

Micro Focus 'Lift and Shift'

Migrating IBM Mainframe Applications to Windows

Through our world-class partners, Micro Focus 'Lift and Shift' offers businesses the most reliable modernization strategy to unlock the value of their legacy systems.

executive summary

Unlocking Legacy Value

While the economy shows signs of long-term improvement, market conditions continue to put pressure on organization's costs. At the same time businesses are seeking to deliver more value per application dollar.

To dramatically lower costs and drive business agility at lower risk, three conditions now make it possible to migrate mainframe applications to Windows® and .NET platform.

- The Intel multi-microprocessor architecture delivering higher processing power at much lower cost
- The availability of an alternative lower cost, industrial-strength software platform provided by Microsoft Windows and .NET
- The extension of the Windows platform to support mainframe COBOL and CICS applications with Micro Focus Enterprise Server

Modernization Strategies

Organizations seeking to modernize their legacy systems now have three options:

Re-engineering or 'Rip and Replace'. Once in vogue, now much out of favor with most organizations due to the time, cost and risk involved. 74% of such projects either fail completely, or are significantly late and over budget.¹ This is an extremely high-risk strategy.

Packaged Applications. Offer a generic alternative, forcing organizations to do business in the manner dictated by the package's functionality. Often this means losing workflow that is fundamental to the way a business operates and involves complex data re-modeling and re-training. 42% of implementations are never completed or are more than 50% late.² This is a high-risk approach.

'Lift and Shift'. Offers a migration methodology that dramatically reduces hardware and software costs by enabling low risk migration of COBOL/CICS applications to modern, open and extensible platforms. Micro Focus recently announced Enterprise Server, a transactional environment for COBOL applications. Micro Focus now announces the Mainframe Transaction Option (MTO) for Enterprise Server to enable the support for COBOL/CICS applications on Windows.

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Businesses running legacy applications on IBM mainframes should consider 'Lift and Shift' as the cornerstone of significantly lower TCO for both individual applications and complete systems. Through our SI partners, enterprises can exploit the COBOL/CICS capabilities of Enterprise Server to minimize risk while delivering the agility offered by moving to an open platform, free of restrictive and expensive mainframe infrastructure, and where the application can be extended freely using contemporary technologies.

Migration Drivers

In your organization, there are both business and technical drivers, which require consideration when evaluating the merits of any COBOL or COBOL/CICS migration project. These may include:

- Reducing overall annual hardware and software expenditure
- Entering a new market or integrating self-service capabilities by exploiting the Internet
- Minimizing disruption to business continuity by mitigating risks associated with running unsupported hardware or software
- A consolidation initiative around a single target platform (e.g. Windows and .NET)
- Delivering systems that can be adapted rapidly to exploit new opportunities

Look for the following triggers in your organization which typically drive migration evaluations:

- Impending new expenditures
 - Hardware contract lease or renewal expires in the next 12-18 months
 - A mainframe upgrade or addition is being considered for the next fiscal year
 - Increase in an already significant annual software or hardware maintenance fee
- IT assessments
 - Lack of contemporary technology or costs of such technology on mainframe prohibiting IT flexibility
 - More MIPS are required or current system throughput will be compromised
 - Costs and time to integrate diverse systems on mainframe are prohibitive
- External influences
 - Withdrawal of vendor support for machine or environment
 - Capacity problems due to growth or merger/acquisition
 - Industry measures (e.g. cost per business transaction) above the norm

With respect to costs, customers are realizing hardware and software savings up to 80% in some cases – a dramatic reduction.

Micro Focus *'Lift and Shift'* results in applications that are:

- Lower cost (TCO of hardware and software is reduced)
- More open and maintainable
- Agile and adaptable
- Extensible to the Internet, SQL/ADO.Net, XML and Web services
- Fully exploited through continued re-use

Summary

Through the network of Micro Focus SI migration partners, and a combination of the Intel hardware platform, Microsoft Server technology and the Micro Focus Enterprise Server deployment platform, *'Lift and Shift'* offers a low risk strategy to accelerate your migration process, resulting in significantly lower TCO and a more agile application infrastructure.

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¹ Source: Standish Group.

² Source: Gartner.