



# Frontier® eProducts

Extending Your Frontier Information to the Internet



ERP systems require an extensive amount of data and product information to support the many aspects of effective customer service. Organizations that provide complex, customer-specified product lines are faced with an even larger challenge due to the extensive level of engineering and configuration data that is typically associated with these product types. Developing and maintaining this data and product information internally is enough of a challenge, let alone trying to replicate and extend this information out to the customer in a format they are comfortable with.

Frontier eProducts are fully integrated, single database applications that leverage existing Frontier-based customer, product and pricing information, thus eliminating the need to maintain or synchronize multiple sets of data between separate systems. For example, the product and price tables, configuration logic, and validation rules users have already developed and tested within Frontier® ERP can be seamlessly extended to the Internet utilizing the eProduct solutions. The eProduct applications also utilize the existing Frontier-based business logic, ensuring that the data will generate the same results no matter how or where the information is accessed. This development approach greatly minimizes the cost and effort associated with both the initial deployment and ongoing maintenance of an eBusiness solution, resulting in a quicker and more cost effective overall solution for existing and new Friedman customers.

## System Requirements:

### iSeries

- Software:
  - IBM SQL for iSeries
  - OS/400 V4R4 and higher

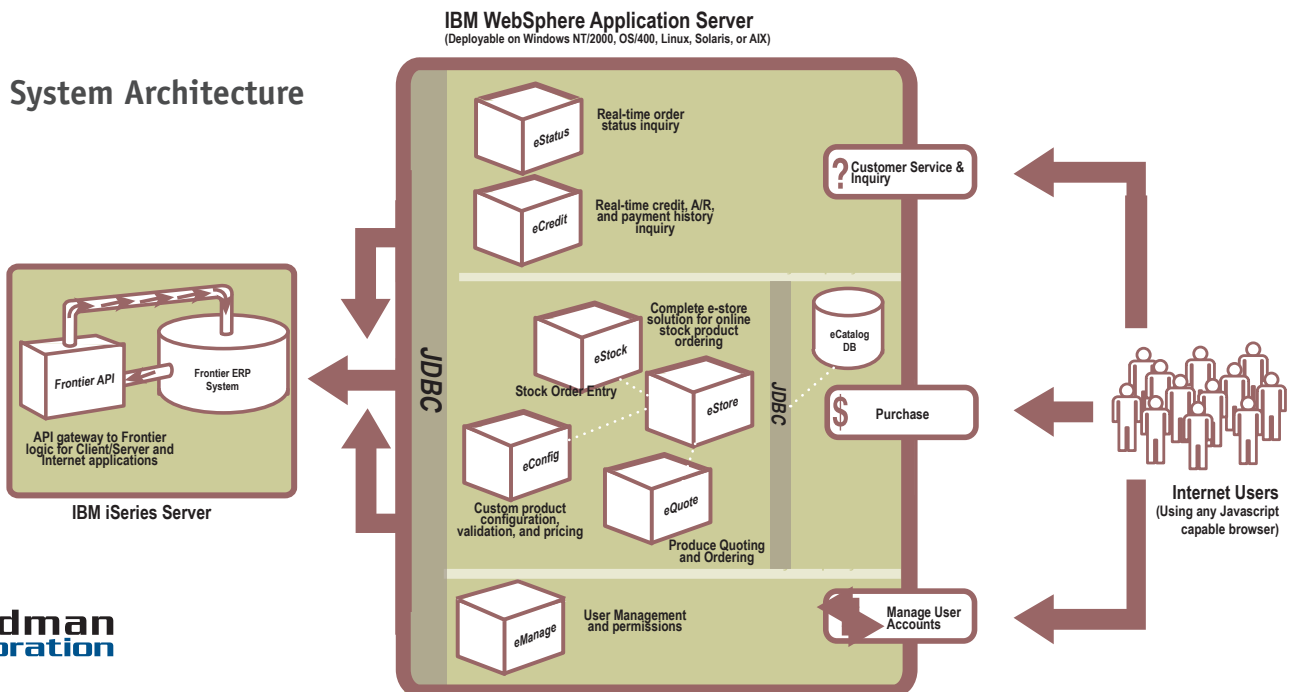
### IBM WebSphere Application Server

- Software:
  - WebSphere 5.x Express or WebSphere 6.x Express
  - Windows 2000, XP, Pro/2003
  - Linux or OS/400
- Requirements for eStore module\*
  - MySQL database (freeware)
  - IBM UDB2 version 7.x and up

- Hardware:
  - iSeries
  - Unix/Linux
  - Windows Server (minimum recommended)
    - ~ CPU 2.8 GHz
    - ~ RAM 1.5GB
    - ~ HD space not critical, 10GB
    - ~ 100 MBps network card

