



HP Integrator

HP Integrator API and Runtime Environment: Full, object-oriented emulation of all terminal-based HP production applications.

Application Integration Framework™ Advantages

API / Runtime Environment

- 100% Java programs
- Fully extensible code
- Server-based implementation - NT/XP, Linux or any UNIX variant
- Efficient program execution
- Built-in Java browser or terminal emulator for HP e3000 systems

EAI - B2Bi Adapters

- 100% custom Java programs to all messaging systems
- Server-based implementation - NT/XP, Linux or any UNIX variant
- Runs concurrently with Runtime Environment

HP Integrator API and the Runtime Environment provides the fastest, easiest production solution for programmatically accessing any terminal-based applications and data. Integrating HP applications has been notoriously difficult. The API contains all the constructs necessary to programmatically integrate any HP e3000 terminal-based application and the Runtime Environment is the enabling mechanism that allows the Java programs created using the API to execute on any Linux, UNIX or NT 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 HP Integrator API and Runtime Environment, you can simultaneously execute multiple applications and/or execute the same application multiple times

HP Integrator Adapters: Seamless integration of all e3000 legacy applications with all App Server, EAI and B2Bi systems.

HP Integrator Adapters facilitate the incorporation of HP e3000 applications into any of the major EAI or B2Bi systems. The HP Integrator Adapter promotes seamless integration of legacy HP 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 HP Integrator Adapters execute concurrently with the Runtime Environment and, in essence, glue HP Integrator and the EAI and B2Bi system together. The Adapter is the only subsystem that knows both how to receive and send EAI and

in parallel. HP Integrator provides full legacy production application integration with complete and total access to application logic and all underlying data. Tremendous productivity benefits accrue when generated HP Integrator integration programs execute.

Full support exists for all HP e3000 applications with a terminal interface.

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

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

B2Bi events and how to use the HP 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 info set, 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 HP Integrator access class
- A reply event is created and delivered back to the messaging system

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