

Micro Focus™ Enterprise Solutions

Mainframe Modernization and AWS Cloud

The rate of business change, delivered as customer innovation, accelerates all the time. It is driving enterprises toward IT modernization with cloud.

Mainframe organizations understand the need to modernize, but depend on their core IT to run essential business services and apps—and IT leaders recognize the challenge of unraveling decades-old complexity to access that value.

Organizations can accelerate their digital transformation journeys by reusing their unique host applications and data. These have been enhanced repeatedly in the context of fresh innovation. In other words, there's no need to replace or rewrite these applications—you can achieve transformation through continuous modernization.

Mainframe systems underpin many successful organizations and can support whatever digital strategy meets their unique organizational goals—including application, process, and infrastructure modernization.

The mainframe—underpinning digital transformation and the move to cloud.

Strategic business decisions are not taken lightly, so we have created a three-stage sanity check. This enables any enterprise to assess the scope of their digital transformation needs, and transform their core IT systems to support a new modernization strategy for the cloud. A pragmatic, low-cost, low-risk transformation model.



The Application

Application modernization is fueled by customers demanding an innovative, multi-functional user experience. That new capability also requires core mainframe processes and secure transactions to change. Using collaborative development technology, containerization, API models, managed code, and service-based architectures, IT teams can create a hybrid best-of-breed model that delivers new capabilities needed to meet new requirements, enable business integration, and new end-user experiences.



The Process

Application delivery is driven by what your customers need, and when they want it. Mainframe teams living in the TSO/ISPF and waterfall world of application delivery take longer to build their class-leading systems of record than the distributed, web-scale, and Agile teams. But with the operational and technological changes associated with DevOps, the mainframe community can deliver at faster speed than digital business now requires.



The Infrastructure

Because users now consume your apps from anywhere, many organizations are looking for flexible deployment options to deliver their applications as cloud-based services. Mainframe shops now use a variety of platforms including Windows and Linux. And moving workloads to public, private, and hybrid cloud infrastructures is increasing. Mainframe applications deployed to AWS Cloud can support an always-on, available-everywhere digital ecosystem to deliver your flexible business services.

What would that mean to you?

Mainframe organizations view transformation differently. They demand resilience and successful outcomes. Modernization criteria must include a range of elements:

- Deliver the performance and transaction throughput required by the business.
- Meet Reliability, Availability and Serviceability (RAS) expectations.
- Integrate with security infrastructure for enterprise application and system-level security.
- Access mainframe transactions and data that must remain on the mainframe or be deployed to AWS Cloud.
- Provide a flexible architecture that enables IT to respond rapidly to new business demands.

How will OpenText mainframe modernization help me?

- **Experience:** We have delivered 1,000+ platform modernization projects in recent years.
- **Keep what works:** Run core COBOL and PL/I applications in a native or managed code environment, and across all major supported platforms.
- **Be supported:** Works for all core applications and major data stores. Take your database variants into cloud or virtual environments.
- **Stay current:** Rest assured with certification of virtualized and cloud environments including AWS Cloud and Docker containers.
- **Accelerate innovation:** Bring your new functionality to customers seven times faster.
- **Reduce and improve:** Customers can expect 50%–90% reduction in IT operations costs and a performance improvement of up to 50% for batch and online transactions.

[Learn more about Mainframe Moderation with OpenText and AWS](#)

Key Benefits

The mainframe may remain the application value delivery engine, but needs to offer flexible workload availability to create a fit-for-purpose model. Achieve that flexibility and avoid unnecessary reinvestment by reusing trusted, core mainframe applications on distributed, virtual or cloud platforms. Specific business gains include:

- Meet the regulatory compliance demand to keep customer data within a country.
- Use powerful, scalable, and responsive cloud processing engines to reduce annual operating costs by up to 90% and shrink batch cycle times.
- Contain and manage z/OS MIPS usage targets by redistributing suitable application workloads.
- Accelerate new systems delivery in new geographies by replicating trusted systems elsewhere.
- Delay or avoid upgrades required to add processing capacity and to reduce MLC.
- Duplicate discrete functions, like pricing quotes, to better service new market requirements.
- Provide continuous service during scheduled mainframe downtime.
- Bring disaster recovery implementations in-house instead of using a costly outsourcing service.
- Deliver equivalent Quality of Service (QoS) levels at reduced cost in the cloud.

“We have chosen Micro Focus as a key partner enabling our new AWS Mainframe Modernization service because of their proven track record through a combination of successfully delivering thousands of modernization projects over four decades.”

Bill Platt

General Manager for Migration Services at AWS



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Ready for your mainframe transformation?

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Case Studies



Industry:
Insurance

Location:
Belgium

Challenge:

Meet new digital market opportunities by moving business-critical systems from a mainframe environment to achieve integration and efficiency benefits.

Solution:

Supported by Micro Focus™ mainframe modernization technology, AG moved 80 million lines of code, 60,000 daily batch operations, and 14 million daily transactions off of their mainframe. Doing this delivers an annual operation cost savings of over 75 percent compared with the ongoing—and rising—cost of the mainframe. Full ROI is expected within four to five years.

Results:

- + 75% operational cost savings and 4- to 5-year ROI.
- + Faster time to market with new customer offerings.
- + Continued leverage of strategic COBOL assets with clear onward modernization goals.
- + Open environment enables data-driven strategies.
- + Effective collaboration between infrastructure and development teams.



Industry:
Retail

Location:
Australia

Challenge:

Adapting technology environment to respond to rapidly changing business requirements while safeguarding business continuity.

Solution:

The combined partnership of OpenText, Infosys, and AWS delivered a powerful mainframe migration solution for Kmart Australia, enabling them to achieve over \$4 million savings. It also turned Kmart into a technology-enabled business, ready to grow and take on new routes to market and business models, while delivering the best products at the best price to its customers.

Results:

- + Increased flexibility and scalability through AWS deployment
- + Faster development and more modern skills
- + Advanced data analytics with a single source of truth
- + \$4 million annual operational cost savings
- + Innovation-enabled business models and new routes to market