

InsiteConnect for SX.e

INTEGRATION OVERVIEW

Integration to an ERP is critical for a successful eCommerce implementation. It is imperative that the data flow between the eCommerce and ERP systems are in sync for business rule enforcement and automation of order processing. Insite has created a standard integration connector into Infor™ SX.e that leverages the ERP’s critical data and order constructs. This pre- established integration module enables a quick-to-market implementation, helping a company deploy an eCommerce site integrated with SX.e that has robust functionality and is tightly coupled.

SOLUTION HIGHLIGHTS:

- Configure the bi-directional flow of data between InsiteCommerce® and Infor SX.e through the robust Admin Console
- Utilize refreshes, submissions, and real-time calls depending on data type
- Supports inventory, availability, taxes, order submission, credit card validation and more

INTEGRATION ARCHITECTURE

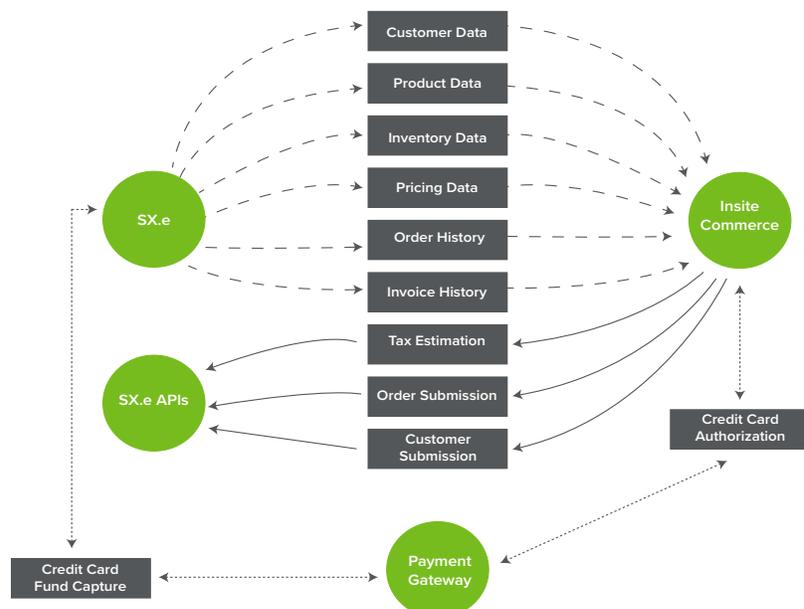
InsiteConnect for SX.e involves three types of data flows: refreshes, submissions, and real-time calls. Refresh jobs pull data sets from the ERP and replicate that data into the Insite database for use on the site. The refresh jobs are executed by running queries directly against the SX.e database. Submissions push

data from Insite into the ERP, leveraging the Infor SX.e APIs. Real-time calls can also made to Infor SX.e APIs or a third-party tax software for tax quotes and to third-party payment gateways should either be required for the implementation. The following diagram shows the high-level data constructs and flows that are included in Insite’s standard Infor SX.e integration module.

InsiteCommerce: InsiteConnect™ for SX.e Integration Process Flow

- Integration Method Key**
- > Scheduled Database to Database Refresh
 - Real-Time API Call to Infor SX.e
 - Method Dependent on 3rd Party System

Note
This document is meant to display a typical integration architecture to SX.e. Final implementations can vary, depending on the configuration/setup of SX.e, third party systems, and the methods available to connect to these systems.



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REFRESHES

Refreshes involve Insite acquiring data from the SX.e database via a direct ODBC connection. The ERP data is replicated into the Insite database for use throughout the site.

Refresh jobs can be scheduled individually to run as frequently as needed, depending on the business requirements. For example, the Product, Customer, Pricing, Order History and Invoice History refreshes may be scheduled to execute nightly. However, because Inventory is critical to display on the site, that job may be run hourly.

Pricing integration can be handled as a refresh, where Insite has replicated much of the SX.e pricing data and logic within the Insite platform. This means that pricing on the site is technically calculated by Insite, but it mimics the various pricing levels that would be found if an order was directly entered into SX.e. This approach to pricing allows the eCommerce site to be independent from the ERP, meaning the site can still price and process orders even if the ERP is not available. It also keeps the site performing efficiently, by not relying on the ERP to handle price calculations.

SUBMISSIONS

Submission calls to the Infor SX.e APIs allows Insite to place orders into SX.e from the eCommerce site. If orders can be placed on the eCommerce site using credit cards, Insite will submit the necessary credit card authorization information into SX.e in order for the ERP to capture funds against the credit card transaction executed by Insite. If an implementation allows for Customer and/or Ship-To records to be created and/or edited on the site, the APIs also are used to update the ERP.

An Infor SX.e Integration is one of many B2B functionalities built natively into InsiteCommerce. Want to learn more? Visit www.insitesoft.com or call us at **1-866-746-0377**.

REAL-TIME CALLS

For implementations that require up-to-the-minute pricing and inventory data, Insite can also support real-time calls to the Infor SX.e APIs. To ensure a performant site experience, the Insite architecture will start rendering a page at the same time a price call is made to the API, and fill in the price & inventory after it has been returned from the API.

If taxes need to be calculated on the site, Insite will make a real-time call to the Infor SX.e APIs in order to obtain a tax quote on the order. This tax amount is shown to the user so that they are aware of the tax amount that will be applied to their order.

Real-time calls are often made to a third-party payment gateway if the eCommerce site accepts credit cards as a form of payment. Insite will make a real-time call to the payment gateway interface, securely submitting the user's credit card information for processing. Upon a successful response, Insite will submit the order into SX.e, passing the necessary payment gateway transaction information into the ERP. This enables SX.e to execute a transaction to capture the necessary funds when the order is shipped.

CONCLUSION

With InsiteConnect for SX.e, companies can quickly bring to market a fully-integrated and feature-rich eCommerce site with minimal effort. It ensures that the critical ERP data and business rules are reflected within the eCommerce site.

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