

## Bring Your Mainframe Assets Into the Digital Age

NTT DATA Mainframe Application Re-hosting featuring UniKix

For decades, mainframe applications and architectures have worked behind the scenes, driving business and the economy. Not only do these integral applications help companies across industries process benefits, but they also help deliver customer service and support, manage supply chains and more. Much more. Despite playing such significant roles in today's business world, mainframe applications struggle to deliver what organizations need — flexibility, scalability, reduced operating costs and a more competitive edge in the marketplace. Plus, the hard and soft maintenance costs can be cost-prohibitive, tying up budgets and resources and preventing businesses from gaining that much-needed competitive advantage. That's where NTT DATA comes in.

NTT DATA Mainframe Application Re-hosting featuring UniKix, our mainframe re-hosting software suite, quickly migrates business-critical mainframe applications to a virtualized data center or public cloud platform.

We help companies simplify the re-hosting process, backed by our long-term partnerships with leading cloud providers Amazon Web Services, Microsoft Azure and Google Cloud. By preserving your organization's existing business logic, data and user interface investments, our solution safely extends the benefits of industry-standard platforms to IBM® CICS® transactions, IBM IMS® applications, and other legacy infrastructure and data structure assets.

You can achieve a lower total cost of ownership (TCO) while adapting to business needs and paving the way for upcoming needs with a flexible and scalable IT infrastructure that includes cloud computing, mobility and virtualization.

Get the most from your mainframe migration with end-to-end, streamlined application modernization at a fraction of the cost of traditional TCO, saving you up to 30%–70% a year.

# Benefits:

- **Lower total cost of ownership.** Reduce annual TCO 30%–70% by eliminating expensive software licensing fees and proprietary hardware maintenance costs.
- **Gain cloud preparedness.** Access a native, mainframe-compatible batch and online environment compatible with all public cloud platforms.
- **Minimize risks.** Keep applications intact, enjoy minimal disruption, and eliminate the need to retrain end users and modify presentation interfaces.
- **Access a larger pool of skilled administrators.** Leverage the knowledge of a large user base for ubiquitous tools like those from Microsoft and Red Hat to reduce development costs and accelerate responses to rapid business changes.
- **Enhance security.** Enjoy comprehensive administration and security features, including the option to preserve batch job control language (JCL), jobs and procedures investments.
- **Improve and evolve legacy assets.** Be better prepared for upcoming modernization initiatives, such as service-oriented architecture integration, user-interface transformation and process management improvements.
- **Fund future transformation.** Use significant savings from mainframe application re-hosting to transform legacy COBOL-based assets to C# and Java.

## Simplify to support new demands and growing workloads

Our solution migrates mainframe workloads rapidly and cost-effectively with little, if any, disruption to your business. And because minimal changes are required, it's easy for development resources to adapt to the new environment. Users often require no additional training when using a re-hosted solution.

## A to Z mainframe application re-hosting software

For 30 years, NTT DATA has delivered a scalable and stable environment for re-hosting mainframe workloads. UniKix preserves application investments, extends the benefits of distributed platforms (including the cloud) and better prepares your business for the future. In short, UniKix helps digitally transform your organization.

With UniKix, you can run mission-critical online and batch workloads on low-cost hardware and software infrastructure environments, which reduces TCO and generates substantial savings. In fact, many organizations see a 60%–70% savings. And, of course, a safer path forward for IT assets.

## Software and features:

**UniKix Transaction Processing Environment (TPE)** delivers a robust execution environment for business applications, managing resources such as programs, files, queues, transactions, screens and terminals. UniKix TPE directly supports IBM CICS transactions and IBM IMS online applications.

**UniKix Batch Processing Environment (BPE)** provides a complete job entry subsystem (JES) environment for the administration, execution and management of batch workloads on highly virtualized servers. UniKix BPE directly supports IBM JES® transactions and IBM IMS batch applications.

**UniKix Transaction Security Facility (TSF)** provides the administration and runtime services of an external security manager (ESM), delivering the detailed security protection businesses require for online applications that play an integral role in daily operations.

**UniKix Manager** provides an easy-to-use graphical interface that delivers centralized, real-time information for determining system status, processing rates, potential bottlenecks and configuration enhancements that aid in ensuring performance levels and user response times. UniKix Manager also provides SNMP integration to popular network and systems management frameworks, including those available from public cloud providers.

**Migration programs and JCL** quickly moves the same COBOL, JCL and batch applications that have served business for years to a distributed environment with minimal code changes. Applications written in C, C++ and Java can also be executed in the UniKix environment.

**Our migration software** easily transfers structured data in VSAM and sequential files to a distributed platform.

## Expert support at every step of your modernization journey

Our application modernization experts have completed hundreds of mainframe migration projects. They start by working closely with your organization's key stakeholders to review IT objectives and develop a flexible and detailed mainframe migration plan that spans the entire lifecycle.

Before migration, our project management team conducts baseline preparation, regression and performance testing, application discrepancy correction and production readiness assessments. This helps you better understand your organization's existing infrastructures, staff skillsets, processes, standards and procedures.

We then architect the fastest path to the cloud, establish modern application development and management capabilities, and reduce technical debt to free up your budget to fund transformational initiatives. We also carefully consider mainframe applications that interface with supporting environments, including those maintaining established standards and procedures. Our post-migration lifecycle services help ensure you continue to get the most from your mainframe migration.

NTT DATA Mainframe Application Re-hosting featuring UniKix is an end-to-end solution that will take your mainframe applications into the digital age. [Visit our website](#) to learn more and contact an expert to start your journey today.



Visit [nttdataservices.com](https://nttdataservices.com) to learn more.

NTT DATA Services is a recognized leader in IT and business services headquartered in Texas. A global division of NTT DATA — a part of NTT Group — we use consulting and deep industry expertise to help clients accelerate and sustain value throughout their digital journeys.

**NTT DATA**  
Trusted Global Innovator