

Enterpristore - Ecommerce For Infor SX.e & CloudSuite



Infor SX.e & CloudSuite ERP is the most powerful system available for managing the complex demands of the distribution industry.

Infor ERP Distribution gives you unparalleled control in managing thousands of transactions, suppliers, and customers-while tracking tens of thousands, if not millions, of items.

Enterpristore Ecommerce is fully integrated with Infor ERP SX.e. and CloudSuite

Infor SX.e & CloudSuite 10 and 11 using REST and SOAP webservice with WSDL request/response in xml format. Detailed logs of all transactions.

SX.enterprise Configuration	
Title	
Enable SX.enterprise	
SX API URL	
SX API Authentication Username	
SX API Authentication Password	
SX Connection String	
SX User ID	
SX User Password	
Company #	
SX Namespace Prefix	
SX User Code	
Place Orders	
Order Status	
Orders on Hold	
Orders From Established Customers Only	
Get Live Prices	
Get Orders History	
Ping SX after Login	
Default Customer ID	
Default Warehouse ID	
Log SX API Calls	
Special Character Conversion	

Bi-directional flow of data between Enterpristore & Infor SX.e & CloudSuite depending on data type.

Customers

Real-time contract/customer-specific pricing from Infor ERP or Enterpristore.

Customers Shiptos - Sx.E id AND Ship to
Shiptos as separate customer accounts
Shiptos as subaccount
Customers Default Warehouse
Customer Restricted Products

Corporate Groups
Order Current Status
Order Tracking Number
Carrier Codes
Warehouses

Order History

Retrieves current open orders, current pre-orders and order history directly from Infor ERP or Enterpristore.

Open & Paid Invoices

Retrieves current open & closed invoices directly from Infor ERP or Enterpristore.

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Open Quotes

Retrieves current open quotes directly from Infor ERP or Enterpristore.

Ability to convert a quote into an order

Products Catalog

Real-time inventory and pricing information based on multiple warehouses.

Catalog Products

Catalog Products – Special Order

Kits

Purchased Together

Restricted Sales

Products with multi UOMs

Products Categories

Substitute Products

Interchange Products

Superseded Products

Companion Related Products

Customer Products

Upgrade Products

Optional Products

Presell Products

Products Price

Products Price Breaks

Products List Breaks

Products Inventory

Products Inventory per Warehouse

Order Processing

Submits from Enterpristore shopping cart to Infor ERP to create orders or quotes or pre-orders for future sales.

CenPOS Payment Processing

Tokenize Customer Data – This allows for easy and flexible customer billing, as CenPOS converts payment data into a secure token for safe and convenient recurring billing of regular customers.

Preferred Optimized Installation

The primary data repository is Infor SX.e. Data uploaded and updated via Infor SX.e API to Web Based Ecommerce – Enterpristore. Data stored in MySQL / Maria Database on Solid State Drives.

Secondary Installation Method

The primary data repository is Infor SX.e. Data retrieved for each Ecommerce call directly from Infor SX.e server.

Enterpristore is configured

Amazon EC2 Auto Scaling ensures that your application always has the right amount of compute capacity.

Customers

Bi-directional data transfer

- New Customer Information Sent From Infor SX.e to Enterpristore
- New Customer Information Sent From Enterpristore to Infor SX.e

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Customers	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
<input type="checkbox"/> <input type="checkbox"/> Company	ID	SX ID		<input type="checkbox"/> <input type="checkbox"/> Email																	
James Louderback	6707	199807		199807@southernhobby.com																	

Php Scripts using the SX.e API running on Cron jobs

Enterpristore Script

sx_add_new_customers.php - Imports non-existing customers from Infor SX.e to Enterpristore.

sx_update_customers.php - Updates Customers Address Information Infor SX.e to Enterpristore.

Infor SX.e API Call

ARGetCustomerListV2 - This call will retrieve a list of Customer records (ARSC) based on a variety of selection criteria

ARGetCustomerDataGeneralRest - Get the remaining "general" fields for a given customer

Products

Single direction data transfer - From Infor SX.e to Enterpristore

- New Products found in Infor SX.e are retrieved from Enterpristore
- New / Changed Products are uploaded to special folder and set to inactive

Upload images (Image name is the product id and 400 x 400 pixels) to special folder in FTP.

