development framework.
 - > Vendor supplied packaged applications based on one development approach/framework
 - > Not forward compatible when new architectural frameworks overtake old ones
 - > The result is islands of technology that create an integration challenge going forward
- A continuation of the same architectural approaches just propagates the problem into the future.

IDC – Composite Apps as the Solution

- Composite applications represent a means of constructing new applications with very rich functionality in a much reduced timescale and cost.
 - > An alternative to build vs buy
- This is achieved without large-scale replacement of legacy systems.
- The promise of re-use is genuine and achievable.
- “Composite applications are key enablers of bringing IT in alignment with the business....”
- “... and of ensuring this remains the case, irrespective of the business and technology changes that are bound to occur.”

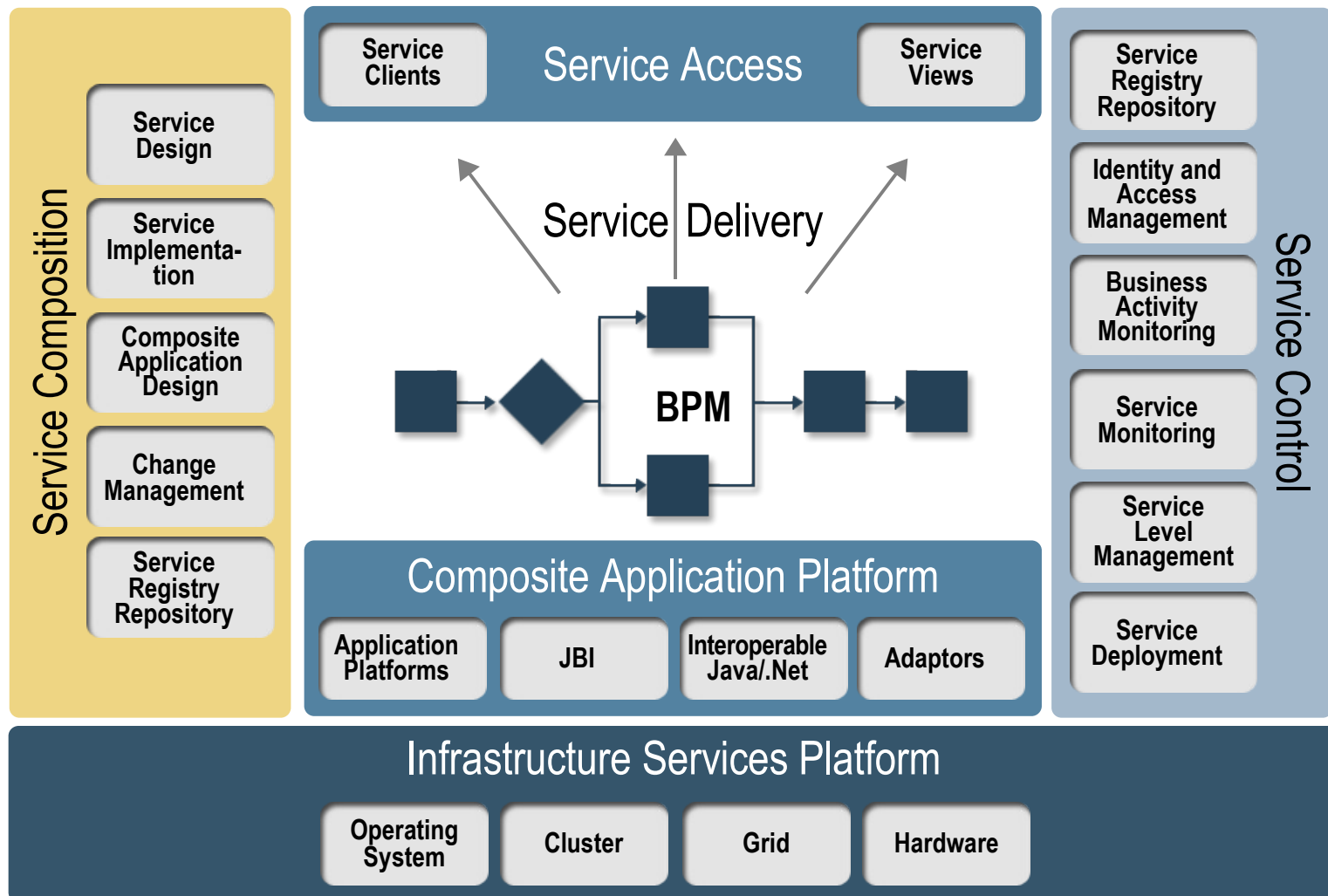
What is a composite application?

