



Business Process Integration- System Z as the Hub for SOA

Enabling Innovation that Matters for System z

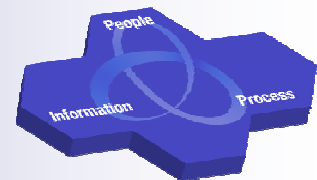
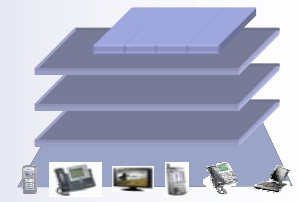
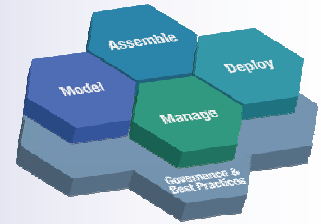
Jamie Thomas

Vice President, WebSphere Server Development



History of SOA Announcements

September 2005	<p>Announced SOA Lifecycle and Reference Architecture Established value of doing BPM enabled by SOA Partner Ecosystem</p>
1Q 2006	<p>Introduced specific needs and solutions for industries PartnerWorld announcement: SOA Specialty WebSphere Service Registry and Repository Preview SOA Business Catalog</p>
2Q 2006	<p>Business Centric SOA: Entry Points SOA Business Catalog SOA and the System z Platform</p>
August 2006	<p>Acquired Webify Solutions Announced intent to acquire FileNet, Acquired MRO</p>
October 2006	<p>SOA Business Value Building out the SOA Environment Business Services, BPM, Infrastructure & Management, Governance</p>



Key Takeaways

IBM with our Business Partners are the leaders in SOA

- ▶ *Over 3,000 engagements and 1,300 new partners*
- ▶ *Over 300 customers deploying SOA on CICS Transaction Server V3.1 ... and the fastest uptake of any version of CICS TS*
- ▶ *WebSphere Application Server for zSeries had 21% growth in 2005.... and 25% penetration in z accounts*
- ▶ *zAAPs outperformed expectations by 36% in 2005*
- ▶ *New System z9 processor range from 26 to 18,000 MIPS*

IBM's SOA approach of "Flexible Entry" enables customers to deploy SOA at the rate and pace they need with real business results

- ▶ People, process and information entry points
- ▶ Reuse and connectivity are critical

IBM continues to build out SOA capabilities

- ▶ BPM enabled by SOA
- ▶ Infrastructure and management
- ▶ SOA Governance



IBM demonstrates SOA leadership via:



- **Products and Professional Services**
 - ▶ Breadth of SOA Foundation capabilities
 - ▶ Business & Industry Services to complement
 - ▶ Implementation skills
- **Business Partners and Sellers**
 - ▶ Worlds largest SOA partner community: 2500+ partners
 - ▶ Depth of SOA Specialty Partners – 104+ partners
 - ▶ Trained IBM Community grows to over 100,000
 - ▶ 3100+ Assets in our SOA business catalog – 60%+ partner
- **Experience**
 - ▶ 3000+ SOA Engagements and 3300+ SOA Assessments
 - ▶ 80 SMB SOA references
 - ▶ All industries, All geographies, All company sizes
 - ▶ First to establish SOA Center of Excellence
- **Open Standards**
 - ▶ Contributes to 50+ SOA Based Committees
 - ▶ 20+ technical contributions, 4 new committees/workgroups in the past year
 - ▶ 150+ contributions to open source
 - ▶ Ongoing innovation, with hundreds of SOA related patents

Customers realizing value across multiple industries

Half of the world's 30
biggest electronics
companies

10 of the world's 10
biggest auto
manufacturers

More than 2,500
SOA Business
Partners

8 of the world's 10
biggest banks

4 of the world's 10
biggest retailers

9 of the world's 10
biggest telcos



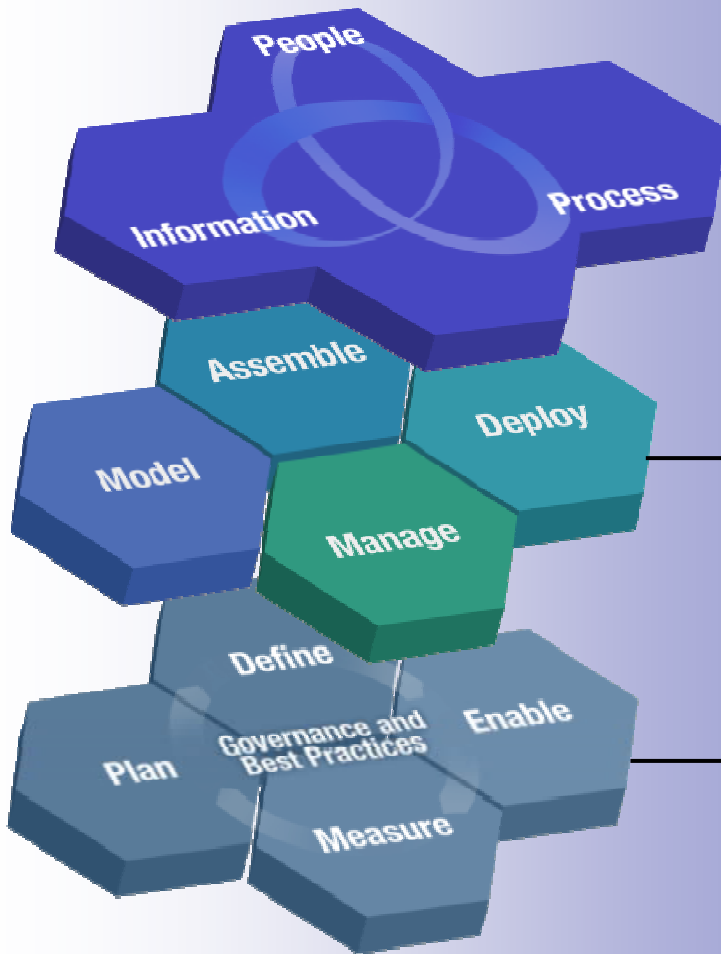
80% of the biggest
US health plans

80 SMB references

8 of the world's 10
biggest insurers

97% of customers justified their SOA project on cost
100% saw increased business flexibility
51% saw revenue growth

Building out IBM's SOA capabilities



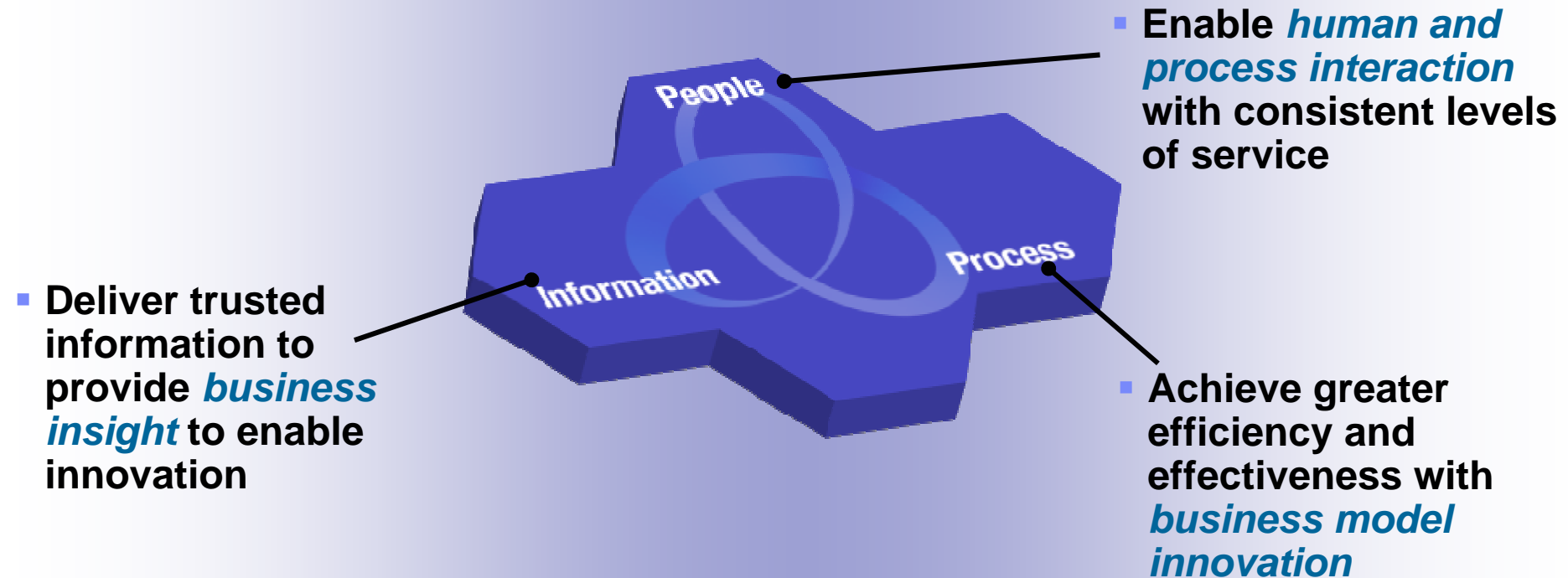
- **Building upon** Entry Points
- Industry-specific though **business services**
- Increasing focus on **Business Process Management enabled by SOA**