Php Script Cron job run each night which takes the main images and parses it into three (3) sizes. The new images are copied over into their correct location on the site.

Products are made active or inactive from Infor SX.e via inventory and pricing updates.

Adventure Time CDU	
Top » Board Games » Alderac Entertainment	
Name & Description	Handling & Pricing
Inventory:	
Products Quantity:	132 show by warehouse 100 in Nashville (live) 10 in Chicago (live) 11 in New York (live) 11 in Reno (live)
Products Source:	<input checked="" type="radio"/> Live <input type="radio"/> Pre-Order
Group Access:	Guest <input checked="" type="radio"/> Show <input type="radio"/> Hide Taxable <input checked="" type="radio"/> Show <input type="radio"/> Hide Non Taxable <input checked="" type="radio"/> Show <input type="radio"/> Hide
Products Warehouses:	Nashville - St. Louis - Chicago - New York - Reno -

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Php Scripts using the SX.e API running on Cron jobs

Enterpristore Script

sx_add_new_products.php - Imports non-existing product records in Ecom from Infor SX.e. Stores them in "New From SX" category on website.

Infor SX.e API Call

ICGetWhseProductListV2 - Retrieves a set of Warehouse Products (ICSW) with price and cost information

Inventory and Pricing

Single direction data transfer - From Infor SX.e to Enterpristore

Product Inventory Gathered Real Time From Infor SX.e

Adventure Time CDU
Top » Board Games » Alderac Entertainment

Name & Description	Handling & Pricing	Product Images	Other Information
Inventory:			
Products Quantity:	132 <input type="text"/> show by warehouse		
	100 in Nashville <i>(live)</i>		
	10 in Chicago <i>(live)</i>		
	11 in New York <i>(live)</i>		
	11 in Reno <i>(live)</i>		
Products Source:	<input checked="" type="radio"/> Live <input type="radio"/> Pre-Order		
Group Access:	Guest <input checked="" type="radio"/> Show <input type="radio"/> Hide		
	Taxable <input checked="" type="radio"/> Show <input type="radio"/> Hide		
	Non Taxable <input checked="" type="radio"/> Show <input type="radio"/> Hide		
Products Warehouses:	<div style="border: 1px solid gray; padding: 2px;"> Nashville ▲ St. Louis Chicago New York Reno ▼ </div>		

- Product Pricing Sent to Enterpristore From Infor SX.e For Every Warehouse.
- Product Pricing Sent to Enterpristore From Infor SX.e For Every Customer.
- Product Pricing Sent to Enterpristore From Infor SX.e For Every Customer Group.

Php Scripts using the SXe API running on Cron jobs

Enterpristore Script

sx_update_all.php - Updates pricing.

Infor SX.e API Call

OE Pricing – This call is used to return the price for a given product for a given customer. The price, discount and quantity available will be returned.

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sx_update_warehouse.php - Updates inventory;

sx_update_warehouse2.php - Updates Presale Yes/No flag from SX. Imports Release Date, Orders Due Date and Qty Presold #

OE PricingMultiple – This call is used to return the price for a given product for a given customer for multiple products - OE PricingMultiple with specified <warehouse> field

ICGetWhseProductListV3 - Retrieves a set of Warehouse Products (ICSW) with additional fields and user fields

Order Processing

Bi-directional data transfer

Order Processing Information Sent From Infor SX.e to Enterpristore
Order Processing Information Sent From Enterpristore to Infor SX.e

Process Live and Pre-Orders

Orders Shipping Sent Directly To Infor SX.e as Order or Quote.
Single direction data transfer - From Enterpristore to Infor SX.e

Enterpristore Script

Before an Order is processed in Checkout– we have a final grab of inventory information and bind that inventory to the customer’s order.

sx_order_reprocess.php - to reprocess all unsuccessful orders later

Infor SX.e API Call

SFOEOrderTotLoadV4 - The order total transaction is run when the user is displayed the total amount of an order that would be created based on the current contents of the shopping cart.