- A composite application is a collection of existing and independently developed applications, information stores, and new business logic *orchestrated together into a brand new solution of a business problem that none alone can solve*
- In some cases it requires human involvement beyond what is afforded by the existing applications; new user views and actions may be needed as a result.
- Throughout the enterprise, many composite applications may exist:
 - > Some are “stand alone” and some are loosely associated
 - > Some are recursively built on other existing composite apps
 - This landscape of composite applications in the enterprise can be thought of as the enterprise’s *composite application network*

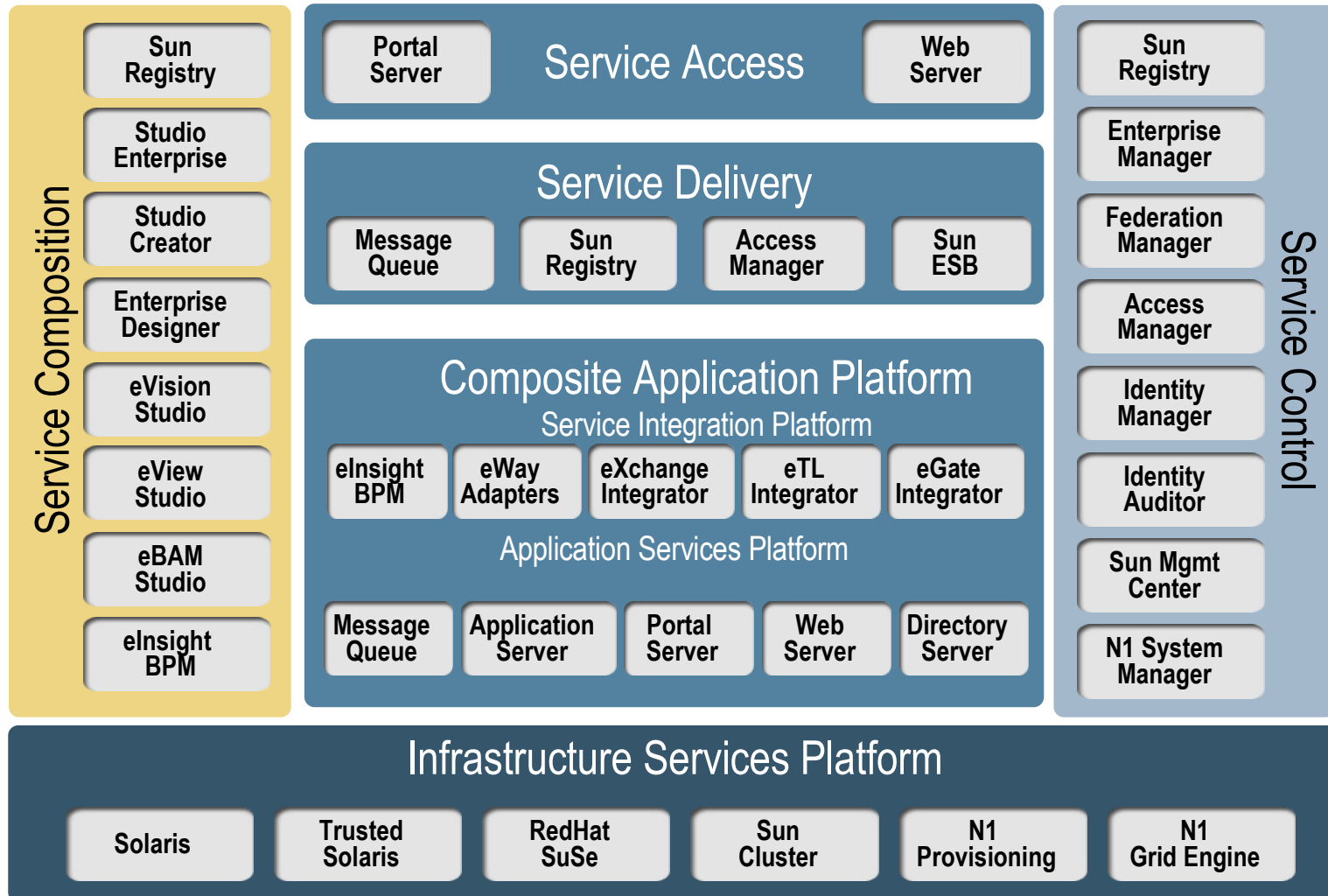
SOA and Composite Applications

- Composite application development is process-driven and based on SOA (Service Oriented Architecture) principles as compared to the application-centric nature of the old development approaches
 - > Separates the business process from the underlying systems into its own distinct layer
 - > Such separation provides the necessary **flexibility** and **adaptability** to changing either the business process itself or the underlying systems
 - > Modularizes individual functions or groups of functions into self-contained and well-defined services
 - > Such modularization of functionality into services provides for greater **reusability** and, as a result, significantly increases the **speed** of development