Extending **Infrastructure and Management in Support of SOA**

SOA Governance is tightly associated with **Service Lifecycle Management**

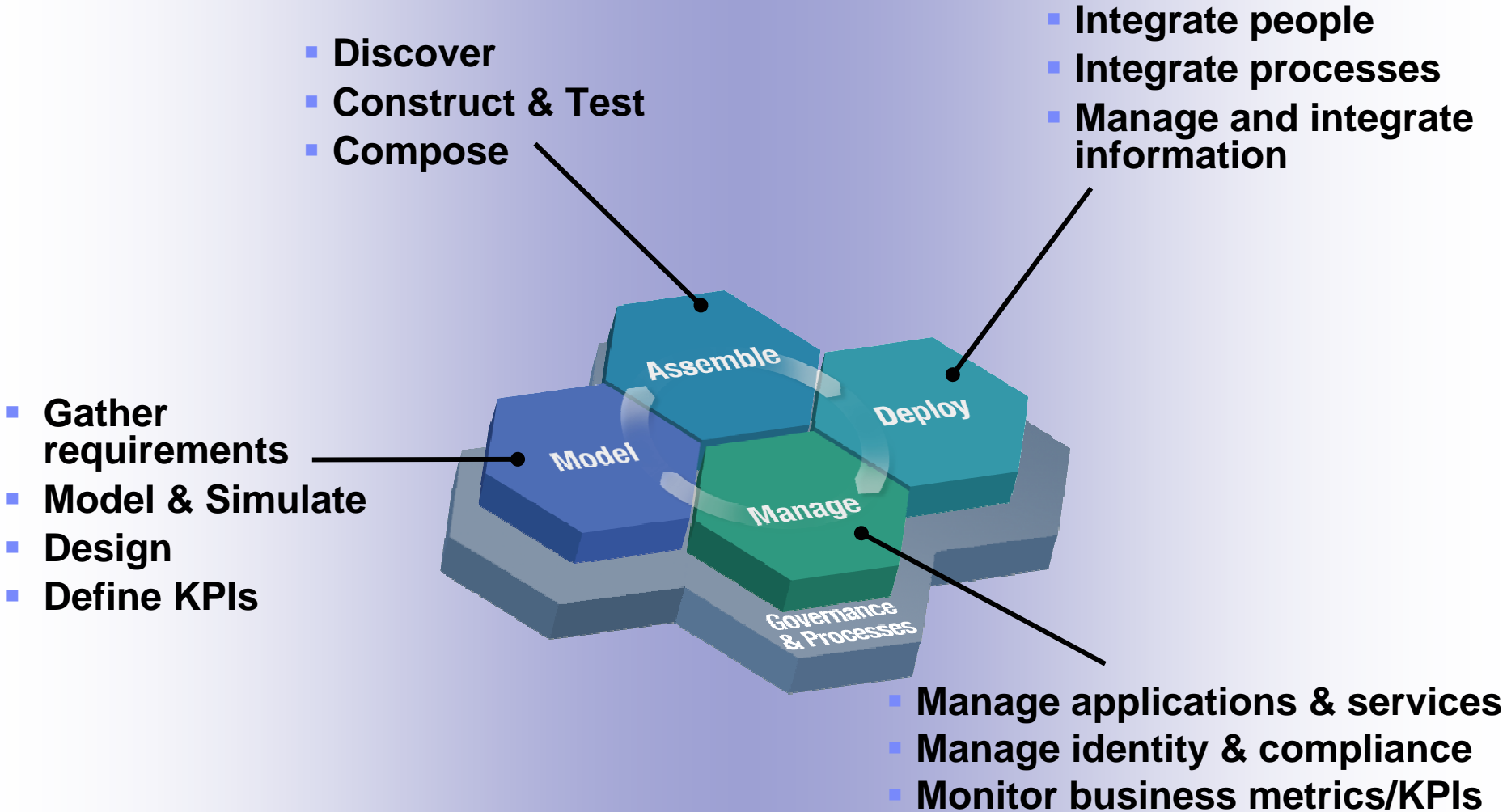
IBM's View of SOA: Business Centric

Built on SOA Lifecycle



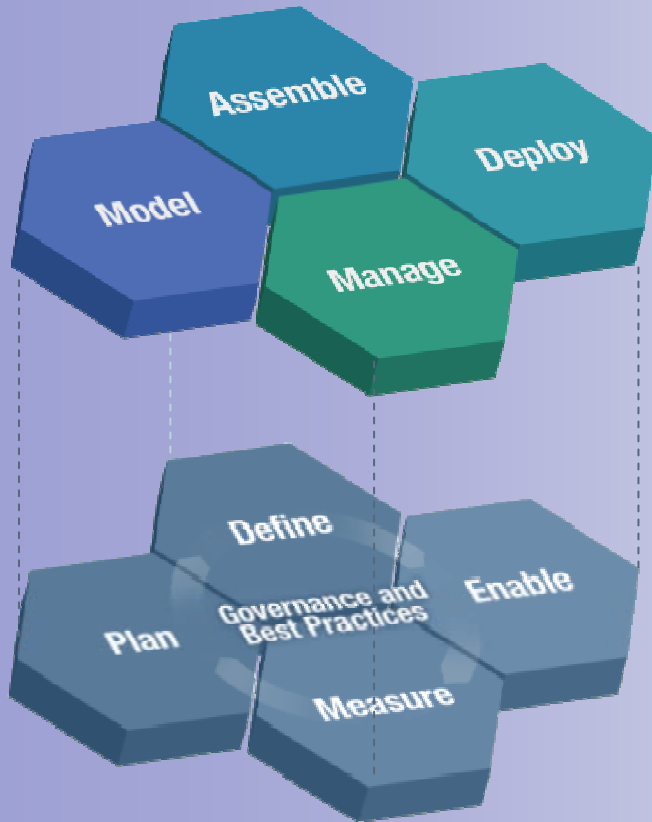
Recent studies of over 1900 customers showed SOA starting points of people, process, information or a combination of all three

The SOA Lifecycle



SOA Governance

Tightly associated with Service Lifecycle Management



Service Lifecycle Management

Service Development and Delivery Management

Enforce, execute, automate process and policies

Infrastructure and Management In Support of SOA

Monitor and control operational policies

SOA Governance

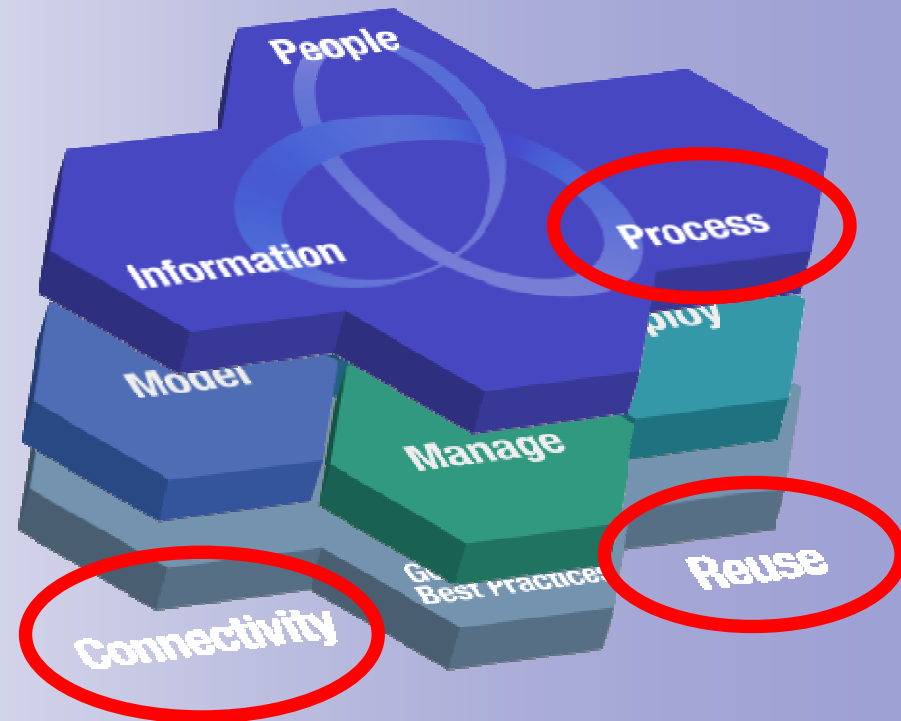
SOA Governance Method
Establish Process and Policies

SOA Entry Points in Process, Connectivity and Reuse

IBM's strategic SOA investments in System z

System z as the SOA Hub for:

- *Service deployment and reuse*
- *Business connectivity*
- *Process Management*
- *Governance*



SOA Entry Points Help Customers Get Started

Both Business Centric and IT Focused

Information

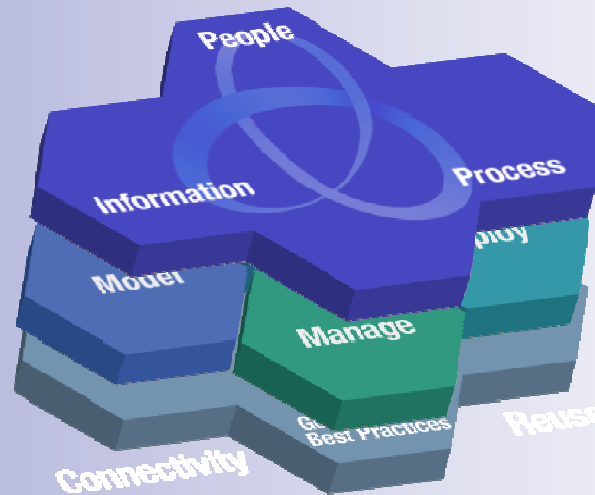
WebSphere Information Server
 DB2 Viper
 WebSphere RFID Premises Server / Device Infrastructure
 Master Data Management

People

WebSphere Portal
 Front End Tooling Innovation
 SOA Dashboard Offerings

Process

WebSphere Process Server for z/OS
 WebSphere Business Modeler
 WebSphere Business Monitor
 WebSphere Integration Developer



Connectivity

WebSphere MQ
 WebSphere Enterprise Service Bus for z/OS
 Web Sphere Message Broker
 WebSphere Adapters for z/OS

Service Deployment and Reuse

WebSphere Application Server V6.1
 CICS Transaction Server V3.1
 IMS V9
 z/Transaction Processing Facility
 WebSphere Service Registry/Repository
 WebSphere Developer for z/OS



