

PROGRESS[®] RESPONSIVE BUSINESS INTEGRATION

SUPPORTING FASTER RESPONSE TO RAPID BUSINESS CHANGE

The pace of change is increasing exponentially, creating a widening gap between the needs of the business and the ability of IT to deliver new capabilities that enable business agility. The ability of decisionmakers to respond immediately to events, changing conditions, opportunities and customer actions is essential to maintaining a competitive edge.

Within enterprise architectures, the ability to change is paramount to successfully supporting the business. IT organizations face more pressure than ever to reconcile the needs of the business with the constraint of bringing structure to an increasingly chaotic IT environment.

This demands a more agile, flexible IT infrastructure that is responsive to business needs, streamlining the integration of services, process and data to enable change without impacting other applications or systems. And, it demands robust visibility and governance to ensure compliance with IT and security policies. In short, it must enable IT to respond faster to rapid business change.

RESPONSIVE BUSINESS INTEGRATION

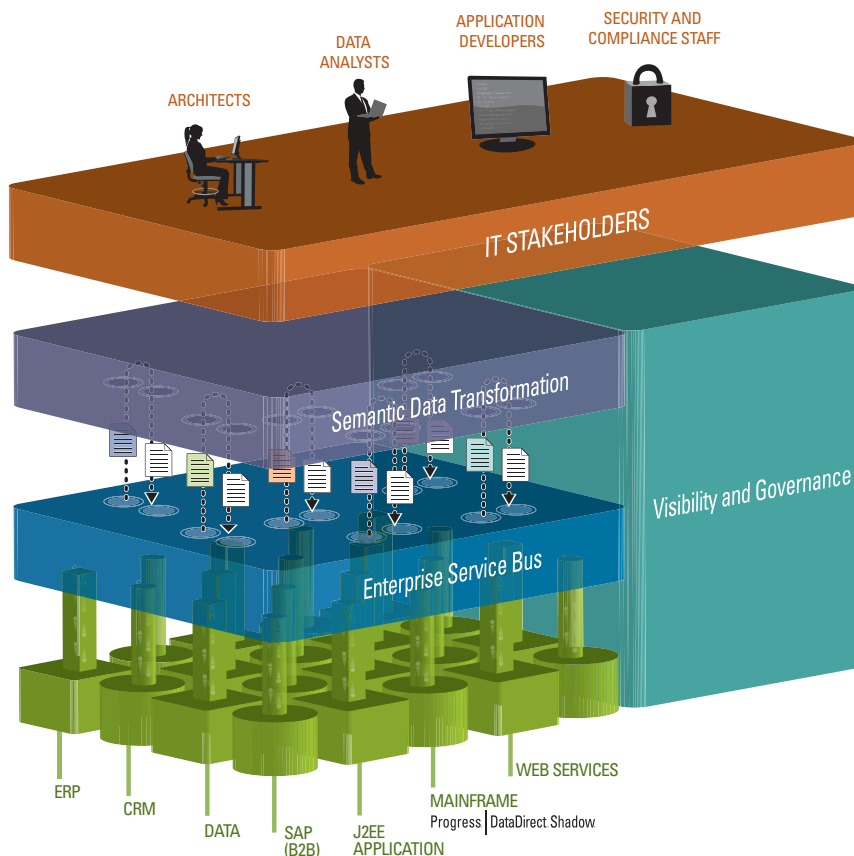
- > *Continuously available messaging architecture that ensures service delivery*
- > *Independent changes to services, data and policies with no impact on existing applications*
- > *Precise semantic data transformation coupled with industry data standard support*
- > *End-to-end visibility and governance to ensure compliance and avoid risks*

Yet, in today's fast-moving world, accelerating integration velocity can be a significant challenge. Original implementations of service-oriented architectures (SOA) and classic integration delivered results, but they only went so far, leaving data and policy still tightly-coupled.

