

## Clerity 3270 Pathway Software



### Highlights:

- Integrates data or results from multiple back-end 3270 transactions into a single Java application
- Automatically generates Java code to navigate to the selected transaction
- Provides easy access to any 3270-based host application
- Provides the ability to concurrently access multiple back-end applications on different hosts
- Uses Java Beans technology for smooth integration with Java application servers
- Uses logical data naming to identify selected data for sharing or integration

### The pathway to integration

Over 90% of today's IBM® CICS® transactions and IBM® IMS® applications support 3270 interfaces. Clerity™ 3270 Pathway software leverages this universal interface to provide rapid, flexible access to back-end mainframe applications. With Clerity 3270 Pathway technology, programmers have the capability to concurrently access multiple back-end applications on numerous hosts and to integrate them together to present a single interface to end users. This enables isolated or "stovepipe" legacy systems to easily be transformed into modern, user-driven integrated applications without lengthy rewriting or major enterprise change.

### Rapid 3270 data integration

Building applications from scratch can sometimes take years. With Clerity 3270 Pathway software, Java technology-style programming can be used to extract existing business rules, append new Java technology coded functions, and rapidly deliver innovative and productive business-oriented applications.

Clerity 3270 Pathway software, written entirely in Java, allows developers to access multiple back-end 3270 systems including IBM CICS and IBM IMS transaction systems, as well as UniKix™ Transaction Processing Environment (TPE) software regions and deliver integrated results as a single screen to application end users. With Pathway technology, programmers can also create new applications in Java that integrate with legacy applications to extract or input data from those applications.

### Familiar development environment

Clerity 3270 Pathway technology utilizes the Java Beans technology architecture, so it can easily be integrated with any of today's leading Java Integrated Development Environments (IDEs), such as Sun Java Studio and Visual Age for Java. Programmers can choose to continue leveraging the Java development environment they are comfortable with, and simply add Clerity 3270 Pathway software as a mainframe access object. This minimizes coding requirements and enhances productivity.

Clerity 3270 Pathway software's easy-to-use field-level access methods allow navigation of hierarchical 3270 applications. Screen data can be modified and extracted without complex programming. With this field-level access method to 3270 applications no 3270 data stream data parsing is needed, thus fast and efficient application development can be realized.

Clerity 3270 Pathway software easily enables created Java Beans to be configured as part of a server-side Java application.

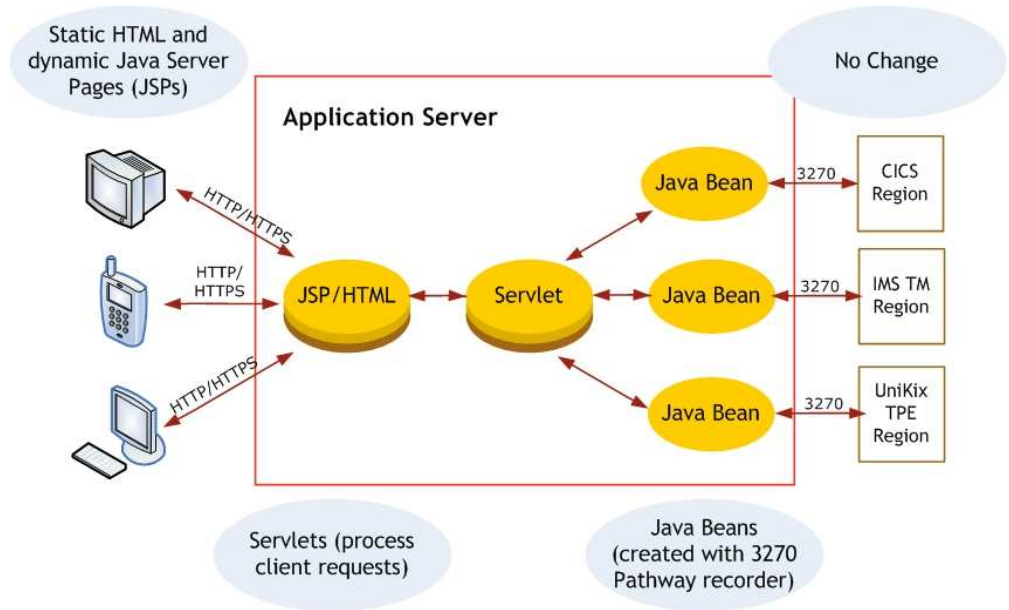


Figure 1. Clerity 3270 Pathway Deployment Example

#### Automatic navigation

With Clerity 3270 Pathway software, programmers no longer need to be concerned with the complexities of creating Java code to navigate and extract legacy data. Clerity 3270 Pathway software includes an automatic navigation recording function, known as the 3270 Pathway recorder, which records a path through an application, takes input and output definitions, and then automatically delivers the result as a Java Bean.

#### Data naming

Clerity 3270 Pathway software provides a streamlined way to pass data between applications and to integrate them. As a programmer navigates through Pathway software, data that needs to be shared or integrated with other legacy or new Java applications can be identified and named.

#### Componentization

Since many legacy transactions have multiple decision points and pathways, users of Clerity 3270 Pathway software may choose to break each application into separate beans at each decision point. This makes it easy to link selected beans together to form the correct pathway through applications to meet different decision criteria. In effect, the legacy transaction application has now been decomposed into separate bean components.

#### Deployment architecture

As seen in Figure 1, *Clerity 3270 Pathway Deployment Example*, Pathway software created Java Beans may be configured as part of a server-side Java application running under common application servers such as IBM® WebSphere® software, BEA WebLogic and JBoss. To develop applications using Pathway technology, a Java runtime environment (JRE) of at least version 1.4 is required.

Clerity 3270 Pathway software allows developers to create new business logic in the middle-tier server using Java technology while integrating with existing legacy applications. By deploying Clerity 3270 Pathway technology in a middle-tier server, business rules are secured by having the flexibility of using HTTP, HTTPS, RMI or CORBA between the client and the middle-tier server. This deployment also reduces network traffic.

#### A complete solution

Clerity 3270 Pathway software provides an easy way for Java developers to create the navigation beans needed to navigate through the many pathways of legacy IBM CICS applications and IBM IMS applications. Now, developers can produce the beans necessary to integrate and transform multiple legacy applications into new, Java customer-focused business solutions.

#### Comprehensive legacy investment and modernization solutions

With Clerity 3270 Pathway software, your organization can rapidly integrate 3270 data and applications with new IT initiatives.

Clerity 3270 Pathway software is part of a larger suite of migration and modernization offerings from Clerity that enhance, extend, and transform legacy assets. Clerity 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.clerity.com](http://www.clerity.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).



9930 Derby Lane, Suite 202 • Westchester, IL 60154  
Phone 1-888-2-REHOST (or 1-630-981-6100)

© 2010 Clerity Solutions, Inc. All rights reserved. Clerity and UniKix are trademarks, or registered trademarks, of Clerity Solutions, Inc. in the United States and other countries.

IBM and CICS are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both. All other marks are the property of their respective owners.