SOA Entry Point to Creating & Reusing Services

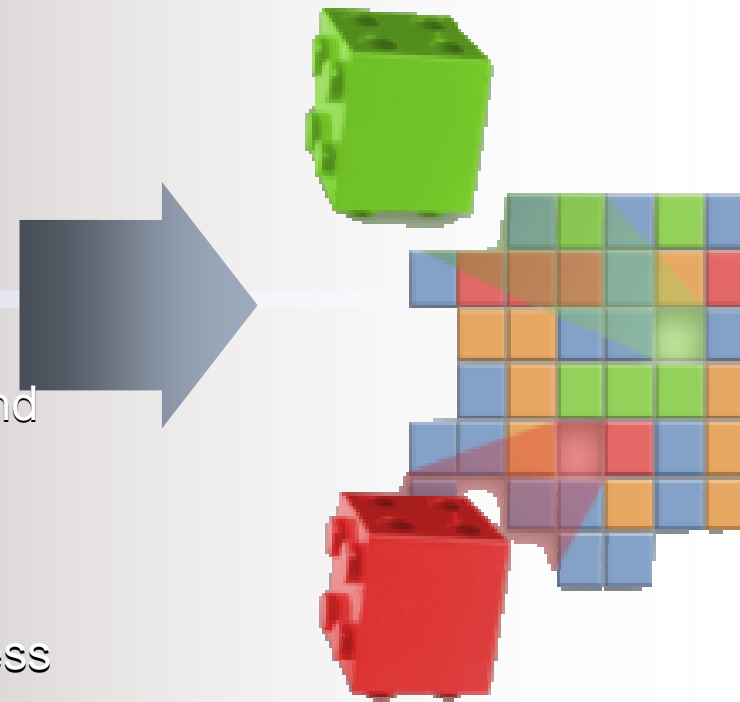
Create and Deploy Flexible, Service-based Business Applications

z Value

- Flexibility and elimination of duplication for reduced cycle times and lower project risks
- Expanded access to core applications and business rules
- Consultant studies have found it 5X less expensive to re-use existing applications than to write new applications

Start with

- Identify high-value existing enterprise assets and service-enable them for reuse
- Fill in gaps by creating new services for today's business needs and future reuse
- Registry/repository to facilitate centralized access and control of reusable services



A bright and rising future for CICS Transaction Server

Rock-solid deployment platform, 100% aligned with SOA technologies

CICS Transaction Server V3.1

enhanced

- Build Web services with no change to existing applications
- Highest levels of data integrity and security
- Optimized throughput and performance
- Simple and intuitive management
- New SOA Statement of Direction
 - ▶ Extended integration of the CICS Service Flow Runtime with WebSphere Process Server
 - ▶ CICS support of WebSphere Service Registry/Repository
 - ▶ Support for Event Driven Applications

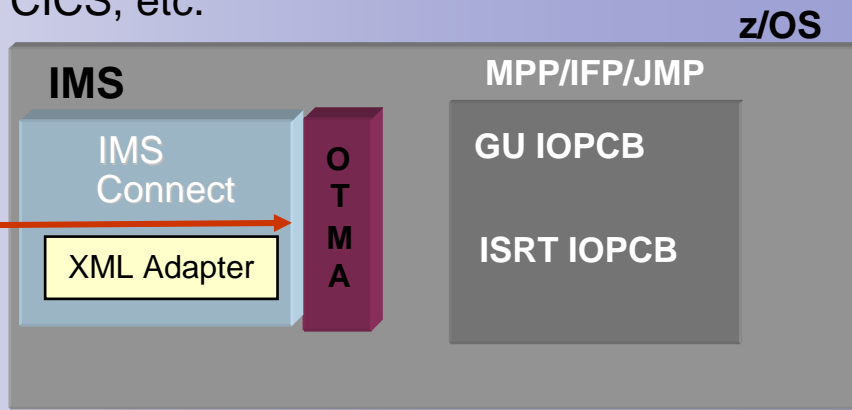
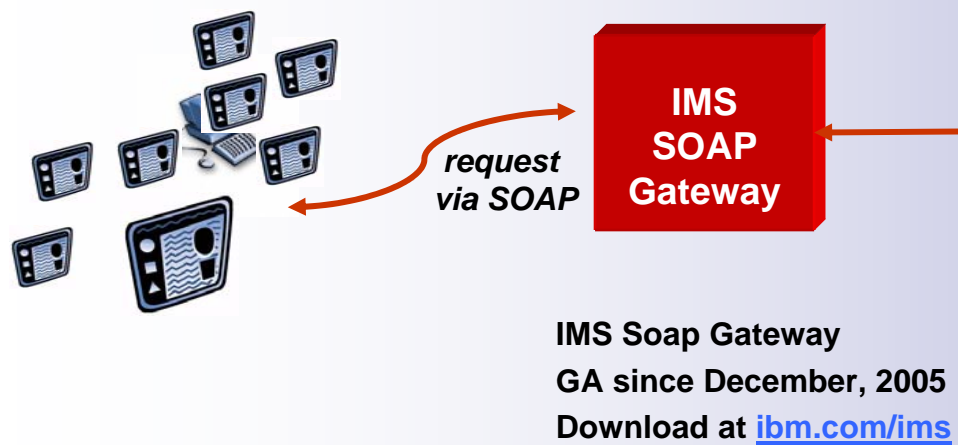


IMS Application Integration with IMS SOAP support

IMS V9

enhanced

- Enables Reuse of IMS Applications as Web Services
 - ▶ Support Webservice specifications
 - ▶ Leverages open standards and utilizes flexible tooling support
- Provides IMS Transaction Interoperation with Client Applications
 - ▶ Independent of location, programming language, and platform
 - ▶ SOAP Clients can be Microsoft .Net, SAP, Java, CICS, etc.



Drive your business: WebSphere Application Server

Add resiliency to critical business applications deployed to z/OS, while using open standards to prepare for the future

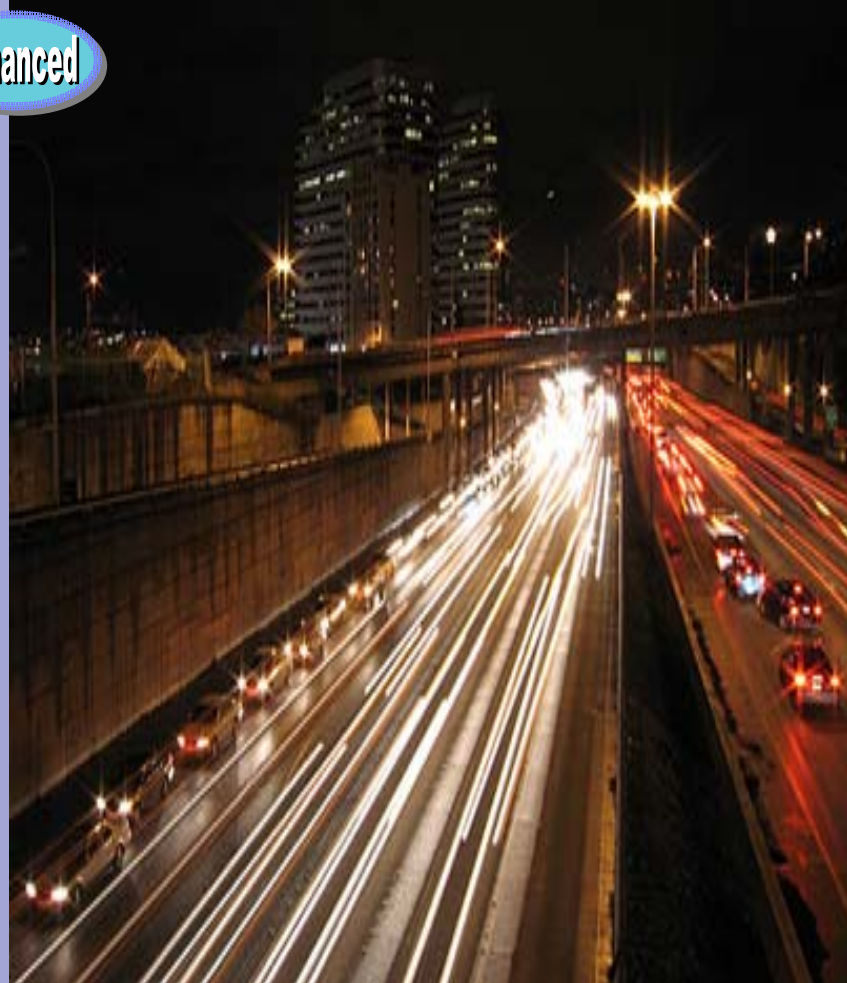
WebSphere Application Server V6.1

- Common code base for application portability and consolidation to System z
- Ease-of-use features help accelerate time to value
- Have confidence applications are secure and available
- z/OS platform integration provides advanced availability, scalability, workload management, and security

WebSphere Extended Deployment V6.0

- Reuse core business logic with new business patterns
- Automate system responses to application health and business demands

enhanced



WebSphere Application Server v6.1

Powering your SOA for the Ultimate in Business Flexibility

Standards Based and Open

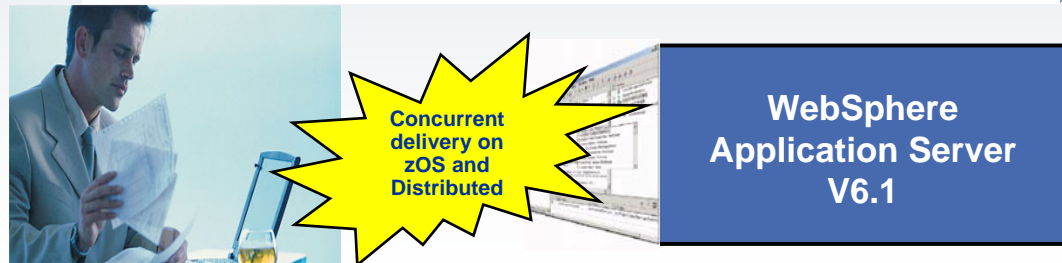
- J2SE 5.0
- Web services standards
 - WS-Interop Basic Security
 - WS-Notification
 - WS-BusinessActivity
- JSR168 Portlets
- JSR116 SIP Servlets

Platform Capability

- Proxy Server Enhancements
- Integrated User Registry
- Government Standards

Consumability

- Application Server Toolkit, including automation tools and Command Assistance
- Simplified Administration
 - Steps for many tasks reduced +50%
- Simplified SSL Key/Certificate Management
- Security enhancements
- IHS administration enhancements
- Integrated Support Assistant
- Install Factory



Concurrent delivery on zOS and Distributed

**WebSphere
Application Server
V6.1**

Advancing the Application Server to the next level

NEW!