In contrast, the next generation of integration infrastructure combines the agility and foundational interoperability of SOA with precise semantic data transformation and governance to evolve the way IT supports the business. It empowers business leaders with new capabilities while providing IT with controls to maintain systems integrity.

A MODULAR APPROACH TO IT INFRASTRUCTURE FLEXIBILITY

Progress Software helped to define integration with the development of the industry's first enterprise service bus (ESB), which established the foundation for SOA. Today, Progress continues to pioneer advanced solutions



PROGRESS RBI

Progress RBI is a comprehensive integration solution, encompassing best-of-breed, modular products that support faster response to business change without impacting existing applications or systems.

that help organizations become more operationally responsive with Progress® Responsive Business Integration (RBI).

Progress RBI is a comprehensive integration solution encompassing best-of-breed, modular products that support faster response to business change without impacting existing applications or systems. Progress RBI enables organizations to address the limitations of SOA with semantically consistent data and end-to-end visibility and governance, all with guaranteed, timely and continuous delivery of business services. Going beyond classic SOA, this enhanced agility enables organizations to dynamically design new business capabilities using an infrastructure that supports continuous change and provides integration integrity across distributed IT and federated SOA deployments.

All too often, when a company tackles integration, it focuses on only one dimension of the problem, one point of mediation. But the various aspects of integration infrastructure are all connected. The Progress RBI solution gives enterprises the tools to ensure all structural, behavioral, and performance-centric mediation points are optimized for IT adaptability, business responsiveness at the pace of change, and downstream operational success.

CONTINUOUSLY AVAILABLE ENTERPRISE SERVICE DELIVERY

For IT to effectively serve the needs of the business it has to have the flexibility to change and be able to manage that change across three dimensions—services, data and policy. Agile integration enables you to rapidly reuse or recombine critical business applications while maintaining precise data semantics and policy management.

The Progress RBI solution takes SOA to the next level. It offers the power and flexibility of an open, standards-based development model with unmatched, dynamic, multi-site operations management and deployment capabilities—backed by the industry’s only 100%-uptime messaging infrastructure.

The Progress RBI solution keeps pace with business change by connecting people, applications, and systems with the right information at the right time, any time. It employs the most reliable and scalable JMS-based

ENTERPRISE AGILITY

- > *Increase developer productivity and IT responsiveness*
- > *Flexibly adapt existing systems to new business requirements*
- > *Quickly integrate new applications into the existing IT environment*
- > *Eliminate rigid, hard-wired, point-to-point integration*
- > *Assure business continuity with high levels of reliability and availability*
- > *Reduce risk and upfront investment with incremental deployment*

enterprise service bus available today, quickly integrates any IT data resource and scales—without disruption—across multi-site, distributed environments.

Many of the world's largest organizations rely on Progress® Sonic® ESB and its intelligent, continuously available infrastructure to underpin their agility. No matter what level of SOA maturity your organization has achieved or what ESB it uses, Progress RBI can enhance and complement your application development with modular components that enable you to respond faster to change.

- > **A standards-based programming model**—leverages open development and integration standards to provide a development environment that requires minimal proprietary knowledge and developer training.
- > **Distributed operations management**—is ideal for multi-site, high-transaction environments, with its centralized installation, upgrades, and management reducing deployment time and onsite resource costs.
- > **Patented Dynamic Routing Architecture® (DRA)**—delivers unmatched, software-based fault tolerance and scalability ideal for multi-site, high-transaction environments.
- > **Continuous Availability Architecture (CAA)**—ensures messages are never lost and always delivered in order and measures failover in seconds, not minutes—without the need for costly RAID, OS-clustering software or third-party HA frameworks.

SEMANTIC DATA TRANSFORMATION

Information mismatch between operational systems creates delays and missed opportunities; it degrades the customer experience and increases costs as problems are addressed after the fact. Information is constantly evolving: it is evaluated in different contexts, and new relationships are uncovered.

