



IBM Legacy Transformation Services

Highlights

- ***Addresses legacy-related challenges with comprehensive services from a single source***
- ***Helps reduce IT environment complexity and costs through consolidation and migration***
- ***Helps increase data consistency and availability through application integration***
- ***Optimizes supply chain collaboration by Web-enabling access to cross-platform data***
- ***Helps improve process flexibility by supporting legacy application renovation***
- ***Mitigates risks by leveraging global legacy transformation engagement experience***

Optimizing legacy applications for increased efficiency and reduced costs

Legacy applications continue to drive day-to-day business processes in many companies. Yet while they may be key to operations, legacy applications also create maintenance and integration-related challenges that can devour employee time and shrinking information technology (IT) budgets, as well as stifle new technology-based initiatives. The challenges range from an inability to share enterprisewide cross-legacy data, to difficulty linking legacy applications to Web technologies, to obstacles associated with adapting inflexible legacy applications for rapid business change. The pool of legacy programming skills will continue to shrink as experienced professionals retire. Combined, these factors have forced IT departments to sacrifice an inordinate amount of funds to maintenance activities. Businesses need ways to adapt legacy

applications to meet their changing needs while reducing the financial resources and time it takes to support them, so valuable funds can be reallocated to more strategic projects.

IBM Legacy Transformation Services can help your company reduce the cost and unlock the business value of legacy applications. We provide a range of offerings that are designed to address common legacy-related challenges and costs while helping to incrementally position your IT environment for new initiatives such as e-business on demand™. Used individually or together, these offerings are focused on simultaneously improving the utility of “workhorse” legacy applications while allowing the reallocation of maintenance dollars for evolving business priorities.

Meeting legacy-related challenges with the help of a single vendor

Every organization faces a different set of business and technical challenges with respect to its legacy portfolio. Our world-class business and IT consulting experts can work closely with your company to evaluate your legacy portfolio and help you identify the areas most likely to benefit from IBM Legacy Transformation Services. The people of IBM Global Services also work with your team to establish return on investment (ROI)-related goals for producing real business value. For example, if your objective is to reallocate funds to forward-looking IT initiatives, we can help you better anticipate the savings potential of transformation projects.

We offer a suite of related services that address specific legacy-related pain points, including:

- *Consolidation and migration*
- *Application integration*
- *Web enablement*
- *Application renovation*

Rather than undertaking an expensive and complex replacement of the legacy environment, you can select only the services you need to put transformation plans into action. You can also rely on IBM to bring together virtually every element of the solution.

Consolidating and migrating legacy applications for reduced complexity

Over the years, factors such as rapid business growth and evolving technology have led to a set of overlapping yet disparate applications that run on various technologies and platforms and are challenging to integrate. Consequently, it has become increasingly difficult to modify business processes and to access critical data. Maintaining these systems can also be expensive because they often require highly skilled support personnel, who can be difficult to find.

IBM Legacy Transformation Services uses best-of-breed skills, tools and methodologies to help your company reduce legacy application complexity and costs. Our experienced professionals can consolidate and migrate data onto fewer databases and database versions. We can also assist you with restructuring and updating code from outdated to recent versions or languages, helping to eliminate duplicate functions and improve application performance and availability. The process includes documenting code, which helps to increase understandability and reduce training costs.

Overall, the consolidation and migration service is designed to assist you with laying a foundation for modernizing your applications. The

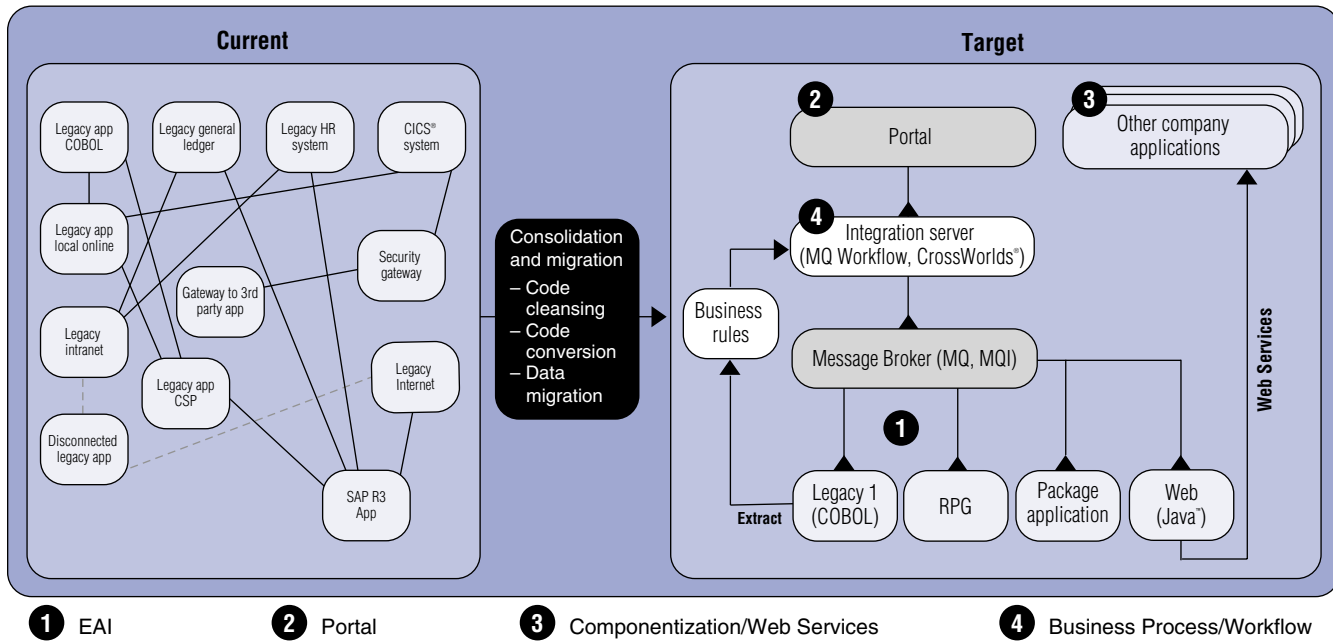
service helps increase the accuracy and stability of corporate data. By increasing the accessibility to and manageability of data, you can more easily align your application portfolio with business objectives and allow your IT staff to focus on the next business-critical task.