64-Bit Support on WAS 6.1

- Allows WebSphere Application Server to run in a 64-bit virtual addressing Mode
- Removes restriction on amount of virtual storage available to both the applications and the server
- Currently in Beta
- December deliverable

“Apache HTTP Server on z/OS” on WAS 6.1

- Provide and easier to use HTTP server on z/OS
- Port of distributed code base onto z
- Currently in Beta
- December Deliverable

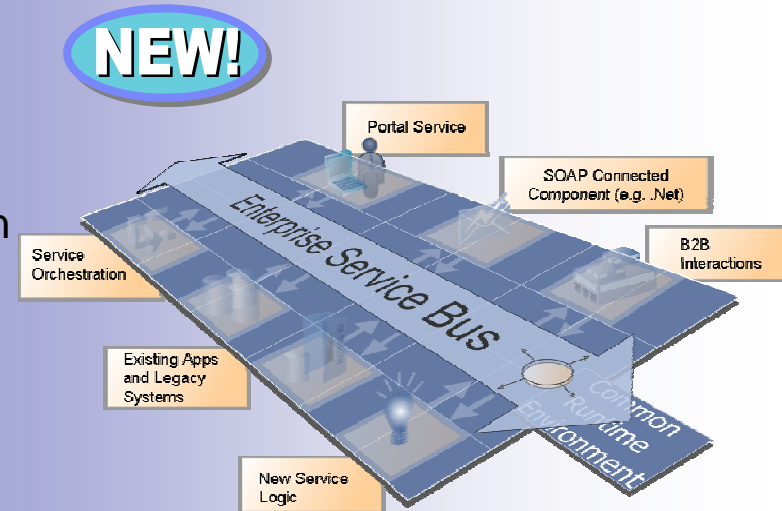


WAS v6.1 Feature Packs

Bringing State-of-the Art Technology to Market Quickly!

Web Services- Alpha, June '06

- Windows & Linux, February '07 GA, all platforms
- Delivery of Reliable Asynchronous Messaging Profile
- Provides secure, reliable business process integration with those of customers and suppliers allowing interactions to span long durations
- Java and SCA programming models
- Community Centric Profiles delivered in WAS 7.0



SOA- Alpha, June '06

- ▶ Windows & Linux, 2Q07 GA, all platforms
- ▶ Tuscany code base on WAS 6.1
- ▶ SCA and SDO Samples
- ▶ Whitepapers, BLOGs – to detail IBM's plans for SCA and SDO within an SOA environment
- ▶ Includes SOA Core from WPS 6.0 (for interoperability)



WebSphere Extended Deployment for z/OS V6.0.1

Service mixed environments more efficiently

- *Enables REAL IT environments*
 - *Mixed application servers (WebSphere and non-WebSphere)*
 - *Mixed workloads (J2EE transactional batch and OLTP)*
- *Enhances quality of service management for a mixed application servers and data sources*

Easily manage large scale production implementations

- *At-a-glance assessments of system vitality and improved application management*
- *Interruption-free application updates to manage deployment of multiple application versions*

Improve the performance and throughput of your transactions

- *Near linear scalability for **high-end transaction processing***
- *Enhanced data access for accelerating throughput*
- *Partitioning facility enables development of highly scalable, high performance J2EE applications*

Accommodate peaks in demand by better utilizing existing resources

- *Compliment the value of z/OS workload manager (WLM) with granular prioritization of J2EE workloads and enhanced cross-LPAR routing capabilities*
- *Functions with Intelligent Resource Director (IRD)*



Bank of Montreal Exploits its Re-usable Assets

Integration with the mainframe is essential for BMO's SOA

Actions & Benefits:

To increase customer satisfaction, BMO needed a new teller application that integrated with its sales and CRM systems

“WebSphere was very attractive to us because of its ability to integrate with our existing main-frame legacy systems.”

— Randy Oswald, senior vice president, technology and solutions, BMO Financial Group



Used flexible **Web services** to transform core CICS systems to integrate with Siebel CRM



Built an SOA using **WebSphere's** open standards for interoperability between disparate products and platforms

Improved productivity & efficiency with reduced operating costs using WebSphere integration on z/OS

Capabilities used: WebSphere Message Broker, WebSphere Application Server, CICS



Standard Life's Re-usable Assets

Transactions reused as Web services

Actions & Benefits:



Flexible integration through **WebSphere MQ Message Broker**, invoking CICS and IMS applications as Web services

Lowered development costs and risk by reusing **Web services based** code assets

Over 50% of Business Services are re-used, **saving >\$5M** in development costs



Offer agents timely value-loaded portal access to data through **WebSphere Application Server**



SOA Entry Points Help Customers Get Started

Both Business Centric and IT Focused

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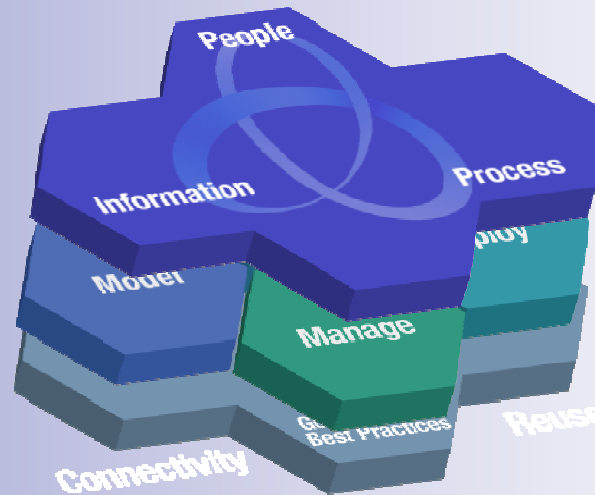
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SOA Entry Point to Connectivity

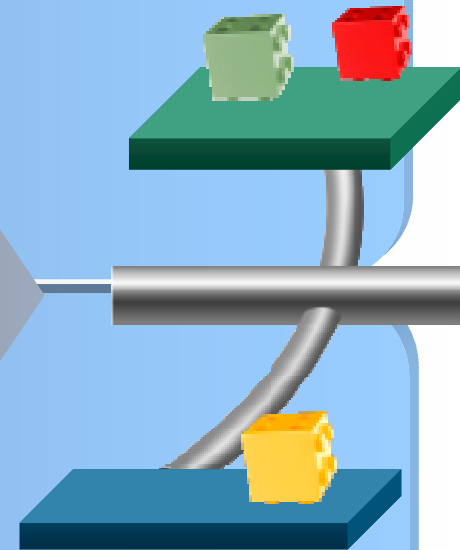
Connectivity to Support Business Centric SOA

z Value

- Deliver services through new business channels for a secure, consistent user experience
- Service-based connections with trading partners
- Potential savings of 2 – 4x over custom-built integration or FTP

Start with

- Messaging backbone as the foundation for SOA connectivity
- Enable mediated exchange between services, by leveraging an ESB
- SOA appliances integrate for ESB functions in a hardware form factor



Connect Services

Delivering the ESB without limits

Break through limits to deliver end-to-end reliable and secure connectivity with integration to all applications, systems, and services

ENHANCED!

WebSphere ESB

(for Web services including the latest WS-* standards)

- Web Services connectivity, JMS messaging and Service Oriented Integration
- Seamless integration with the WebSphere platform
- Improved time to value

Messaging Backbone



ENHANCED!

WebSphere Message Broker

(the advanced ESB for high performance integration of Web services and non-Web services assets)

- Provides Web Services connectivity and non standard interface connectivity
- Unmatched in integrating heterogeneous systems, platforms, devices, APIs, etc...
- Universal transformation, high performance, and integrated complex event processing

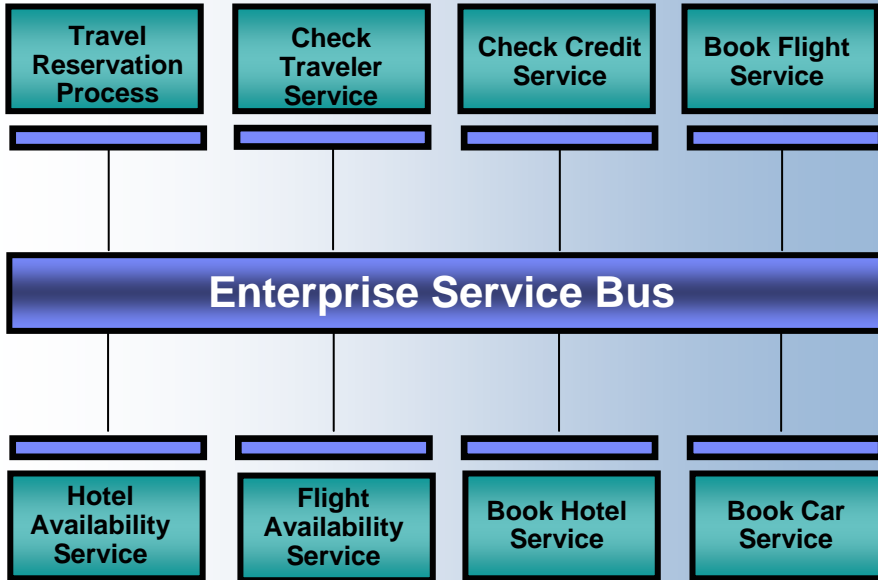


Connect Services

Connecting People, Process, and Information

1

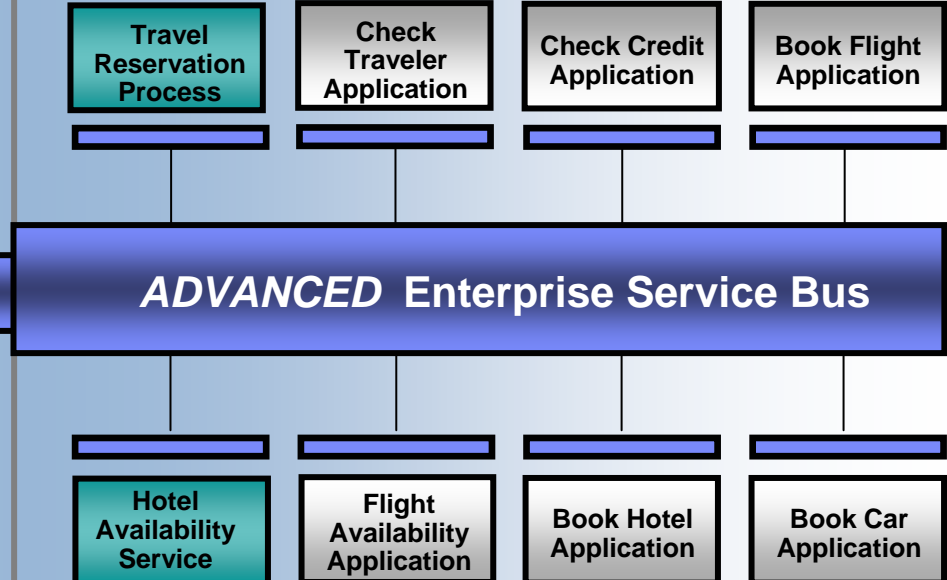
If all your applications conform to the Web Services standards...



