

## UniKix Mainframe Rehosting Software Product Family Brief



### Highlights:

- Provides a native, mainframe-compatible transaction and batch processing environment on open systems
- Typically lowers annual IT operational costs 30-70%
- Offers extensive compatibility with legacy systems – reducing migration risk, time and complexity
- Supports leading relational databases, VSAM, sequential and GDG file types
- Runs on wide range of common Linux®, Microsoft® Windows®, and UNIX® platforms
- Delivers a proven platform for future application evolution initiatives such as Cloud computing, SOA and Web enablement

*Deployed at over 1,300 sites worldwide, UniKix® Mainframe Rehosting software provides an unparalleled environment for running mission-critical online and batch workloads on cost-effective, open systems. By preserving existing application investments and safely extending the benefits of distributed platforms to migrated IBM® CICS® transactions, IBM IMS® applications, IDMS, Natural Adabas, and other assets, operating costs can be reduced up to 70%, while service level agreements continue to be met.*

### The UniKix advantage

UniKix Mainframe Rehosting software provides a complete environment to migrate mainframe environments to open systems or to offload portions of an organization's processing requirements to free up capacity, avoid unnecessary upgrades, or simply lower TCO. Unlike risky reengineering or commercial off-the-shelf (COTS) alternatives, application logic and data remains largely intact under the UniKix approach, enabling rapid and cost-effective migration with minimal business disruption. Development resources easily adapt to the new environment and application end-users typically require no retraining.

After moving to a scalable UniKix framework, new processes, interface enhancements, Cloud and service oriented architecture (SOA) initiatives can be implemented on a cost-effective platform. By preserving the valuable business logic and interfaces that have developed over years of use, and providing an integrated environment for extending these assets with new JEE, SOA, and Web Services initiatives, UniKix offers a solid foundation for satisfying evolving business requirements and safely extending the life of mission-critical legacy workloads.

### Comprehensive migration and modernization software suite

The result of more than 20 years of deployment experience, UniKix Mainframe Rehosting software addresses the needs of large and small legacy environments.

- **UniKix® Transaction Processing Environment (TPE) software** – UniKix TPE software provides a powerful OLTP system for rehosted IBM CICS transactions, IBM IMS applications, IDMS DC programs, Natural and related resources such as VSAM data file types. To maintain robust transactional integrity and consistency, UniKix TPE supports parameters, such as commitment and recovery, as well as user-level file locking, lock contention and resolution.

*"Now we process more transactions every hour at a far lower price point. Rehosting helped our organization avoid a long, costly transformation process and got our applications onto a flexible open systems environment better suited to address future market requirements."*

**Francis Feldman, Vice President of the Shared Data Center, NYSE Euronext**

- **UniKix® Batch Processing Environment (BPE) software** – UniKix BPE software delivers a complete environment for administering, executing and managing mainframe batch workloads on open systems without excessive code change or complex integration requirements. With comprehensive and dynamic Job Control Language (JCL) translation capabilities, pre-built integration with common mainframe and 3rd party utilities and native support for standard mainframe data file types, UniKix BPE technology enables batch investments to be rapidly migrated off the mainframe.
- **UniKix® Manager software** - Included with UniKix TPE software, UniKix Manager software enables remote administration and monitoring of UniKix TPE regions across the network. By displaying real-time system status and processing rates through a Java-based administration facility, UniKix Manager software provides a flexible interface for enhancing efficiency and performance.
- **UniKix® Secure software** - UniKix Secure software offers a comprehensive Role Based Access Control (RBAC) model that can be deployed in conjunction with UniKix TPE software to meet the needs of businesses reliant upon secure operations. With its inclusive permissions model, multiple user profile choices and adaptable hierarchical relationship options, UniKix Secure software delivers protection levels similar to IBM RACF® technology for IBM CICS transactions.

#### Reuse. Recycle. Renew.<sup>SM</sup> valuable legacy applications and data

UniKix software provides immediate reuse advantages with the ability to move a large number of application languages and utilities to open systems, while keeping valuable business logic intact. Support is provided for distributed COBOL platforms such as vCOBOL Enterprise from Veryant and Micro Focus COBOL. PL/I programs are supported through Open PL/I. Applications written in the C language, C#, Natural, as well as Java can also be executed in a UniKix software environment.

UniKix software supports mainframe VSAM file types as well as popular relational databases such as IBM® DB2® (LUW), Microsoft SQL Server, Oracle® database, and Sybase. All relational database and VSAM file interactions are controlled and synchronized using XA-compliant architecture. After moving an application to a UniKix environment, new processes, architectures, and end-user interfaces can be realized in a cost-effective, scalable platform.

#### End-to-end service offerings help ensure success

UniKix Mainframe Rehosting software is complemented by Clerity's end-to-end migration service offerings. Transitioning from one environment to another commonly involves coordinating hardware platform requirements, software requirements and operational issues such as training and governance. The proper balance of all these considerations helps avoid business disruption. Clerity uniquely offers the expertise, training, and support services to address all of these areas, and thus, reduces risk, time to deployment, and overall project cost.

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