Multi Warehouse / Multiple Order Type Shopping Cart

Shipment #1 - Nashville				
Live Order Items				
Item	Description	Quantity	Price	Total
	Abita Item # BL001700 Sold As: EACH Add to Frequently Purchased Save For Later	1	\$3.00	\$3.00
	Brave Bats Item # BL008800 Sold As: EACH Add to Frequently Purchased Save For Later	11	\$3.00	\$33.00
Pre-Order Items				
	2016 J7 Leaf Box of Baseball Item # LEA178W087 Sold As: BOX Add to Frequently Purchased Save For Later	1	\$214.00	\$214.00
	Hunt for the Ring Item # AHS0078012 Sold As: EACH Add to Frequently Purchased Save For Later	1	\$27.50	\$27.50
	2017 Topps Definitives Baseball Item # TP178B0EP Sold As: BOX Add to Frequently Purchased Save For Later	1	\$745.00	\$745.00
All pre-order products and quantities are subject to manufacturer availability and allocation. Please contact your Southern Hobby Supply representative for up to date information on the latest allocation. Subtotal Shipment #1: \$1,022.50				
UPDATE CART				
Shipment #2 - St. Louis				
Item	Description	Quantity	Price	Total
	L723 Rebellion Item # AYS0375 Sold As: EACH Add to Frequently Purchased Save For Later	1	\$35.00	\$35.00

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Order History

Single direction data transfer - From Infor SX.e to Enterpristore
Order History From Infor SX.e to Enterpristore

Home > My Account > Order History

My Order History

Manage Orders

- On this page, you can view all your Orders in real time
- You can filter Orders by Status or Date
- Your Orders are listed in descending order by date

Order Statuses

- Open: Order is still open in our system and has not been picked or shipped
- Picked: Order has been sent back to be picked and cannot be modified
- Shipped: Your order has been packed and processed through shipping
- Invoiced: Your order has been invoiced and is awaiting payment
- Paid: Your order has been paid for in full

Search by: P.O. # or Order #

Filter by Status: Filter by Date:

Date	Order #	Status	Order Total	
2017/08/16	10002244-00	Open	\$1,721.60	Details
2017/08/09	10002072-00	Shipped	\$0.00	Details
2017/08/04	10002052-00	Shipped	\$63.54	Details
2017/08/04	10002045-00	Shipped	\$0.00	Details
2017/08/04	10002026-00	Open	\$126.00	Details

Filter by Date:

- Prior Year
- This Year**
- Last 6 Months
- Last 90 Days
- Last 60 Days
- Last 30 Days
- Last 10 Days
- Last 5 Days

Filter by Status:

Order Total

- All Orders**
- Open
- Picked
- Shipped
- Invoiced
- Paid
- Cancelled

Order Details retrieved directly from Infor SX.e

Home > My Account > History > Order Information

Order Information

Order #10002244-00
Order Date: 2017/08/16
Order Status: Open

Order Total: \$1,721.60

Billing Address
Platform 42
300 RANDALL ST
STE E
GREER, SC 29651-3410

Shipping Address
Acme INC
JOHN DOE
123 MAIN ST
TEST, MD 12345

Description	Item #	Ordered	Backordered	Shipped	UM	Price	Net Amount
1 ARCHER BOXED ONCE YOU GO BLACKMAIL	AEGS118	1	0	1	each	\$6.60	\$6.60
2 DICE CITY	AEGS836	2	2	0	each	\$22.00	\$0.00
3 2015 BLACK BOX	AEGS838	1	0	1	each	\$15.00	\$15.00
4 EDWARD SCISSOR BISHOUQ	KBYSV145	25	0	25	each	\$68.00	\$1,700.00

4 Lines Total Qty Shipped Total: 27 Total: \$1,721.60

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Pre-Orders retrieved directly from Infor SX.e

Home » My Account » My Pre-Orders

My Pre-Orders

Manage Pre-Orders

- On this page, you can view all your Pre-Order products
- Your Pre-Order products are listed in chronological order by date
- To modify your Pre-Order quantities, please contact your sales rep