...then all you may require is an **ESB** focused on standards-based service integration.

2

If not all your applications conform to the Web Services standards...



...then you may require a more **advanced ESB** focused on the integration of services with existing non-services assets.

WebSphere ESB and WebSphere Message Broker

ESB:

WebSphere ESB

Advanced ESB:

WebSphere Message Broker

**Web Services connectivity
and data transformation**

**Universal connectivity
and data transformation**

HTTP JMS

WebSphere MQ

Web Services XML

WebSphere Adapters

HTTP JMS WebSphere MQ

Web Services XML WebSphere Adapters
Plus the following:

Weblogic JMS® Biztalk® TIBCO Rendezvous®

MQe Multicast Tuxedo® FTP TIBCO EMS JMS®

COBOL HIPAA EDI-FACT HL7 SonicMQ JMS®

Copybook ACORD Real-time IP AL3 Word/Excel/PDF

SWIFT FIX ebXML EDI-X.12 MQTT Custom Formats

Customers face a range of ESB requirements. As a result, any given project might require an ESB or an Advanced ESB... OR BOTH.

Connect Services

Delivers Service enabled applications to participate in SOA

Broad support, including Linux

- WebSphere Adapters for JDBC (J2EE 1.5) and FlatFile support Linux on System z
- Widening the depth of IBM's BPM and application integration portfolios

ENHANCED!

Pre-built adapters

- For PeopleSoft Enterprise, SAP Software, Siebel Business Applications, and Oracle
- Enterprise Metadata Discovery (EMD) specification support, with wizard-driven metadata configuration using WebSphere Integration Developer V6.0

Build your own adapters

- WebSphere Adapter Toolkit to facilitate development of custom JCA 1.5-compatible adapters
- Integrated with common tooling- WebSphere Integration Developer

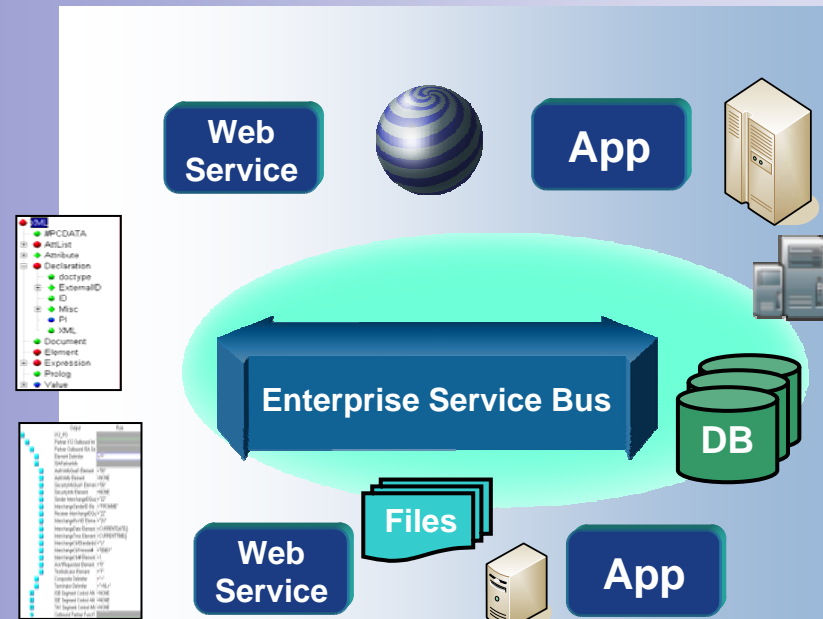


Data Transformation to Meet your Needs **NEW!**

Universal transformation deployable anywhere in an enterprise

Map and Transform any data to multiple formats anywhere in your SOA

- ▶ Flexible and integrated transformation
- ▶ Embed within applications
- ▶ Execute from scripts
- ▶ Drive with Events
- ▶ Deliver as Services or deploy on Appliances



Flexible options for universal transformation, anywhere in your SOA with an ESB using WebSphere Transformation Extender.

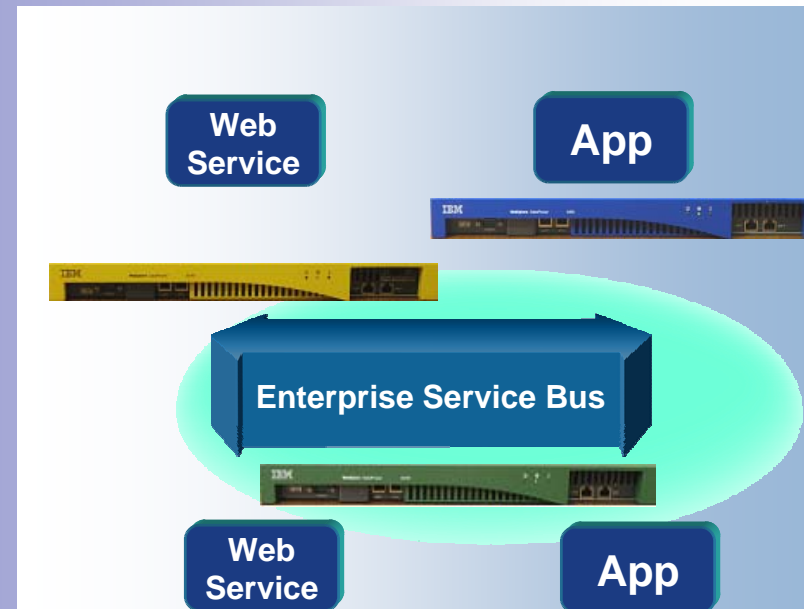
DataPower Appliances

Specialized SOA Hardware to Extend ESB Capabilities

NEW!

Extend ESB functionality in a hardware form factor using appliances

- ▶ Simplify SOA
- ▶ Help Secure Web services
- ▶ Accelerate SOA with wire speed performance
- ▶ Easy-to-deploy appliances
- ▶ Robust Service Level Management & Web Service Management



Simplify, help Secure and Accelerate SOA and your ESB, with WebSphere DataPower SOA Appliances

Connect existing and new services & other assets

Avis creating value with their System z assets

Actions & Benefits:



Provided shared access to **corporate-wide data** across SOA Infrastructure

Flexible integration through **WebSphere MQ Message Broker**, reusing existing applications as Web services



Objective to be **first to market** with new capabilities, lower development time and costs

Accelerated service delivery time to address customer requirements and competitive pressures

Capabilities used: IBM WebSphere Message Broker, WebSphere MQ, WebSphere MQ, DB2, and Tivoli on Z/OS



SOA Entry Points Help Customers Get Started

Both Business Centric and IT Focused

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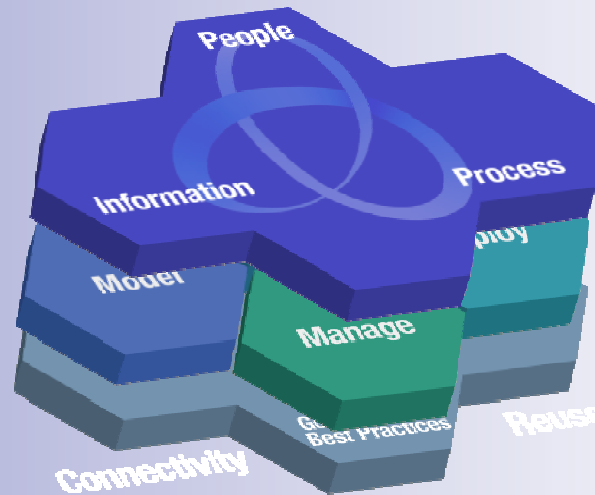
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SOA Entry Point to a Process Centric Approach

Business Process Management for Continuous Innovation

z Value

- Innovative, SOA driven business models deployed quickly with flexible processes
- Automate and integrate core processes
- Centralize business critical processes with core services and communications hub necessary to support the enterprise



Start with

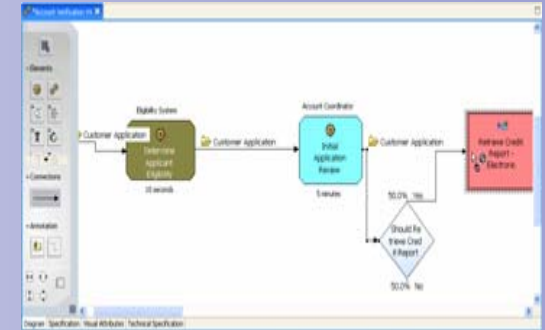
- A single process – model an underperforming process, and deploy as an enhanced process.
- Flexibly link multiple processes across the enterprise & to suppliers / partners. Monitor the process to measure & track performance.

Model Business Processes for SOA roll-out with WebSphere Business Modeler



■ Modeling For Compliance/Documentation

- ▶ Document processes for use by a business to understand the business process
- ▶ Customers use output for training, collaboration, documentation requirements for compliance regulations (Sarbanes-Oxley and Basel II)
- ▶ Linkage to real-time monitoring provides a feedback mechanism for reporting requirements needed for compliance



■ Modeling For Redesign

- ▶ Document both the current state and future state business process and the comparison to determine Return on Investment (ROI) analysis
- ▶ Six Sigma and Process Improvement are common methodologies

Subject	Status	Priority	Type	Author	Responses	Created	Modified
Comment on the Account Verification As Process	Open	High	Suggestion	epadmin	1	Sat Jul 09 20:26:42 EEST 2005	Sat Jul 09 20:26:42 EEST 2005

■ Modeling For Execution

- ▶ Modeler can create artifacts from the business model and make them available in technology development tools to reduce the overall implementation time of new business processes.

