ERP System Connectivity Made Easy!

Find out why RFGen’s ERP Integration Suite raises the bar for other data collection products, making it the most innovative, easy-to-use tool on the market today!

ERP Systems Supported...
- SAP
- JD Edwards

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Data Collection Made Easy

What Is The RFGen ERP Integration Suite?
The RFGen ERP Integration Suite enables companies to easily integrate their data collection processes with selected ERP systems. These ERP systems contain a number of standardized business functions that encapsulate the rules required to perform transaction updates. Use of these rules is the preferred method for interacting with ERP systems because they require no additional code or ‘middle-ware’ to be installed in order to maintain the integrity of your enterprise data.

By allowing simplified access to and use of these business functions, the RFGen ERP Integration Suite greatly reduces the complexity of developing enterprise data collection systems. In fact, because RFGen’s ERP Integration Suite uses only industry standard protocols, developers will see substantial reductions in development time, project complexity, and post-installation support. Also, while other products require users to purchase source code, use ‘C’ code, or worse, learn complicated proprietary languages, RFGen allows companies to ‘truly’ take ownership of the data collection processes. RFGen ERP transactions are completely transparent, allowing developers to quickly and easily make changes based upon new data collection needs or future ERP releases.

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Why Use The RFGen ERP Integration Suite?
Most companies have realized that data collection applications have very little value unless they are integrated ‘real-time’ with their existing business systems. In practical terms, this means that creating a seamless, scalable, reliable connection between new ADC applications and the core business server is vitally important not only to the success of the ADC implementation, but to the business as a whole.

Typically, this is not a new challenge for many companies. Previous integration requirements were most likely based on proprietary technologies. Unfortunately, these companies usually found that developing and implementing these proprietary systems was anything but straight forward. Supporting these systems was also problematic in that the developing IT staff usually needed to move on to other projects or were no longer available.

RFGen addresses these issues head-on. Because RFGen is based on a framework of open standards, developers will immediately see a significant difference; from an intuitive development environment with a minimal learning curve, to a rapid development cycle, to a nearly support-free deployment — companies using RFGen experience the lowest TCO (Total Cost of Ownership) in the industry.

How Does The RFGen ERP Integration Suite Work?
Development of ERP enabled applications is accomplished through the use of a system that embeds ERP business rules directly into the data collection process. First, developers browse and select from a list of business rules supported by their ERP system. Next, developers can explore the data fields/tables these functions include and set system-wide defaults for input fields. Finally, developers use RFGen’s point-and-click and drag-and-drop methods to develop their data collection applications, while ‘embedding’ the ERP business objects necessary to properly process their ERP transactions.
RFGen supports continuous 24/7 data collection operations. If desired, your employees can continue to function even when your ERP system is unavailable. Using a combination of local validation tables and the RFGen Transaction Management Server, all of your mission critical transactions can be easily validated and queued for background / future processing on your ERP system.

Object Based Design
RFGen provides developers with direct access to their ERP systems business functions by allowing them to embed the business rules as objects inside RFGen applications. The following diagram provides a high-level overview of a typical RFGen installation. Please note that all interaction with the ERP system is through its own business objects and requires no special code or other programming on the ERP system itself. RFGen also supports ‘real-time’ connectivity to your ERP systems data as well as the capability to queue transactions for batch processing.

STANDARD TRANSACTION SETS
To facilitate the development and deployment of your automated data collection system, RFGen provides a number of pre-written, validated transactions for your ERP system. Using these transactions as a starting point, companies can get a jump-start on their ROI (Return On Investment) for data collection. Here are some of the transactions available...

- Inventory Adjustments
- Inventory Issues
- Inventory Transfers
- Item Re-Classification
- Cycle Count Update
- PO Receipts / Routing
- Pick / Pack Confirmation
- Shipment Confirmation
- Work Order Processing
- Material Inquiries

24/7 DATA COLLECTION
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ERP License Pooling
Issues such as server responsiveness, network traffic, and user licenses for your ERP system can typically drive up the total cost of implementing your automated data collection system. RFGen gives companies total control over how their data collection efforts will impact on these critical issues. Using RFGen, devices can connect directly to your ERP system with their own individual session or they can share ERP sessions from a RFGen managed pool of open connections. RFGen ERP connections are also designed to minimize their effects on your ERP server’s load and network infrastructure.