

# Simplify Mainframe Migration and Accelerate Your Savings

UniKix™ Mainframe Re-hosting Software Suite by NTT DATA

## Benefits:

- Significantly lowers annual IT operational costs
- Reduces migration risk, time and complexity
- Simplifies IT environments to accommodate growing workloads and new demands
- Provides a native, mainframe-compatible processing environment on open systems
- Delivers a proven platform for evolving technologies such as cloud computing, mobility and virtualization

## Run business-critical mainframe workloads on industry-standard systems

With UniKix Mainframe Re-hosting by NTT DATA, you can run mission-critical online and batch workloads on cost-effective industry standard systems. For many organizations, re-hosting cuts annual operating costs by 30 – 70% and provides a safe path forward for IT assets.

Our Mainframe Re-hosting software also preserves existing application investments and extends the benefits of distributed platforms to migrated IBM® CICS® transactions, IBM IMS™ applications, IDMS, Natural Adabas and other assets. This allows your business to handle new requirements such as cloud computing, mobility and virtualization.

Based on over 20 years of production experience worldwide, Mainframe Re-hosting offers a solid foundation to meet changing business needs and extend the life of mission-critical legacy workloads. Our software preserves the valuable business logic and end-user interfaces developed over the years, and provides an integrated environment to extend these assets with new Java Enterprise Edition, service-oriented architecture and web services.

NTT DATA's offering was one of the most price competitive we came across, but that wasn't the only reason we found it compelling: we also received more features and a high quality solution.

Luciano Manini  
Chief Technology Officer  
Miroglio Group

# UniKix Mainframe Re-hosting by NTT DATA

Free up capacity, avoid unnecessary upgrades and lower total cost of ownership by re-hosting complete mainframe environments to industry standard systems or offloading portions of your organization's legacy processing requirements.

Unlike re-engineering or commercial off-the-shelf alternatives, application logic and data remains largely intact with Mainframe Re-hosting. Our approach enables rapid and cost-effective migration with minimal business disruption. And since re-hosting minimizes change, your development resources will easily adapt to the new environment and end-users may not even require retraining.

## Renew valuable legacy assets

Our Mainframe Re-hosting software can move a large number of application languages and utilities to industry-standard systems, while keeping valuable business logic intact. This allows your organization to gain immediate reuse advantages.

Our software supports distributed COBOL platforms such as NTT DATA Enterprise COBOL and Micro Focus COBOL. It can also execute applications written in the C language, C#, Natural and Java.

Mainframe Re-hosting supports mainframe VSAM file types, as well as popular relational databases, including IBM DB2® LUW, Microsoft SQL Server, Oracle® database and Sybase. It uses XA-compliant architecture to control and synchronize all relational database and VSAM file interactions, providing the environment you need to migrate valuable legacy assets to industry standard systems.

## Core UniKix Mainframe Re-hosting Software Suite Components

Software	Description
NTT DATA Transaction Processing Environment (TPE)	<p>Native, high-performance transaction processing environment that enables rapid migration of mainframe application and data investments, without excessive cost or risk</p> <p>Highlights</p> <ul style="list-style-type: none"><li>• Runs re-hosted IBM CICS transactions, IBM IMS applications, IDMS DC programs, Natural programs and related resources</li><li>• Offers native support for VSAM files and relational databases</li><li>• Includes GUI-based administration and monitoring; as well as built-in diagnostic utilities for remote monitoring</li><li>• Utilizes authentication and resource-level security similar to IBM RACF® technology</li><li>• Maintains transactional integrity and consistency</li></ul>
NTT DATA Batch Processing Environment (BPE)	<p>Complete environment for administering, executing and managing batch workloads on industry-standard systems without excessive code change or complex integration requirements</p> <p>Highlights</p> <ul style="list-style-type: none"><li>• Includes comprehensive and dynamic Job Control Language (JCL) translation capabilities</li><li>• Supports job step management and recovery, priority classes, conditioned execution, job monitoring and more</li><li>• Provides native support for GDGs, sequential files and relational databases</li><li>• Integrates with industry-standard software and common IBM utilities, such as IDCAMS, IEBGENER and SORT</li><li>• Includes GUI-based job editor</li></ul>
NTT DATA Transaction Security Facility (TSF)	<p>Comprehensive technology that can be bundled with TPE software to provide secure operations and protection levels similar to IBM RACF technology for IBM CICS transactions</p> <p>Highlights</p> <ul style="list-style-type: none"><li>• Utilizes LDAP or relational-database repositories</li><li>• Provides administrative and runtime services for a role-based-access-control security model</li><li>• Enables audit logging with configurable levels of audit messages</li><li>• Provides point-of-entry security, if required</li></ul>

Supported platforms for our Mainframe Re-hosting software include:

- Red Hat Enterprise Linux / CentOS
- SUSE Linux
- IBM AIX
- Linux on IBM Z
- HP-UX
- Oracle Solaris
- Amazon Linux 2

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

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