Set KPI's based upon key performance objectives

Assemble Composite Applications with WebSphere Integration Developer



Streamlining process design hand-off between business and IT

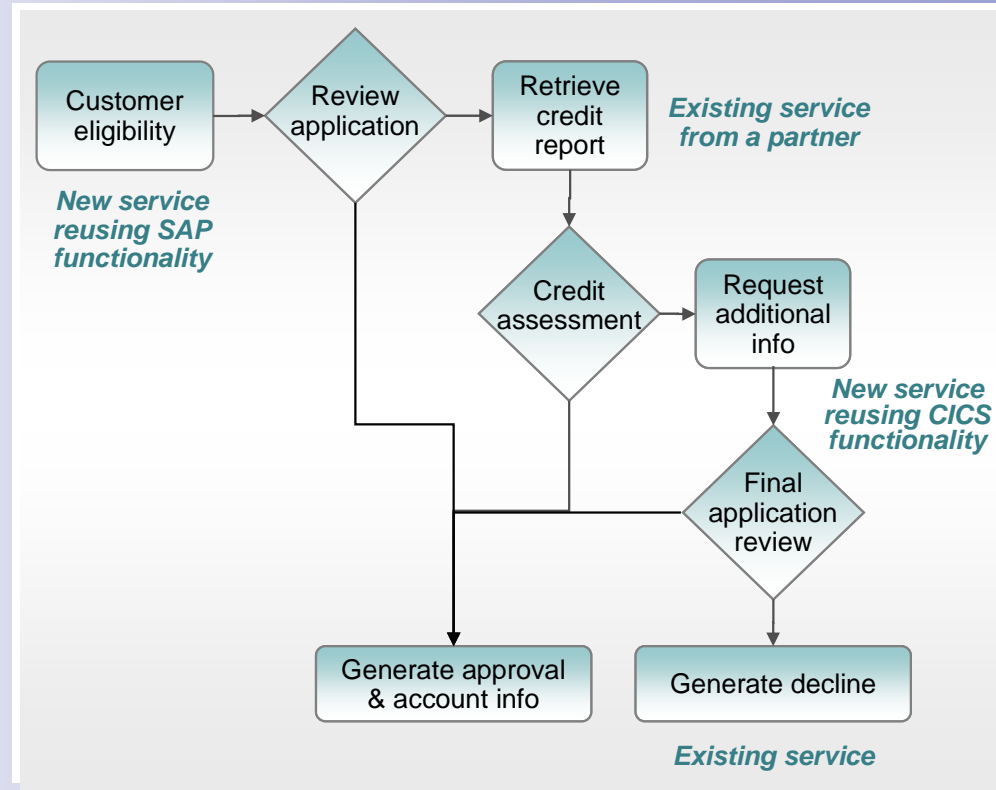
- Import and work with business process models directly from the business analyst (WebSphere Business Modeler)

Simplifying and speeding development

- Easy to use tools where everything can be done through the GUI
- Single way to define all types of processes (human, automated, rules, etc.)

Maximizing re-use

- Ability to leverage existing services and develop for future reuse



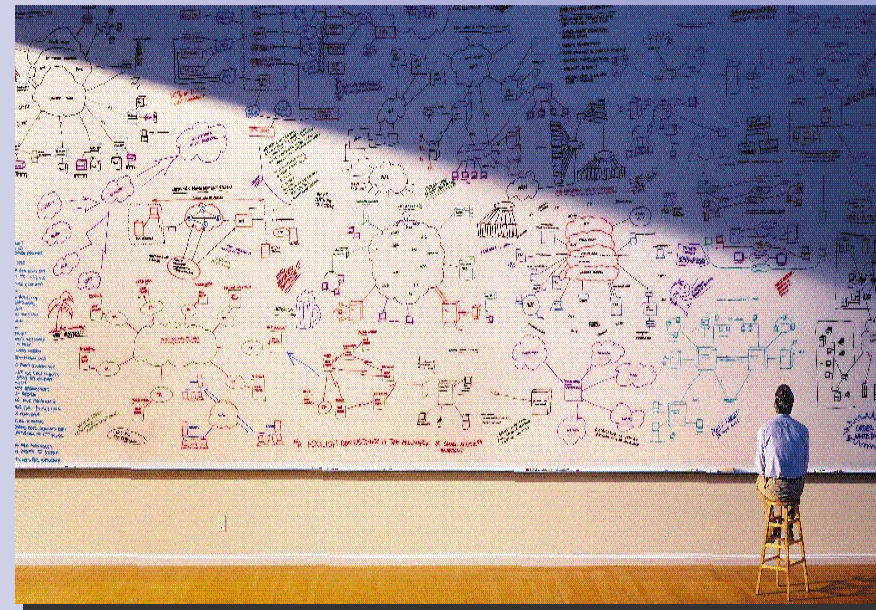
WebSphere Process Server for automated SOA runtime

A deployment environment for composite applications to ensure maximum flexibility at the speed of business



WebSphere Process Server for z/OS

- Centralize your business process and share them across the enterprise
- Extend the value of core applications and databases, with the qualities of System z.
- Add connectivity and mediation support for Web services and JMS applications anywhere
- Innovate new standards-based solutions for easy assembly/deployment of service components



System z for when your processes absolutely must be available



WebSphere Business Monitor

Monitoring business performance across your SOA



Improve business visibility

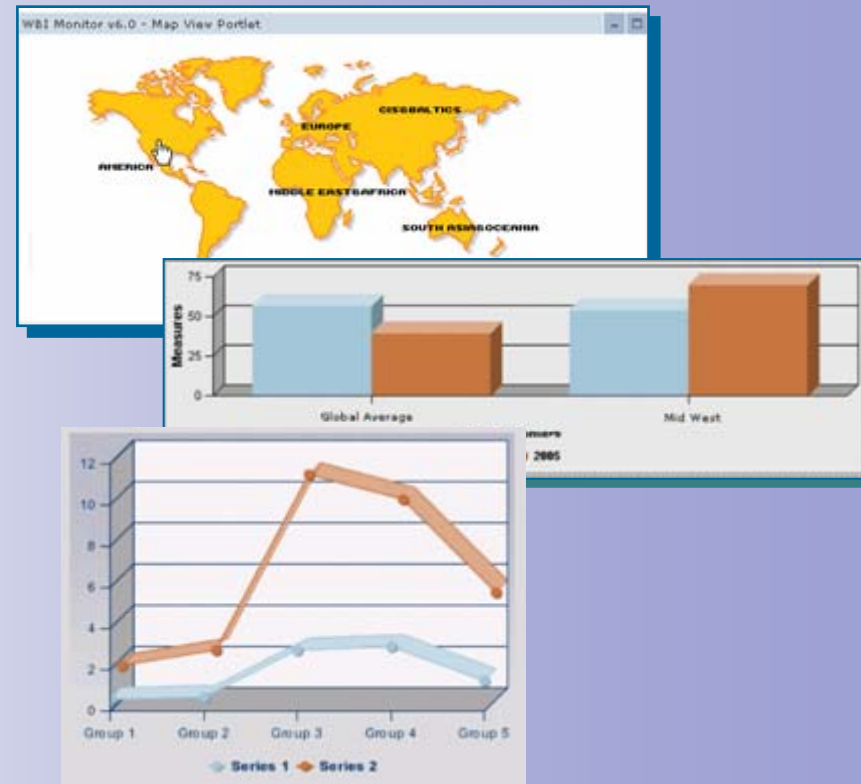
- Management dashboards and reporting capabilities, including trending information
- Tools to define or customize your dashboards
- See how your business is performing before issues arise

Ability to intervene in deployed processes

- Action Manager – supporting real-time response and action as performance data is received

Optimize flow of information

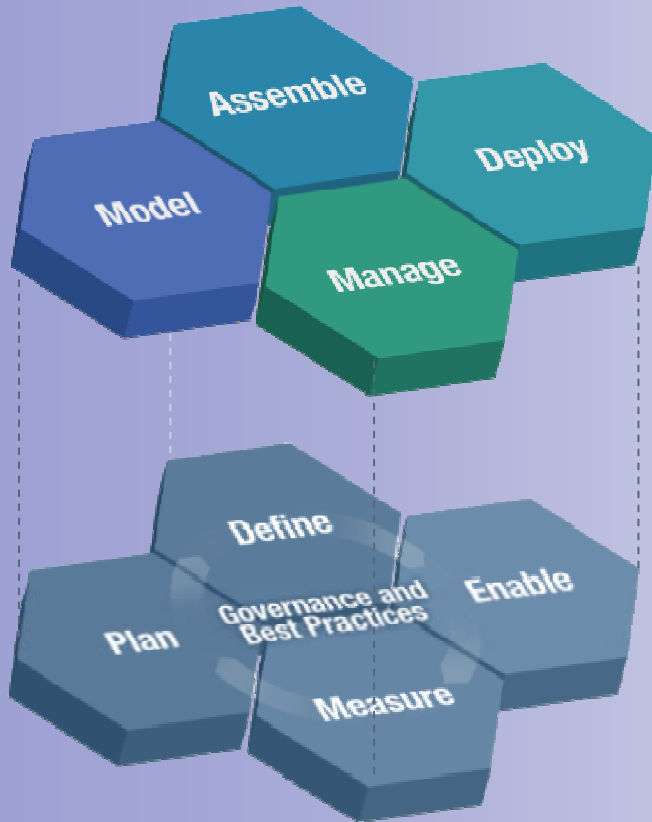
- Ability to export data to WebSphere Business Modeler for analysis and process improvement
- Run modeling simulations based on real data from the business monitor



Monitor KPI's based upon key performance objectives

SOA Governance

Tightly associated with Service Lifecycle Management



Service Lifecycle Management

Service Development and Delivery Management

Enforce, execute, automate process and policies

Infrastructure and Management In Support of SOA

Monitor and control operational policies

SOA Governance

SOA Governance Method
Establish Process and Policies

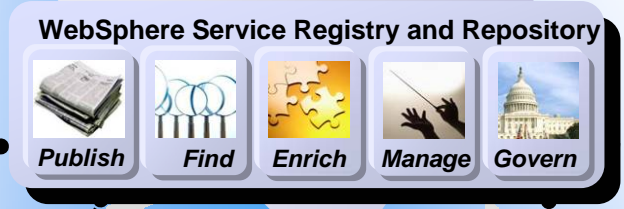
Governance and Repositories to manage SOA assets

Leverage SOA for Governance through management of assets

NEW!