 - > Such modularization also drives maintenance costs down as duplication of effort is avoided and any necessary modifications have well defined effect envelopes
 - > Provides for better alignment with the business goals and operations due to its process-driven approach

Sun's Vision for the SOA Platform



Sun's SOA Platform Products Today



JavaTM Composite Application Platform Suite 5.1



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Java™ CAPS Guiding Principles

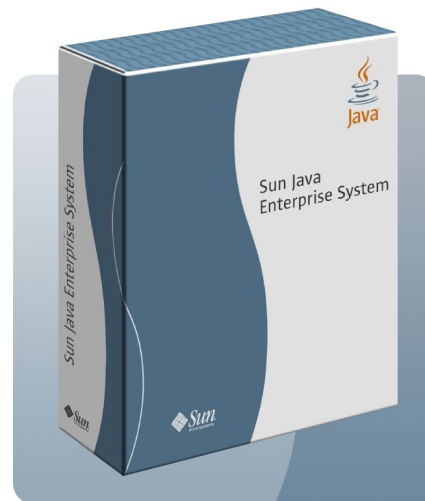


- Sun is investing in this strategic technology
- Sun will continue to integrate Java Composite Application Platform Suite with Java Enterprise System
- Sun will build and offer services and horizontal / vertical solutions on top of Java CAPS
- Sun will continue to offer a variety of ways to purchase
 - Suite subscriptions: unlimited use--employee/year
 - Point products: traditional perpetual license
- Sun will continue support for current SeeBeyond platforms

Sun Java™ Enterprise System

- Directory EE
- App Server
- Message Queue
- Web Server
- Portal
- Messaging
- Calendar
- Corporate IM
- Cluster
- Access Manager
- Portal Mobile Access*
- Identity Manager*
- N1 Provisioning System*

** Updated*



HIGHLIGHTS

- Pre-integrated, pre-tested software system
- Infinite right-to-use
- Multiplatform support
(Solaris, Solaris x86, Linux, Windows)
- Developer tools included
- Simple \$# USD/employee/year
- Targeted suites available

