

## UniKix Batch Processing Environment Software



### Highlights:

- Provides a complete, native environment for executing, managing, and developing mainframe batch workloads on scalable open systems
- Preserves core batch constructs such as Job Control Language, job steps, workload classes, and priorities
- Supports IBM® z/OS® and IBM® z/VSE® operating system JCL statements as well as scripts and common utilities such as IDCAMS, IEBGENER, and SORT
- Offers authentication and resource-level security
- Includes a GUI-based job editor
- Enables the configuration of databases, security definitions, accounting criteria, and job classes

### Mainframe batch execution on open systems

A large percentage of business-critical application legacy processing is addressed by batch workloads. UniKix™ Batch Processing Environment (BPE) software protects existing application and data investments by bringing the best aspects of mainframe job management to cost-effective open systems. With comprehensive Job Control Language (JCL) translators, pre-built integration with common mainframe and 3rd party batch utilities, and native support for standard mainframe data file types, UniKix BPE technology enables batch application investments to be rapidly migrated to open systems servers without excessive code change and complex integration requirements.

### Evolutionary path forward

UniKix BPE software delivers affordable, efficient, and highly manageable production environments. Compared to risky alternatives which re-implement business procedures and environmental variables, UniKix BPE software replaces common JCL syntax on a one-for-one basis and offers customers the choice of continuing to program in JCL syntax or to translate JCL to scripts going forward.

The migration facilities provided with UniKix BPE software include IBM z/OS and IBM z/VSE operating environment JCL translators. Jobs, job steps, and procedure steps concepts are maintained along with support of common mainframe utilities like IDCAMS, IEBGENER, and SORT. With UniKix BPE software, there is no need to re-implement complex batch processes and procedures when legacy workloads are rehosted to open systems.

### Complete operational job control

A complete batch job execution facility is included with UniKix BPE software. The technology's graphical user interface (GUI) facilitates the ability to manage non-interactive jobs and allows actions such as:

- Monitoring active jobs and job classes
- Listing specific job status and execution reports
- Submitting jobs
- Canceling and suspending jobs that are in execution
- Saving configurations

Jobs can be designated specific job classes and assigned priorities within a job class; specific jobs or procedure steps can also be restarted.

**Robust, flexible administration**

UniKix BPE software allows users to define, configure, and administer a system using a menu-driven program known as the UniKix™ Batch Administration Manager (BAM). UniKix BAM allows administrators to configure databases (VSAM, RDBMS), define security, specify accounting criteria, create job classes, configure a batch console, and set many other attributes associated with the UniKix BPE software environment.

With UniKix BPE software, batch programs can be managed and scheduled according to specific configuration parameters such as start time and job priority. UniKix BPE software administrators can assign job attributes, change job attributes, and determine current status of a job. Administrators can also create and manage multiple batch nodes and subsystems when separate environments are required, such as for individual production and test regions.

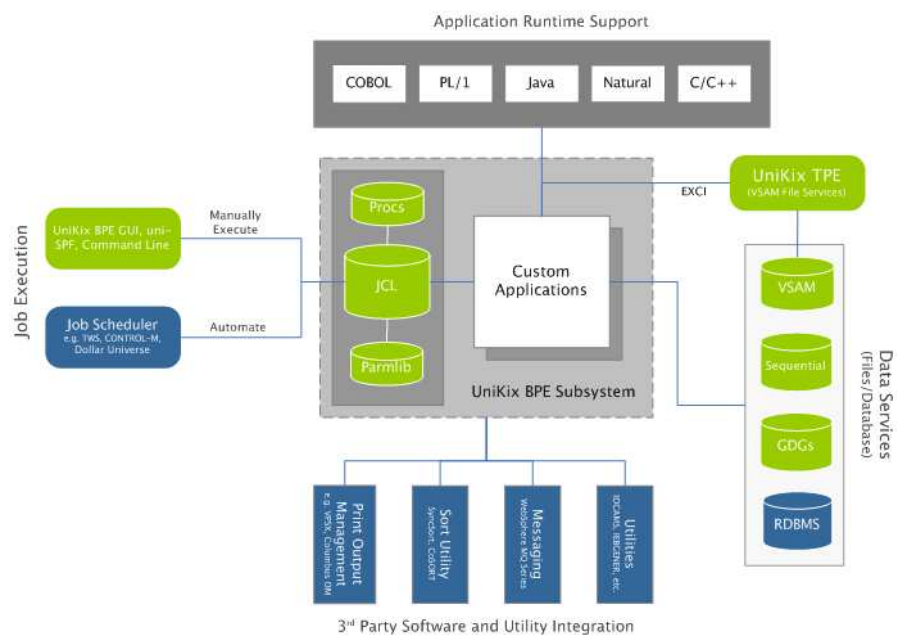
A GUI file editor provided with UniKix BPE allows administrators to intuitively add, modify, or delete file entries and attributes. The editor also allows developers to create and edit jobs using a point and click interface.