- Communications:
  - Dedicated, secure Internet access
  - Internal firewall applications
  - TCP/IP network communications

\*Requirements necessary for eConfigure, eStock, and eStore



## Application Program Interface (API):

API is a set of programs that provides the seamless integration into the Frontier® ERP system. The APIs are a set of middleware programs that are specifically designed to process data requests from the eProduct applications, make direct calls to existing Frontier programs, and return the results back to the requesting application. The required programs are delivered and included with each eProduct module, but can also be purchased independent of the eProduct applications. The data transfer protocols and integration programs utilized within the API middleware can greatly reduce the application integration efforts associated with a third-party eBusiness solution provider or internally developed solutions.

## eProduct Suite Overview

The front-end and web-server based component of the eProduct applications have been developed utilizing the state of the art Java™ based technologies within the IBM WebSphere™ Application Development platform. This standardized development platform helps to streamline application development, as well as simplify site customization if required. The eProduct applications require a direct connection to the iSeries server running Frontier, but can be deployed on any platform supported by the IBM WebSphere Java Application server: OS/400, Windows NT/2000, Linux, AIX and Solaris. The Frontier eProduct suite of application modules have been designed to support an organization's customer service functions over the Internet. The eProducts modules are fully integrated into the Frontier® ERP system, directly accessing the existing customer, product, pricing and product configuration data already in place for internal customer service use. The eStock and eConfigure modules provide the functionality for your customers to process both stock and complex, customer specified product orders directly into Frontier® ERP over any standard web browser. The flexible design of the graphical user interface can help make even the most complex product lines easy for your customers to understand and accurately process orders against.

## eProduct Modules

### eStatus (Order Management):

This module supports the functionality to provide sales order status information directly from Frontier to your customers and/or sales representatives. Secure logon process supported for both customer and sales rep contacts. Flexible search and selection criteria provide dynamic order selection, sorting and sequencing. Designed to provide order type, order status, order pricing, line item pricing, line item promise dates, as well as line item production status for configured products. eStatus is integrated with PowerBids and 20-20 Frontier EDI solution. eStatus can be also deployed as a standalone application.

### eCredit (Credit A/R Management):

eCredit supports the functionality to provide Accounts Receivable and Credit information directly to your customers and/or sales representatives. Secure logon process supported for both customer and sales rep contacts. Flexible search and selection

criteria supported to dynamically retrieve summarized A/R and credit information, dynamic Receivables aging, detailed open A/R, and customer payment details. Fully integrated with eStatus module to hotlink between summarized invoice detail and sales order line item detail associated with the invoice. Requires eStatus module to be installed to utilize the order links.

### eManage (Contact Management):

The eProduct modules are accessed via a secure logon process based on an individual customer contact or sales representative. These contact records and associated e-mail and password information is maintained within the Frontier® ERP system. This module is designed to allow a customer to maintain their own contact information, rather than rely on your customer service department to process changes related to their internal personnel. Functionality includes the ability to add, maintain and delete authorized contact records, as well as limit access to specific eProduct modules. eManage is an extension of any eProduct web application.

### eStock (Stock Order Entry):

This module supports the overall base foundation for processing sales orders into the Frontier system, as well as the functionality for processing sales orders for stock, part number based products. Functionality includes: on-line product catalog, product catalog management tools, repeat order templates, order copy, shopping cart, product pricing, order promising, checkout process, order placement, and order acknowledgment. eStock is an application which can be deployed as a stand-alone application.

### eConfigure (PCM Entry):

This module is an extension of eStock and supports the functionality for processing sales orders for complex, configured products. Functionality includes: product specification via option categories and lists, extended option descriptions, extended configuration help text, option graphics, product validation, table-based product pricing, lead time calculations, and dynamic drawing generation. This module requires the eStock module to be installed. eConfig is an application which can be deployed as a standalone application.

### eCatalog (Catalog Setup):

eCatalog is designed to setup and manage Internet-based product catalogs, defining product groups, extended descriptions and images. eCatalog is used with eStock and eConfig. It provides flexible search and selection criteria to activate Frontier items for use within the Product Catalog.

### eQuote (Customer Quotation Entry & Management):

eQuote is the newest member of the eProducts family and is designed for flexible and efficient "business to business" (B2B) quotation entry and management, quotation conversion and sales order management. eQuote supports both stock and configured products. Your dealers can create and manage their own customers and customer quoting preferences within eQuote. Quotes can be created using standard Frontier pricing or with standard Frontier pricing with a dealer "markup" for 2nd tier customers. eQuote can also be used for direct manufacturer to dealer or distributor quoting.

