

Solution Brief: Modernizing your Legacy Systems



Fujitsu Consulting has an end-to-end solution for CEO's, CFO's and CIO's whose legacy systems are costly and unable to respond to changing business demands. It starts with a complete analysis of the existing environment and leads to a detailed architectural assessment and thorough migration roadmap.

This solution is fully supported by a solid financial justification and can typically yield an investment payback within 18 months.

Making the Most of your Corporate Assets

Keeping up with technology is a challenge most businesses face. Since maintaining leading-edge systems can be prohibitively expensive, many CIOs try to extend the working lives of their older systems, which, although no longer at the forefront of technology, still form the core of many businesses.

Legacy applications, mainframe systems and other mature information technology platforms represent many thousands of staff years invested in business expertise, process refinement and engineering improvement. These systems are stable and mature but, for many reasons, may be nearing the end of their lifecycles:

- Hardware may be obsolete and no longer supported by vendors
- They are likely expensive to operate and maintain
- There may be too few programmers with the skills needed to develop new applications or make changes to existing applications
- They may be too inflexible to support change
- They may have limited ability to support new features

Embracing Change

Given today's tight budgets, CIOs must contain and lower costs while identifying low-risk opportunities to extend and transform their core business systems.

If the time is right, cost-effective options such as re-hosting or reengineering may be prescribed for modernizing your legacy systems.

Overcoming The Fear Factor

Legacy systems are problematic. These systems are typically running mission-critical applications so CIOs cannot afford any risk of failure; on the other hand, the complexity and inflexibility of these systems is making them less agile. Since their underlying technologies are often difficult to upgrade or scale, these core IT systems often fail to meet ever-changing business needs. Doing nothing is not necessarily the best option.

Proven Framework

Fujitsu offers a framework that can help you deal effectively with the common modernization drivers:

- **Technological Obsolescence:** A vendor has dropped support for key technologies; new applications are not readily available for your legacy platforms
- **Cost:** You are facing demands for better financial performance, increased return on assets or cost-cutting
- **Consolidation:** Mergers, acquisitions and reorganizations have created a sprawl of disparate legacy systems
- **New Organizational Model:** You are de-centralizing your IT infrastructure, for example
- **External Pressures:** Regulatory compliance or competitive pressures may be forcing the introduction of technologies not supported by your current IT environment

Multi-phased Approach

Fujitsu's multi-phased approach can help you move forward with confidence and accelerate the modernization process. The phases include:

Assessment

This is the discovery phase that helps us understand your business and your objectives. We conduct a roadmap workshop that identifies the fundamental problems facing your organization and the changes you wish to implement. Together, we select the Legacy Modernization approach that best meets your needs. Options include:

- **Re-host:** Move your legacy applications from mainframes to servers, maintaining your legacy code and business logic. One of our solutions allows clients to quickly migrate applications from mainframe platforms to a Windows .NET environment using our NeoKicks™ and NeoBatch™ products.
- **Re-engineer:** Re-architect your legacy applications and data to run in a new, distributed environment. Our solutions include using Kaname, our industry-leading SOA modeling technique that helps clients quickly model their business functions and define a business service model; and other Fujitsu frameworks that provide time- and cost-effective re-engineering alternatives.
- **Replace:** Replace your legacy application or data with a new custom developed, fully functioned application or data repository.

These options will provide the functionality, capacity and flexibility you need and our Rapid Assessment will guide you in determining the most optimal approach that aligns with your business goals and budget constraints.

Pilot

Our consultants work with you to design, develop, deploy and support a manageable pilot project that will demonstrate the value of the selected approach. Deliverables include an application architecture and assessments of the code, data and portfolio. We conduct a capabilities demonstration, document success criteria and lessons learned, and then make recommendations for the full modernization approach.

Modernization

We help you modernize your legacy system using the selected modernization option. We also offer customized modernization solutions including data migration and IT Service Management (ITSM) Optimization, using IT Infrastructure Library (ITIL) best practices.

Test

Using our own Quality Assurance Testing service we thoroughly test the modernized platform to ensure consistent functionality and performance with the existing system.

About Fujitsu Consulting

A trusted provider of management and technology consulting to business and government, Fujitsu Consulting is the North American consulting and services arm of the \$40.6 billion Fujitsu group. Fujitsu Consulting integrates the core expertise of the Fujitsu companies and its partners to deliver complete business solutions in the areas of IT governance, information management, legacy systems modernization, application outsourcing and business process outsourcing. Through its full range of consulting, implementation and IT management services and its industry-recognized strategic approach, MacroScope®, Fujitsu Consulting enables clients to build more value into their IT investments and drive their leadership in the marketplace.

We work with you to create solutions and produce results that drive your business.

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