Integrating applications for improved data consistency and availability

In many companies, mergers and acquisitions have led to application redundancies or overlap. The rapid adoption of e-commerce capabilities using hastily developed and poorly designed connections between front- and back-end systems has also decreased data consistency and data availability.

IBM uses industry-leading application integration methodologies to help you coordinate data among multiple applications to achieve near-realtime, enterprisewide access to critical business data. Our approach utilizes a hub-and-spoke architecture, portlets for rapidly aggregating applications and data, message queuing to improve reliable data distribution, and midtier applications to leverage legacy functions. Our industry-specific consulting approaches can also help you leverage integration technologies to enhance your existing applications' supply-chain and collaboration capabilities.

Legacy Transformation Services and Components



By helping you optimize existing investments, the application integration service can provide near-term business benefits. And the service can not only help improve business process management and strategic decision-making capabilities with the help of more accurate data, it can also enhance data sharing and collaboration among employees, business partners and suppliers.

Web-enabling applications for increased collaboration and savings

For most companies, Web-enabling legacy applications that provide business-critical functionality and data has become a competitive necessity. However, the costs and technical challenges of porting existing applications to the Web has

delayed many of these projects, which, in turn, hampers collaboration and data exchange with partners, suppliers and customers.

We can help you more efficiently and cost-effectively implement B2B initiatives by Web-enabling your key legacy applications to support virtually seamless access to cross-platform data and business logic. The Web enablement service uses portlets to help your company modernize legacy application interfaces and midtier applications to leverage legacy functions. It can also help you segregate business logic from legacy presentation to facilitate access through a variety of media, including the Web and wireless devices.

The increased flexibility and usability of Web-enabled legacy applications can help your company optimize business relationships, in addition to improving internal collaboration across the enterprise. Web enablement also helps drive ROI by cost-effectively addressing common business challenges. You can benefit from savings engendered by solutions with customer self-service interfaces, which can reduce support costs, and with common browser-based applications, which can reduce employee training costs.

Renovating applications for enhanced business process flexibility

After sustaining years of general maintenance and patches, many important legacy applications have

become difficult and risky to modify. Yet given today's business climate and competitive pressures, unlocking the business logic from these applications is essential to staying competitive and maintaining reliability and flexibility in the IT environment.

The application renovation service can help you transform legacy applications into enterprise components that can be reused as valuable business assets by untangling the relationships between business logic and application functions and by documenting, extracting and providing a way to centrally manage business rules and logic. The transformation is performed with the help of a service oriented architecture (SOA) framework, which IBM uses to separate business processes from legacy code and to encapsulate them so that their functions are accessible through various means, including Web services. The architecture also includes a business activity workflow for improving process flexibility.

With the help of the application renovation service, you can restructure individual application components over time and more easily recombine them to solve new business challenges. In addition to liberating business logic from legacy applications, application renovation can increase application development responsiveness to business needs, and can help you to more dynamically adapt to—and take advantage of—new market opportunities.

Relying on the experience of a global team

At IBM, we have successfully transformed the legacy systems of companies in a broad range of industries worldwide, as well as numerous legacy systems of our own, so we appreciate the costs and challenges inherent in such transformations.

Through our combination of e-business knowledge and technologies, virtually unparalleled commitment to research and development, and our engagement experience with some of the world's most technologically advanced companies, we have the tools to help bring your portfolio into the next generation of IT. Whether your IT infrastructure consists of local, regional or global components, the people of IBM Global Services can work with you to understand your unique needs and then combine our experience and end-to-end capabilities to assist you in streamlining IT systems and reducing costs.

For more information

To learn more about IBM Global Services, contact your IBM sales representative, or visit:

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