



# IBM Mainframe Modernization

*From cost reduction to increasing business agility, Speedware has a variety technology solutions and professional services to make your modernization project a success.*

## Why Modernize the Mainframe?

The mainframe has served the business community for decades and is known for its performance, reliability and security - benefits that can now be found on other systems. With the mainframe's rising cost, corporations want modernization solutions that preserve the investment in their business-critical mainframe applications.

Whether your company wants to eliminate the mainframe or simply reduce, control or cap your mainframe environments, the following are benefits commonly realized.

- **Reduce costs** — Mainframe hardware and software costs can consume a large portion of IT budgets. Modernization solutions that include off-loading applications or re-hosting can reduce operational costs and liberate funds for innovative projects aimed at improving the business.
- **Increase agility** — The information stored on your mainframe is a valuable business asset. As companies generate more and more data, it becomes critical to access this information so they can become agile and respond quickly to new business requirements.
- **Reduce skill set shortage** — COBOL is the language of the mainframe and good COBOL programmers are becoming increasingly difficult to find. Many companies are facing the real dilemma of how to manage their mainframe environments as their best administrators and programmers begin to retire. As the shortage of experienced programmers becomes worse, the cost of these resources will continue to rise.

## Yes, you can modernize the mainframe

Finding the right modernization strategy for your mainframe applications and data can be confusing and risky, but Speedware can help you make the right decision. With proven migration and modernization tools and over 15 years of modernization experience, we can design a

solution that will reduce costs, increase flexibility and position your information platform for the future.

Speedware also knows that there is no one-size-fits-all solution for mainframe modernization. Whether your environment includes COBOL, Assembler, CICS, JCL, IMS, Natural or other legacy products, we can customize a solution that can save money and increase agility without compromising performance, reliability or security.

## Step-by-step modernization planning

Before you begin a mainframe modernization project, we recommend taking a step-by-step approach, so you can create a clear framework for making the right decisions. For the best possible outcome, you need to understand your current environment, evaluate your options and choose your targets.

### Understand:

- Analyze current applications and architecture.
- Assess current costs.
- Define business and technical drivers for modernization.
- Understand business strategy and priorities.

### Evaluate:

- Evaluate migration platform choices - hardware and software.
- Assess business and technical scenarios for each choice.
- Calculate ROI.

### Choose:

- Identify the target solution and vendor.
- Review vendor track record and references.
- Finalize vendor contracts.
- Develop a detailed plan.

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## Lower costs and move to new technologies

Mainframe modernization results in reducing costs and increasing business agility

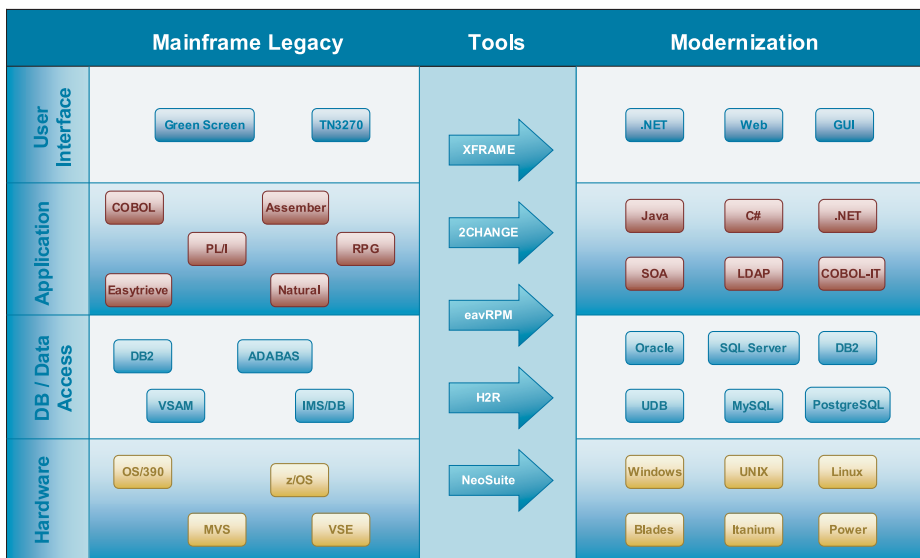
- MIPS reduction: partial migration or off-loading predetermined workloads to modern platforms
- Rehosting: migration to open systems such as Unix, Linux or Microsoft Windows with little source code modification.
- SOA enablement: extending legacy applications to service-oriented architectures
- GUI and web enablement: modernizing green screens and introducing web-based interfaces

## Making the transition easier

Speedware helps you define the optimal modernization solution with the help of the following modernization processes:

- **Complimentary modernization assessments** — provides modernization planning, preliminary recommendations, options, costing and advice.
- **Detailed modernization analysis** — An in-depth analysis providing roadmap, project plan, resource allocation and complete budget, including fixed costs.
- **Cost rationalization** — A service providing the financial figures needed to assess the viability of your project before it is started. It includes an estimate of the cost of the project, the projected savings and the ROI that can be achieved by modernizing your mainframe.
- **Turn-key solution** — a comprehensive, end-to-end modernization model that includes activities such as code and data migration, integration, tuning, unit testing and deployment support. Retrofits, release management, documentation and other delivery support activities are also included.

Sample of Mainframe Modernization



## About Speedware

Speedware has been dedicated to helping companies modernize their business applications for over 15 years and enjoys a 100% project success rate. The company specializes in developing end-to-end modernization solutions that allow industry and government leaders to increase their business agility and reduce their operational costs. Speedware has been a leading provider of enterprise software solutions since 1976, offering a complete suite of legacy modernization, migration and application portfolio management solutions, business intelligence tools and application development solutions.

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