Java Enterprise System

Developer Tools

Java Enterprise System

Composite
Application Platform

Application Platform

ESB

B2B

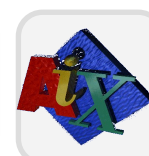
Web Infrastructure

Identity Management

Availability

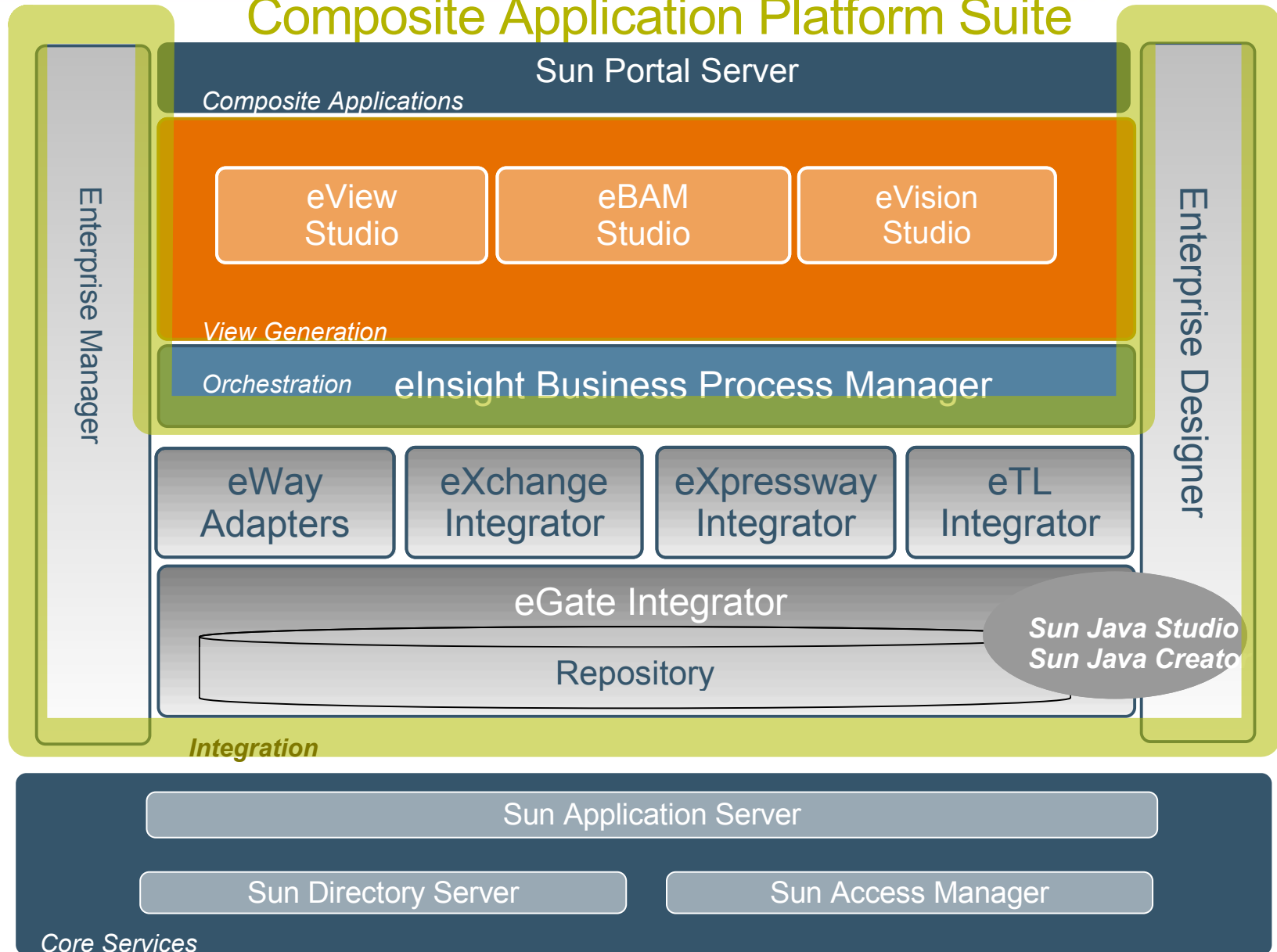
Communications

Data Center Management



Storage + STK

Composite Application Platform Suite



CAPS Suites

Composite Application Platform Suite

Everything an enterprise needs to
develop and deploy SOA and
Composite Applications

