



Legacy Integrator™

Application Integration Framework™ component providing programmatic access to all terminal-based legacy applications.

Software Development Kit (SDK)

Legacy Integrator is a key component of the Application Integration Framework™. The Legacy Integrator SDK provides the fastest, most efficient solution for programmatically accessing any terminal-based application. Legacy Integrator enables any Java programmer to quickly and easily integrate any terminal interfaced application with any other application in the enterprise. The SDK includes a straightforward “Capture” and code generation process that automates programmatic access to legacy applications.

With Legacy Integrator, you can “capture” full application flow, providing total access to program logic and all underlying data, regardless of database structure or format. Tremendous productivity benefits accrue when Legacy Integrator automatically generates the Java beans emulating this interaction. Support exists today for 3270, 5250 and VT100/220 applications. Once generated, these Java programs can be incorporated into any server side application.

The real power of this solution is its unique, innovative approach. Additional benefits are realized with the non-invasive integration of any legacy application into your enterprise through any of the leading eBusiness integration systems. Legacy Integrator has been designed from its inception to integrate seamlessly with all major message brokering and B2B integration systems.

In today’s complex enterprise systems, many customers desire to integrate key applications into their EAI infrastructure. However, a number of critical application subsystems provide APIs that are extremely difficult to integrate. With Legacy Integrator, using the terminal interface to access both logic and data, integration becomes easy.

Instead of spending months integrating an application, you can use Legacy Integrator to programmatically reach any application functionality in weeks, saving precious time, resources and expense.

Application Integration Framework™ Advantages

- **100% Java Components**
- **Full programmatic integration with any EAI or B2Bi infrastructure**
 - Suite includes SDK and Runtime Environment
 - Seamless, fully automated approach to web and legacy application integration
 - Easy integration with EAI/ B2Bi or other Java APIs
- **Resource leverage**
 - Non-invasive; web and legacy applications remain unchanged
 - Access to any browser or terminal legacy application - HTML, 390, AS/400, Digital or Unix
 - Standard industry protocols

SDK

- **No coding required**
 - Access all logic/functions; capture application flow
 - Automatically generate code
- **Objects and Java Beans**
 - Faster, efficient development
 - Full object-oriented model

Application Capture Facility

Legacy Integrator SDK’s Application Capture Facility enables developers to access any application through its terminal interface and to use this as the primary programming interface. The developer connects to an application through the terminal screen and navigates through the application while capturing application flow. The SDK captures the steps performed and creates a model of interaction. It then provides an automated function enabling the developer to convert the captured session into Java programs. These programs include all navigation through the application, including all input and output of data from the terminal.

This allows any other program to control requests for data from or input directly to the application. The Application Capture Facility provides full and complete emulation of all terminal supported functions.

Code Generation Facility

Using the Code Generation Facility of the SDK, a developer can also access, edit and save Legacy Integrator files. All automatically generated Java programs and all captured application sessions are included. The Code Generation Facility’s method, class and data creation wizards help guide the developer through the automated process of creating Java objects from captured application interactions. The resulting automatically generated programs are 100% Java reusable objects that can be called from or linked with any other application connected to the leading EAI and B2Bi systems. And, these programs can be easily deployed on any NT or UNIX server using the Legacy Integrator Runtime Environment. Integrating existing production applications - server side E-commerce, customer support, customer service or other - with your enterprise applications is now possible due to the power and flexibility of Legacy Integrator.



Legacy Integrator™

Legacy Integrator™

Application Integration Framework™ Advantages

Runtime Environment

- 100% Java programs
- Fully extensible code
- Server-based implementation
- NT or any UNIX variant
- Efficient program execution
- Built-in Java browser or terminal emulator for 3270, 5250, VT100 and VT220

EAI - B2Bi Adapters

- 100% custom Java programs to all messaging systems
- Server-based implementation
- NT or any UNIX variant
- Runs concurrently with Runtime Environment
- Full object-oriented model

Legacy Integrator Runtime Environment: Full, object-oriented emulation of all terminal-based legacy production applications.

Legacy Integrator Runtime Environment provides the fastest, easiest production solution for programmatically accessing any terminal-based applications and data. The Runtime Environment is the enabling mechanism that allows the Java programs created automatically by the SDK to execute on any NT or UNIX server.

Included with the product is an imbedded Java terminal emulator that has been optimized to provide the most robust, reliable and scalable emulation environment available. Due to the advanced features of the emulator, execution speeds are superb and processing overhead is minimal. Production throughput is limited only by network connection and bandwidth considerations.

With the Legacy Integrator Runtime Environment, you can simultaneously execute multiple applications and/or execute the same application multiple times in parallel. Legacy Integrator provides full legacy production application integration with complete and total access to application logic and all underlying data.

Legacy Integrator Adapters: Seamless integration of all terminal-based legacy applications with all major EAI and B2Bi systems.

Legacy Integrator Adapters facilitate the incorporation of Legacy Integrator applications into any of the major EAI or B2Bi systems. The Legacy Integrator Adapter promotes seamless integration of legacy terminal-based applications with the major EAI and B2Bi systems, thus providing access to the underlying production application data from any application that can communicate via the messaging event protocol.

All Legacy Integrator Adapters execute concurrently with the Runtime Environment and, in essence, glue Legacy Integrator and the EAI and B2Bi system together. The Adapter is the only subsystem that knows both how to

Tremendous productivity benefits accrue when automatically generated Legacy Integrator programs execute.

Full support exists for all applications with a 3270, 5250 or VT100/220 terminal interface API and support is being incorporated for other legacy terminal-based applications as well. All IBM 390, IBM AS/400, Digital legacy and all Unix applications are supported.

Legacy Integrator has been designed with an intuitive and open API. Its extensible architecture enables a Java developer to easily add any extra functionality they desire. Because the resultant code is all Java, these programs can be easily incorporated into or called from any server side application as well.

The Runtime Environment represents true state of the art technology. Just as mainframe terminal emulators extended mainframe applications to PCs, Legacy Integrator brings the programmatic automation of these same applications to the entire enterprise via seamless integration with all major EAI and B2Bi systems.

receive and send EAI and B2Bi events and how to use the Legacy Integrator application access subsystem. All of the Adapters work similarly and are based upon the Java API they present:

- The Adapter receives an event from the EAI or B2Bi messaging broker
- The Adapter finds the event infoset, reads the method name and maps the event fields onto the method
- The Adapter reads the event fields and converts them into Java objects
- The Adapter calls the method of the Legacy Integrator access class
- A reply event is created and delivered back to the messaging system

RED OAK SOFTWARE

115 Route 46, Suite F1000
Mountain Lakes, NJ 07046

Phone: 973-316-6064

Fax: 973-316-0568

Email: info@redoaksw.com