Other Service Endpoint Registries / Repositories

- Discover services from other registries

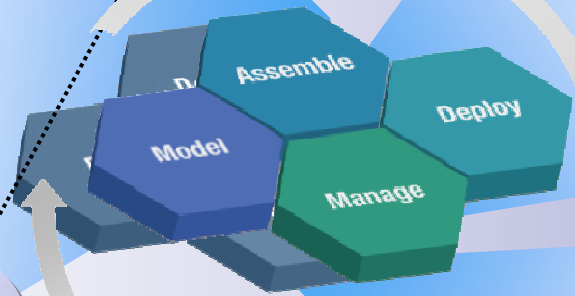
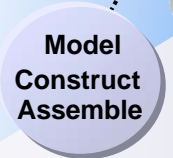


Change & Release Management

- Manage deployed services to ensure changes are authorized and service integrity is maintained
- Notify clients of changes

Service Development Lifecycle

- Discover, develop, and reuse services to serve as building blocks
- Publish newly developed services and artifacts



Operational Efficiency and Resilience

- Manage efficiency by providing detailed information about service interaction endpoints being monitored.

Federates SOA repositories across the lifecycle

WebSphere Service Registry and Repository

Promotes SOA Governance through management of assets

An enterprise-wide service registry and repository improves visibility, reusability, adaptability, and manageability of services

The WebSphere Service Registry and Repository ...

- **A repository** for service metadata
 - ▶ for example, WSDL and XSD
- **For publication** of services
 - ▶ to advertise their capabilities
- **For finding** suitable services
 - ▶ for reuse and runtime agility
- **For capturing** service dependencies
 - ▶ to support change management
- **An extensible** framework
 - ▶ to support validation and notification

NEW!

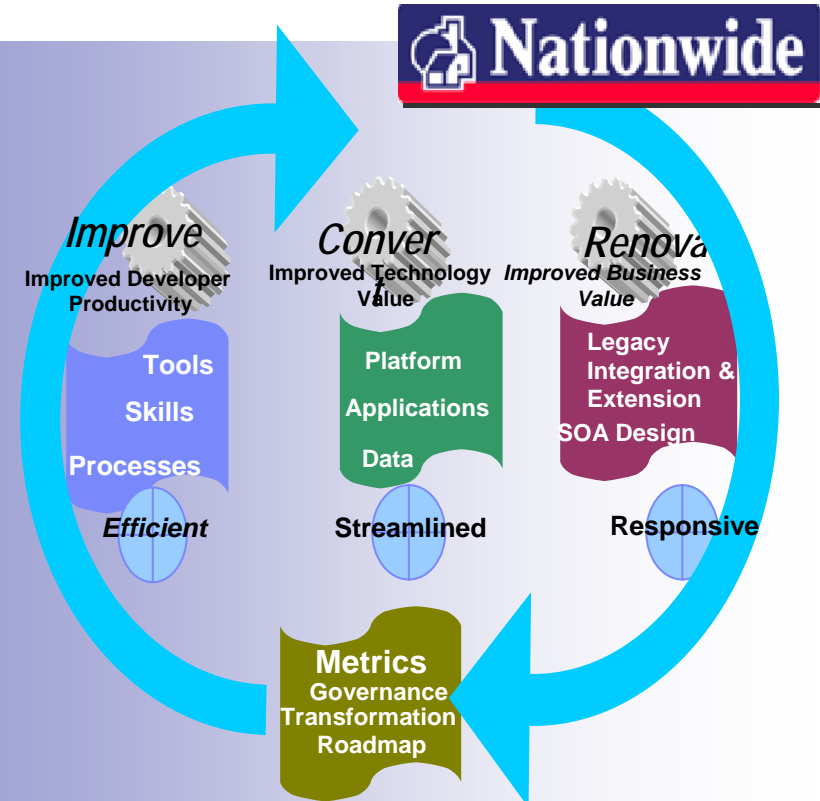
*Platform for
Business Connectivity*



Nationwide establishes Mainframe Center of Excellence

Leverage and modernize the mainframe environment with IBM tools

- The enterprise understands that to simply abandon mainframe applications is to lose a significant competitive advantage.
- The enterprise prefers a strategy to preserve and renovate critical business processes by developing and managing an incremental modernization roadmap.
- Modernization encompasses not only the applications but also the architecture, processes, tools, infrastructure and developer community.



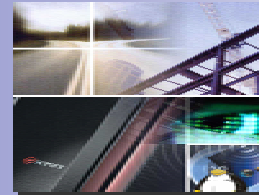
Architecture & Design Excellence



Application Excellence Process & Tools



Infrastructure Excellence



People Excellence



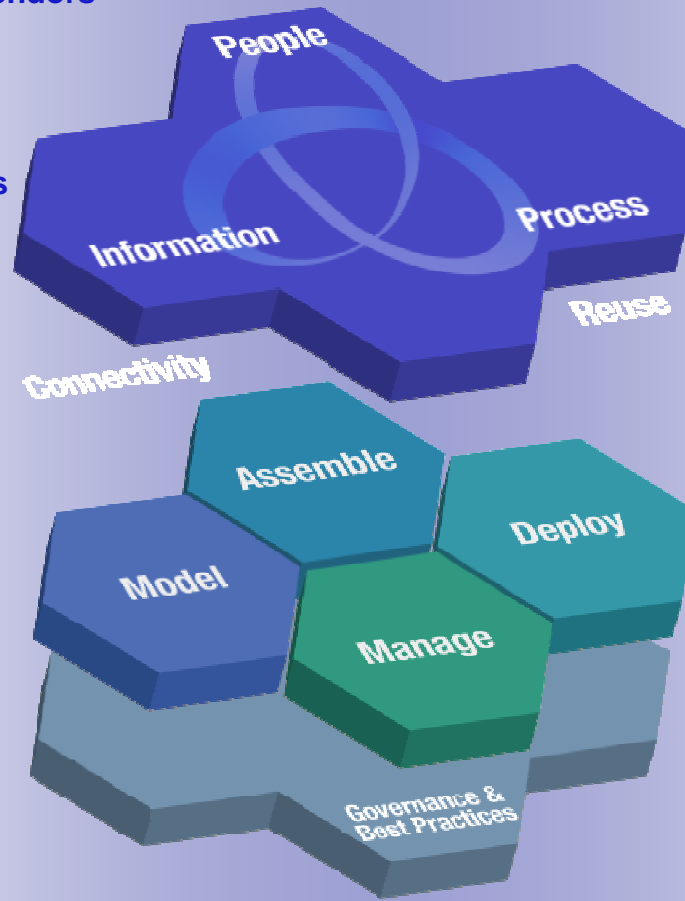
SOA and IBM System z9 Business Partners

Customers are gaining competitive advantage with partners

IBM System z9 Business Partners*

- Independent Software Vendors
- Influencers
- Resellers
- Solution Providers
- Systems Integrators
- Value Added Distributors

- TCS
- Agilysis
- Accenture
- Bearing Point
- Mainline
- SESG
- MSI
- Jeskell
- Vicom Infinity
- Berbee
- Bridgewater
- Teamsoft
- Cornerstone
- R&D Group
- Perficient
- ConsultUS
- JAT Consulting
- Leveraging Technology



IBM System z9 Business Partners Independent Software Vendor Application Examples

- AFS
- IBI
- eFunds
- Innoves
- Intercope
- Itemfield
- Mainsoft
- Quest
- Volante
- XAWare

Services Provided*

- Core Infrastructure Support
- OTC Sales Resale
- Application Development Projects

* Representative firms and services from among hundreds of IBM System z9 Business Partners



Enabling innovation that matters for System z

- IBM's view of SOA is business centric
- IBM is investing in System z as a SOA platform
 - ▶ Business centric entry points for People, Process, Information
 - ▶ Deployment of business services
 - ▶ Enterprise Connectivity
 - ▶ Process and Systems management
 - ▶ Application Development for System z
 - ▶ System z9 Enterprise Class and Business Class
- IBM customers are rapidly **converging on SOA and System z**