ESB Suite

Targeted to enterprise developers
who are building integration projects
based on web services, business
process management and open
standards

B2B Suite

Targeted to Business To Business
integration use cases with secure,
scalable, standards-based platform

Products / Components	Composite Application Platform Suite	B2B Suite	ESB Suite	Application Platform Suite	Web Infrastructure Suite	Identity Management Suite
Enterprise Designer	✓	✓	✓			
eVision Studio	✓	✓	✓			
Java Studio Enterprise	✓	✓	✓	✓	✓	✓
Java Studio Creator	✓	✓	✓	✓	✓	✓
Java Application Server	✓	✓	✓	✓	✓	
App Server Multi-Machine Clustering	✓			✓		
Directory Server *	✓	✓	✓	✓	✓	✓
Access Manager *	✓	✓	✓	✓	✓	✓
Java Identity Manager						✓
Java Portal Desktop	✓	✓	✓	✓	✓	
Java Portal Server	✓			✓		
Java Portal Secure Remote Access	✓			✓		
Java Portal Mobile Access	✓			✓		
Java Web Server	✓			✓	✓	
Java Proxy Server	✓			✓	✓	
eGate Integrator	✓	✓	✓			
eInsight BPM / Studio	✓	✓	✓			
eTL Integrator / Studio	✓					
eXchange Integrator / Studio	✓	✓				
eXpressway Integrator / Studio	✓	✓				
eView / Studio	✓					
eBAM Studio	✓		✓			
Communications eWay Connectors	✓	✓	✓			

* Licensed for use within the context of this Suite

Current Platform Support

- Solaris^(TM) 8, Solaris^(TM) 9
- Microsoft Windows
- HP-UX
- HP Tru64
- HP Non Stop (Tandem)
- IBM AIX
- Red Hat Linux
- SuSe Linux
- IBM ZOS
- IBM WebSphere
- BEA WebLogic



New Platform Support

- **New Operating Systems**
 - Solaris 10 SPARC and AMD
 - Microsoft XP SP2
 - IBM AIX 5.3
 - Red Hat Linux S2 on Intel EM64T
 - SuSe Linux 9 on Intel x86
 - Sun Clustering Support: Repository and logical host supported in active/passive mode for failover
- **New Java EE Application Server Support**
 - Sun AS 8.1 PE/SE/EE
 - IBM WebSphere 6
 - BEA WebLogic 9
 - JBOSS 4
 - Integration Suite monitoring of all Java IS apps running on all supported app servers.



CAPS Roadmap

Suites

Product

Composite Application Platform Suites 5.1

- Design & Operations Enhancements
- Quality & Performance Enhancements
- Alignment w/Sun Products
- Standards Acceleration
 - Java EE 1.4 run-time
 - JSR 168 portlet
 - WS-Security
- Ease of Deployment
- Business Rules support
- Platforms: Sun AS, JBoss, WebSphere, WebLogic
- Accessories
 - eWays
 - B2B protocols
 - Composite Applications
- Service Offerings
 - Common Services Framework for WS
 - SOA Framework

CY/2006

Enterprise Enhancements

Composite Application Platform Suites 5.2

- Integration with Identity Management Suite
- High Speed JBI interoperability
- High availability: App Server EE, JMS/MQ EE
- SOA broadening:
 - WS-RX, BPEL 2.0
- Ease of use