**Native support for mainframe data types**

UniKix BPE software supports standard mainframe data file types such as VSAM files (KSDS, RRDS, and ESDS), sequential files, GDGs (Generation Data Groups), and Concatenated Data Sets. This support enables applications accessing these legacy file formats to be rapidly moved to open systems. By preserving data file iterations instead of collecting information into one large file, UniKix BPE minimizes disk space consumption and compute cycle requirements on the new target platform.

UniKix BPE technology also supports leading relational databases such as IBM® DB2® (UDB), Oracle® database, and Microsoft SQL Server, as well as Adabas from Software AG.

By protecting valuable business logic investments and offering built-in integration with common mainframe utilities, UniKix BPE provides a complete solution for processing batch environments on open systems environments.



### Addressing the complete picture

A large percentage of mainframe batch workload processing time involves interacting with common utilities such as IDCAMS, IEBGENER, and IEBCOPY, in addition to 3rd party solutions such as sort utilities, job schedulers, and print spoolers. With built-in integration for both tightly and loosely coupled application utilities, UniKix BPE software automates a large portion of the integration efforts commonly associated with migrating batch environments to open systems. UniKix BPE software allows administrators to integrate their preferred middleware components, forming a complete software solution for supporting business logic and minimizing risk.

### Remote job submission

UniKix BPE software provides a Remote Job Submission facility where users can submit z/OS or z/VSE jobs via ftp transfer from a mainframe or open systems server. Once the ftp transfer has completed, UniKix BPE software automatically translates and submits jobs for execution.

### Configuration import facility

The configuration import facility allows administrators to import existing subsystems from other nodes and from the same node. This simplifies the upgrade process for new software releases as well as movement of processes between nodes.

### Batch statistics

UniKix BPE software contains enhanced commands allowing the display of statistics such as time spent in VSAM code, wait times, and logical and physical I/O statistics.

### Comprehensive legacy investment and modernization solutions

UniKix BPE software raises the bar on batch administration and processing, providing a cost-effective alternative for executing batch workloads on open systems platforms. When considering a migration project, both the path to obtain the desired target environment and the destination are equally as important. With UniKix BPE software, batch application investments can be quickly be leveraged on open systems without excessive code change and complex integration efforts, resulting in a highly manageable and well-supported platform moving forward.

UniKix BPE technology is part of a larger suite of migration and modernization offerings from Clarity that enhance, extend, and transform legacy assets. Clarity recognizes that companies have significant investments in core applications and procedures and provides a wealth of low risk, high value solutions to reduce IT costs without sacrificing functionality and service level agreements.

Find more details about these solutions at [www.clarity.com](http://www.clarity.com).

## About Clerity

Clerity is a leading full-service provider of legacy migration, modernization, and optimization solutions. Drawing from over 16 years of experience, Clerity recognizes that companies have significant investments in core applications and procedures and provides a wealth of low risk, high value tools, technology, and services to reduce IT costs without sacrificing current functionality and service level agreements. Headquartered in Chicago, Illinois with offices worldwide, Clerity has customers in all in major countries, including some of the largest financial services ISVs and Fortune-class end users.

Learn how Clerity can provide an evolutionary path forward for your application and data environments at [www.clerity.com](http://www.clerity.com).



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