Application Development and Modernization

Modernize mainframes and reduce OpEx by up to 70%

UniKix® Mainframe Re-hosting Software Suite

Your trusted platform to migrate business-critical legacy applications to the cloud, preserving existing business logic and user interfaces. Experience unparalleled flexibility and scalability while saving up to 70%.

UniKix
by NTT DATA

Many established businesses grapple with modernizing critical legacy mainframe systems. Enter UniKix and NTT DATA. Our software suite bridges the gap between the old and the new, so you can maintain and enhance the value of existing applications without extensive rewrites or reengineering. With it, you can unlock innovation, reduce operational costs and position your business at the forefront of your industry — all while ensuring continuity and operational excellence.

Run business-critical mainframe workloads

The UniKix Mainframe Re-hosting Software Suite lets you run mission-critical workloads on cost-effective systems, cutting operating costs by up to 70%. It preserves existing application investments and extends distributed platform benefits to migrated IBM CICS, IBM IMS, IDMS, Natural Adabas and other assets. With our software, your business can handle new requirements like cloud computing, mobility and virtualization while extending the life of legacy workloads and minimizing disruption.

Maintain the valuable business logic and end-user interfaces you've developed over the years. And gain an integrated environment to extend these assets with new Java Enterprise Edition, service-oriented architecture and web services. Free up capacity, avoid unnecessary upgrades and lower total cost of ownership by re-hosting your complete mainframe environment to industry-standard systems or offloading portions of your legacy processing requirements.

Unlike re-engineering or commercial off-the-shelf alternatives, application logic and data remain largely intact with mainframe re-hosting. Our approach enables rapid and cost-effective migration with minimal business disruption. And since re-

> " 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."
>
> — Chief Technology Officer of a leading manufacturing company.

hosting minimizes change, your development resources will easily adapt to the new environment and end users may not require retraining.

Renew valuable legacy assets

Our UniKix Mainframe Re-hosting Software Suite moves multiple application languages and utilities to industry-standard systems. Doing so preserves valuable business logic and provides the immediate advantages of reuse. The software supports distributed COBOL platforms, including NTT DATA Enterprise COBOL and Micro Focus COBOL, as well as C, C#, Natural and Java applications. It uses XA-compliant architecture and supports mainframe VSAM file types and popular relational databases such as IBM DB2 LUW, Microsoft SQL Server, Oracle database and Sybase to enable the seamless migration of legacy assets.

Supported platforms include:

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

Benefits:

- Lowers annual IT operating costs significantly
- 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

Core UniKix Mainframe Re-hosting Software Suite components

Software	Description
NTT DATA Transaction Processing Environment (TPE)	Native, high-performance transaction processing environment enables rapid migration of mainframe application and data investments without excessive cost or risk. **Highlights:** • Runs re-hosted IBM CICS transactions, IBM IMS applications, IDMS DC programs, Natural programs and related resources • Offers native support for VSAM files and relational databases • Includes GUI-based administration and monitoring, as well as built-in diagnostic utilities for remote monitoring • Uses authentication and resource-level security similar to IBM RACF® technology • Maintains transactional integrity and consistency
NTT DATA Batch Processing Environment (BPE)	Complete environment for administering, executing and managing batch workloads on industry-standard systems without excessive code changes or complex integration requirements. **Highlights:** • Includes comprehensive and dynamic Job Control Language (JCL) translation capabilities • Supports job step management and recovery, priority classes, conditioned execution, job monitoring and more • Provides native support for GDGs, sequential files and relational databases • Integrates with standard software and common IBM utilities, such as IDCAMS, IEBGENER and SORT • Has a GUI-based job editor
NTT DATA UniKix Secure	Comprehensive technology can be bundled with TPE software to provide secure operations and protection levels similar to IBM RACF technology for IBM CICS transactions. **Highlights:** • Uses LDAP or relational-database repositories • Provides administrative and runtime services for a role-based access control security model • Enables audit logging with configurable levels of audit messages • Offers point-of-entry security, if required

The UniKix Mainframe Re-hosting Software Suite deploys on-premises or with any of the major cloud vendors. From traditional perpetual license purchase to a pure usage model or an as-a-service solution, we offer a wide range of options to provide the best cost model to meet your needs.

Why NTT DATA and UniKix:

- UniKix was the first software to ever re-host a production workload off a mainframe back in 1989 and the first to re-host mainframe applications to the cloud in 2017

- 30+ years of production application experience

- Flexibility to migrate to a public cloud of your choice (for example, Amazon Web Services, Azure or Google Cloud)

- With over 350 successful projects completed and more than 1,000 licensed installations, UniKix offers a mature re-hosting solution

Visit us.nttdata.com to book a virtual session and map your mainframe modernization journey.

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