	Description	Item #	Qty	UM	Price
1	WHY FIRST	AEG5835	6	each	\$8.25
2	UP PRO BINDER FLIP RED/WHITE 4PKT PORTFOLIO	U/P4P84025	2	each	\$5.75
3	MTG HOUR OF DEVASTATION PLANESWALKER DECK	WCMGHOUJD	1	box	\$52.00
4	CARCASSONNE STAR WARS	ZMGSWC	2	each	\$22.00
5	12PKT COIN WALLET 1940	WHMRANC1315	1	each	\$1.30
6	18PKT COIN WALLET 1941	WHMRANC1316	1	each	\$1.65
7	24PKT COIN WALLET 1942	WHMRANC1317	1	each	\$1.95
8	CHAMPIONS OF MIDGARD EXP THE DARK MOUNTAINS	GFG96746	2	each	\$13.75
9	2017 TOPPS WWE HERITAGE	TP17WWEHER	1	box	\$65.00
10	UNEARTH	BGM013	6	each	\$19.25
11	2017/18 UPPER DECK MVP HK BLASTER	UD18HKMVPBL	99	box	\$10.50
11 Lines Total					Total: \$1,409.40

Disclaimer: All pre-order products and quantities are subject to manufacturer availability and allocation. Please contact your Southern Hobby Supply representative for up to date information on the latest allocation.

Enterpristore Scripts

Infor SX.e API Call

SFGetOEOrderDataV3 – This procedure returns information from the order header, order lines and order header extended amounts.

OEGetListofOrdersV4 – This call is used to obtain a list of order #'s for a given Customer/Ship To. We use it to retrieve orders by date range, status, order#, po#, etc.

Built into the My Accounts Order section

OEOrderDeleteOrCancel – Delete or cancel an order.

OEFullOrderMnt – Create or modify an order.

SASubmitReport – Submit a report for printing. We use it to email an order to customer.

ARGetCustomerBalance - This call is used to retrieve Accounts Receivable balance information for a given Customer (ARSC) or Ship To (ARSS).

CenPOS Payment Processing – PCI Certified

CenPOS delivers the most secure and seamless cloud-based omni-channel payment solutions in the marketplace. Fully integrated with Infor Distribution ERP's, CenPOS delivers the end-to-end payment capabilities in today's fast-track age of commerce demands

Enterpristore - Ecommerce For Infor SX.e & CloudSuite

- **Payment Processing** - One-time sales and recurring billing on the web and within call centers.
- **Unmatched Security** - Ensure that sensitive information is never transmitted or stored within your system to protect against costly data security breaches.
- **Tokenize Customer Data** - This allows for easy and flexible customer billing, as CenPOS converts payment data into a secure token for safe and convenient recurring billing of regular customers.

Card Number* Zip*

Expiration Date*
mm yy

Cardholder Name*

Amount*

CVV*

SX.e & CloudSuite and Enterpristore Transaction Log

We maintain a log of every transaction with Infor SX.e .

Everything that is processed or failed is logged for easy debugging. The log can be viewed as a text or xml file.

```

2007-08-08 23:08:55 - PingContent-Type: text/xml; charset=utf-8SOAPAction: http://tempuri.org/ServiceShared/Pingom Request: <html version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:com="http://schemas.datacontract.org/2004/07/Infor.SXAPI.Ping">
  <soap:Header/>
  <soap:Body/>
    <Ping xmlns="http://tempuri.org/">
      <callconnection>
        <con:companyId>7000</con:companyId>
        <con:connectionString>appServer://sh-erp.southernhobby.local:5162/sxapiappsvr/con:ConnectionString
        <con:domainIdentifier />
        <con:operatorInitials>keys</con:operatorInitials>
        <con:operatorPassword></con:operatorPassword>
        <con:statelessAppServer>false</con:statelessAppServer>
      </callconnection>
      <request>
        <req:inputString>testPingString</req:inputString>
      </request>
    </Ping>
  </soap:Body>
</soap:Envelope>
Response: <Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/"><body><PingResponse xmlns="http://tempuri.org/"><PingResult
xmlns="http://schemas.datacontract.org/2004/07/Infor.SXAPI.Ping" xmlns:com="http://www.w3.org/2002/XMLSchema-Instance"><errorMessage><!--OutputString: sxapi
Returning: testPingString--></outputString></PingResult></body></Envelope>
Time spent: 0.4864865 seconds-----2007-08-08
12:28:58 - PingContent-Type: text/xml; charset=utf-8SOAPAction: http://tempuri.org/ServiceShared/Pingom Request: <html version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:com="http://schemas.datacontract.org/2004/07/Infor.SXAPI.Ping">
  <soap:Header/>
  <soap:Body/>

```