CY/2007

JBI Architecture

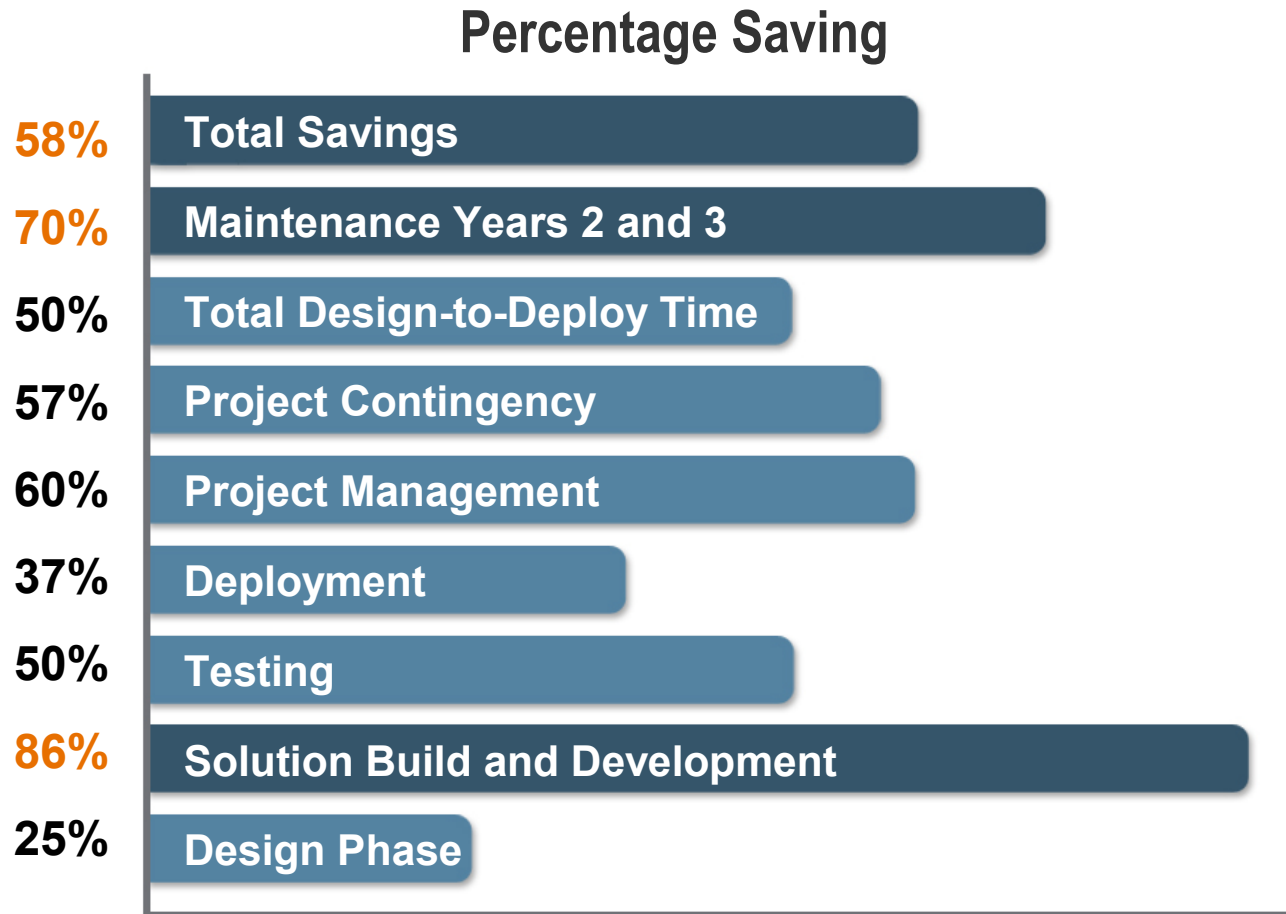
Composite Application Platform Suites 6.0

- Native JBI Architecture
- Java ES Integration: installer, monitoring
- SOA governance: service management, service QoS, service throttling

CY/2008

SOA Composite Application Development

Butler Customer Study on Sun Integration Suite



Source: Butler Group November 21, 2005

Successful Customers

Retail



Financial



Manufacturing



Successful Customers

Healthcare / Govt.