Solving the data inconsistencies that plague SOA starts with collaboration between the business and IT, across lines of business, and with partners, to resolve differences of context, semantics and syntax that exists

when applications exchange operational data. As part of the Progress RBI solution, Progress® DataXtend® Semantic Integrator reduces the complexity of information exchange so enterprise organizations finally reap all the benefits of SOA. It allows enterprise developers to handle all data integration transformation, governance, and change management—the entire lifecycle—from a single interface.

- > **Lifecycle management**— enables you to manage, document and proactively model the impact of changes to data structures to evaluate how they will affect your production environment.
- > **Data governance enablement**— captures and manages all the integration metadata necessary to simplify upgrades and enhancements to a common data model.
- > **Reduced cost and complexity**— you need less time for initial development (up to 5-7x less) and can reduce the cost to manage the data integration (up-to- 8-10x reduction) by eliminating the need to code components for implementation in the runtime environment.
- > **Increased collaboration**—“live” documentation of the data mappings and the models provide transparency for developers, business analysts and architects working on the integrations.

DYNAMIC ENTERPRISE VISIBILITY AND GOVERNANCE

Customer patterns for using integration are evolving from small, knowledgeable teams toward more geographically dispersed teams.

The Progress RBI solution provides visibility and governance that delivers insight into how and where information is being shared or services are performing. With industry-leading SOA governance provided by Progress® Actional®, Progress RBI can automatically discover services wherever they exist and ensure they are in compliance with IT and security policies. SOA administrators can perform root-cause analysis and quickly find and solve problems before they impact the operational performance of business systems.

REAL-TIME VISIBILITY

- > *Ensure fast, reliable business transactions and SLA adherence through end-to-end visibility across distributed, heterogeneous systems and proactive alerting*
- > *Minimize downtime and business loss with fast root-cause analysis and issue resolution*
- > *Improve business outcomes with multi-dimensional runtime analytics and dynamic optimization controls*

- > **Quality and validation tools**—provide teams with diagnostics, functional and load testing and compliance validation.
- > **Root-cause analysis**—leverages patented Flow Mapping technology that automatically discovers services and maps interdependencies across heterogeneous data systems.
- > **Runtime policy authoring and alerting**—supports single or average transaction metrics and simple or complex policies; Creates flow maps when alerts are sent due to policy violation.
- > **Business insight and runtime controls**— are available in dashboards that monitor business metrics and provide multiple control mechanisms that modify transaction behavior for optimized outcomes.

WHY RESPONSIVE BUSINESS INTEGRATION

As ever-evolving business requirements demand equally fast IT responsiveness, the underlying integration architecture must evolve. Progress RBI provides accelerated and simplified quality assurance (QA), deployment and configuration with the ability to make administrative changes across geographically distributed, organizationally federated and technically heterogeneous environments. It takes enterprise integration and SOA to a new level, with a policy-driven, real-time platform that enables faster creation, reuse and agility of innovative services and processes. It provides greater visibility and manageability-at-scale across distributed and federated IT deployments; and delivers the highest levels of operational performance and reliability.

Progress RBI provides a strategic advantage for any business or organization that employs its ability to combine integration agility with information transparency and operational insight to improve responsiveness and keep pace with the change of business.

Progress RBI—Supporting Faster Response to Rapid Business Change

PROGRESS SOFTWARE

Progress Software Corporation (NASDAQ: PRGS) is a global software company that enables enterprises to be operationally responsive to changing conditions and customer interactions as they occur. Our goal is to enable our customers to capitalize on new opportunities, drive greater efficiencies, and reduce risk. Progress offers a comprehensive portfolio of best-in-class infrastructure software spanning event-driven visibility and real-time response, open integration, data access and integration, and application development and management—all supporting on-premises and SaaS/cloud deployments. Progress maximizes the benefits of operational responsiveness while minimizing IT complexity and total cost of ownership.

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