Backup

Platform for Business Centric SOA – System z

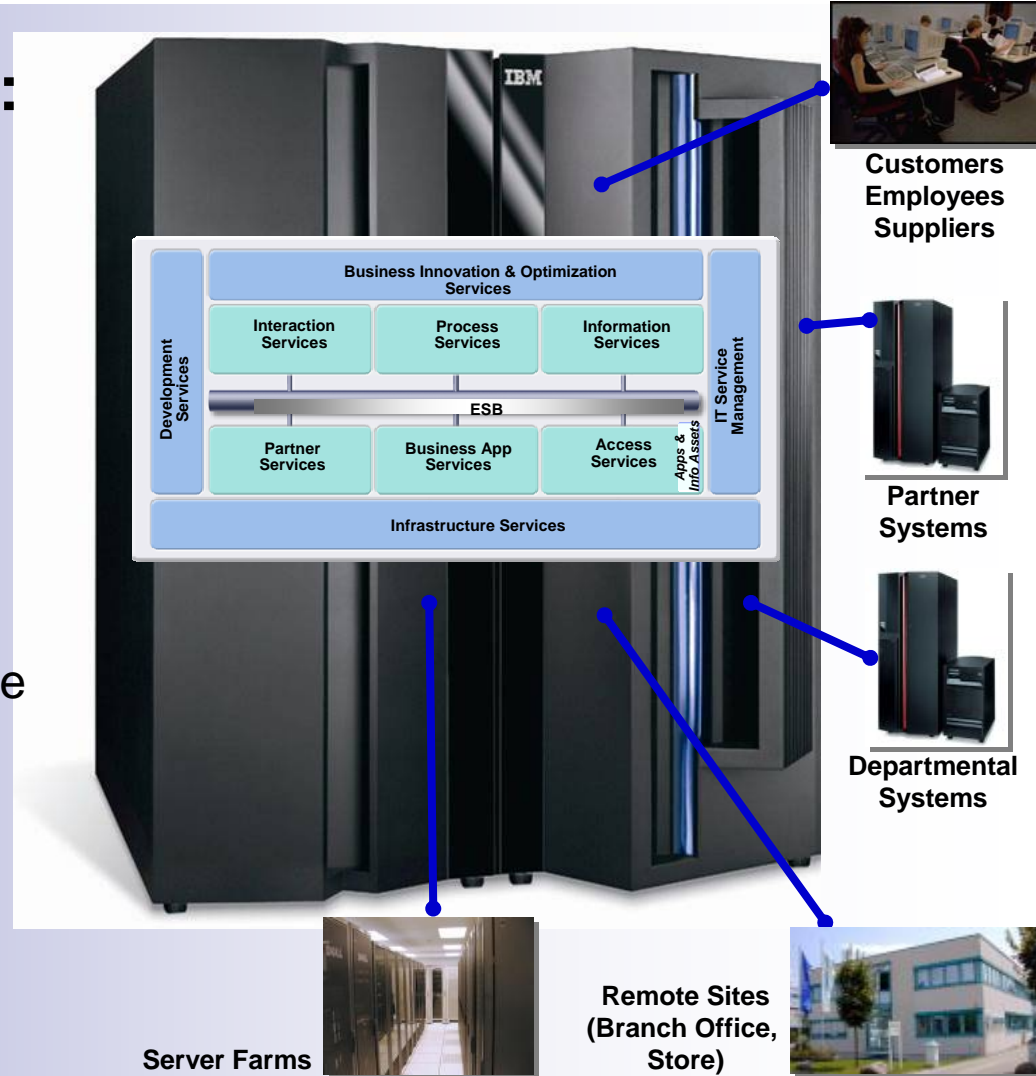
Delivers all the essential SOA qualities

Architecturally compatible:

- SOA Reference Architecture
- Architectural services
- Communications and integration
- Process control
- Reuse of core assets
- Industry standards compliant

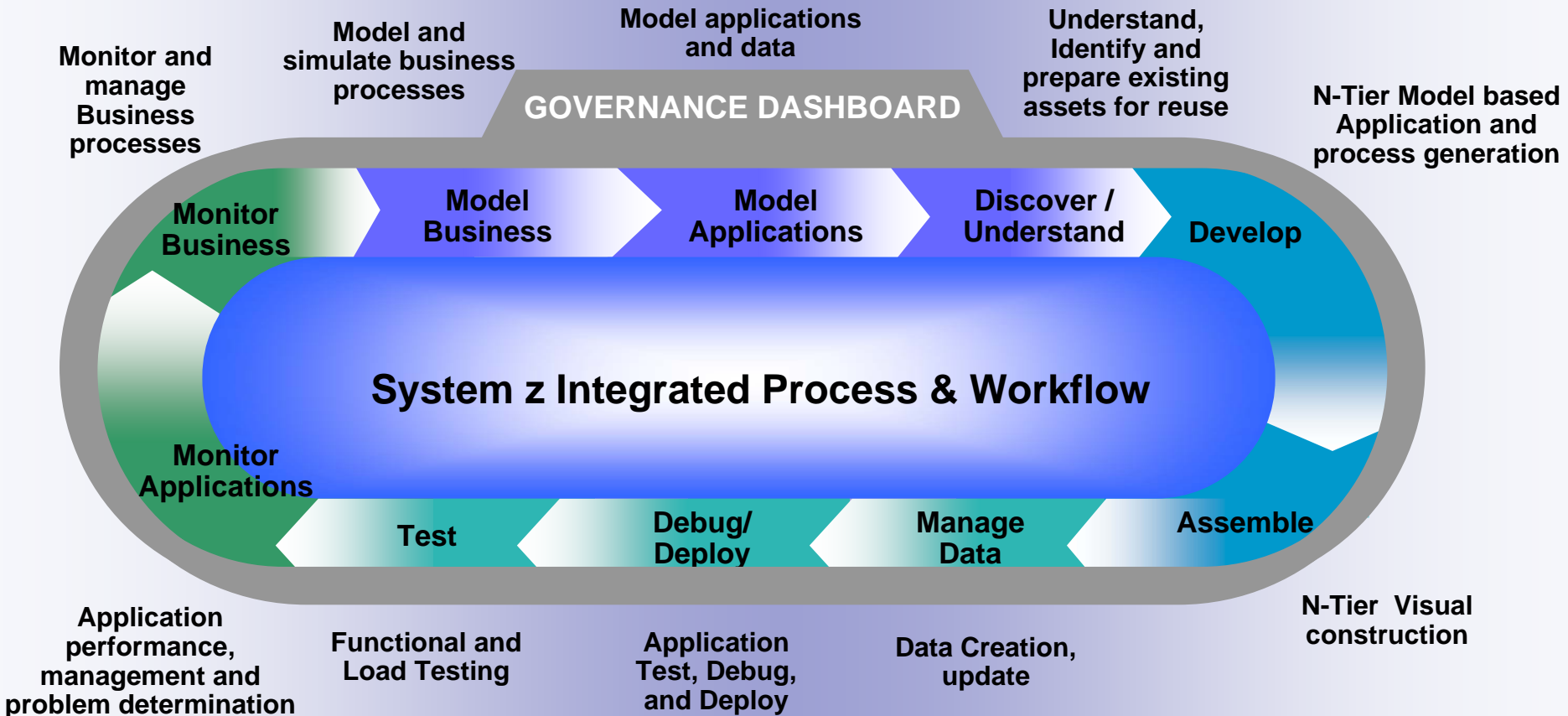
Operationally superior:

- **Security** end-to-end in the enterprise
- **24/7 availability**
- Massive **scalability**
- **Automated recoverability**
- **Centralized** operations



System z Application Lifecycle

The scope of IBM tools for deploying SOA



Business Centric Qualities of Service

Enterprise qualities of SOA:

- **Confidence** in business delivery
- **Flexibility** to pursue new opportunities
- **Protected** access to business functions and data
- **Control** of business processes
- **Compliance** with governance and audit requirements

The best platform for providing these qualities of service to the Enterprise continues to be the mainframe



SOA Entry Points in other sessions today

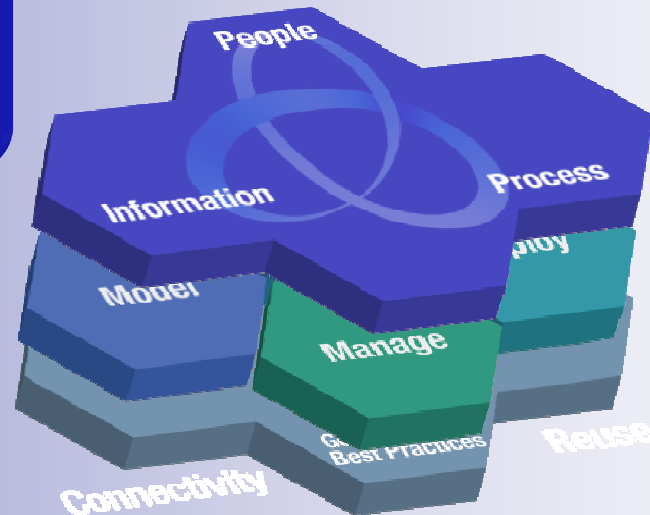
What's new in Information, People and Management

Information

Value: Improve business insight and reduce risk with trusted information services delivered in-line and in-context

People

Value: Improve people productivity & collaboration with views that deliver information and interaction in the context of a business process



SOA Management

Value: Improving control over SOA access and resources by integrating people, processes & information for IT Service

DataPower Appliances **NEW!**

Specialized to Simplify, help Secure and Accelerate SOA

XML Accelerator XA35

Wirespeed Appliance Purpose-Built for XML Acceleration



- XML Parsing
- XML Schema Validation
- XML Transformation
- Schema, Stylesheet caching
- MultiStep processing
- XML Path Language (XPath) Content Based Routing
- Extensible Stylesheet Language Transformation (XSLT)

XML Security Gateway XS40

Wirespeed Appliance Purpose-Built for SOA Security



All XA35 functions, plus:

- XML and SOAP Firewall
- Data Validation
- Field Level XML Security
- WS-Security
- XML Web Services Access Control
- Integration with 3rd party security providers
- Web Services Management
- Service Virtualization

Integration Appliance XI50

Wirespeed Appliance Purpose-Built for Application Integration



All XS40 functions, plus:

- DataGlue: Any-to-Any Transformation Engine
 - ▶ Binary or flat text → XML
 - ▶ XML → binary or flat text
 - ▶ Binary ↔ binary
 - ▶ XML ↔ XML
- Protocol Bridging (HTTP, MQ, FTP, etc)
- Message Enrichment, Message Augmentation



Business Partners on System z

A strong SOA ecosystem



"We have many customers engaged today in SOA Proof of Concepts. To meet the increased interest, we are expanding our SOA skills and offerings."

— *Joe Mertens,*
Executive Vice President



"AFS ... relies on zSeries hardware, WebSphere Application Server and DB2 to power the largest ASP for commercial lending in the US with over \$1.3 trillion in loans being processed per day. The zSeries platform also supports our development with multiple environments including Linux"



"Our move to the zOS world was boosted by the IBM ISV Partnership programs which allowed us to benefit from excellent IBM benchmarking centers such as Montpellier for zOS and the IIC-Paris for AIX."



"IBM is once again demonstrating its commitment to the System z platform, by delivering Software that enables a SOA and helps customers manage the underlying infrastructure. Vicom Infinity has made SOA our #1 priority"