Energy / Telecom



Services / Other



Sun Competitive Differentiation

- **Completeness of the Suites**
- **Integration of the Suites**
 - > Lowest TCO due to integration of tools & runtimes
- **“Near-Zero Coding™” Model-Driven Development**
 - > Best Composite Applications: All artifacts automatically exposed as web services in a common registry available to tools
 - > Best Productivity: Graphical tools with “Near-Zero Coding” that round-trips to a Java IDE, BPEL or other editor
- **Standards Support: Interoperability and Application Portability**
 - > Java EE, JBI, JMS, WS-I Basic Profiles, XML
 - > Legacy: EDI, de jure and de facto protocols and standards
 - > Pluggability of the platform
- **Sun Platform: Architected for a Services Architecture**
 - > Best SOA Platform: Solaris™ 10, T1 chip, CoolThreads™ Technology

Sun's Advantage: Java ES and Java CAPS

INDUSTRY LEADERSHIP

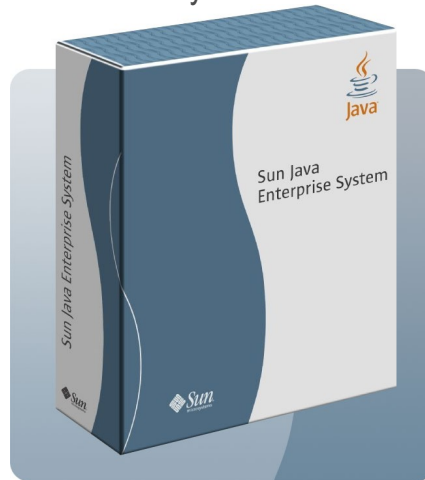
- Gartner MQ leader
 - SeeBeyond (6 years)
 - Portal Server (4 years)
 - Identity Manager
- Java Leadership: Java EE, SE, ME
- Business Integration Journal
- "Product of the Year 2004" "Best EAI Solution 2004"
- "Best Enterprise Solution" Gartner Enterprise Vision 2004
- Java Business Integration (JBI)
- #1 Web Server Fortune 100
- Most downloaded App Server with over 3 Million downloads
- First App Server to support Java

STANDARDS LEADERSHIP

- Supports major standards including: JBI (JSR208), Java EE, JMS, JCA, XML, SOAP, BPEL, JSR 168, WSDL and LDAP
- First WS-I Basic Profiles

SOLUTIONS EXPERTISE

- History of delivering solutions in Financial Services, Healthcare, Government, Retail, Manufacturing
- Delivering solution based on Java ES & Java IS today



EASE OF USE

- "Near Zero Coding" development environment
- All tools NetBeans-based
- Large TCO savings from developer ease of use
- Easy composite application
- Development and deployment
- Best integrated toolset end-to-end

TCO

- 20% savings in development and deployment costs for the Java ES (Forrester)
- Up to 58% savings in total TCO for the Java Integration Suite (Butler)

SECURE

- Industry's only complete user provisioning & synchronization solution
- First to ship SAML and Open Source SAML toolkit

NO VENDOR LOCK-IN

- "Scripting language" in product is pure Java and XML and has no proprietary elements
- Can deploy on other application servers (WebLogic, WebSphere, Sun App Server, and JBoss)

Java™ Composite Application Platform Suites are the industry's most complete, secure and scalable platform for the development, deployment and management of enterprise integration projects and composite applications



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Java™ Composite Application Platform Suite

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Ruentis acervi, qui redit in fastos et virtutem:

Si meliora dies, ut vina, poemata reddit, scire velim, chartis pretiu quotus arroget annus. scriptor abhinc annos centum qui decidit, inter perfectos veteresque referri debet an inter vilis atque novos?

Excludat iurgia finis, ÒEst vetus atque probus, centum qui perficit annos.
Ó Quid, qui deperiit minor uno mense vel anno, inter quos referendus erit?
Veteresne poetas, an quos et praesens et postera respuat aetas?

- ✓ ÒIste quidem veteres inter ponetur honeste, qui vel mense brevi vel toto est iunior anno
- ✓ Ó Utor permisso, caudaeque pilos ut equinae paulatim vello unum, demo etiam unum, ruentis acervi, qui redit in fastos et virtutem aestimat.
- ✓ ÒIste quidem veteres inter ponetur honeste, qui vel mense brevi vel toto est iunior anno