

# Enterpristore - Ecommerce For Infor SX.e

## Website

[www.enterpristore.com/](http://www.enterpristore.com/)



## Demonstration Site

[www.enterpristore.info/](http://www.enterpristore.info/)



## Demonstration Admin Login

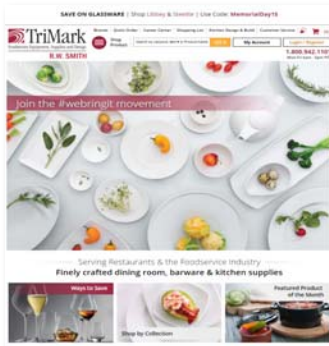
[www.enterpristore.info/adminui](http://www.enterpristore.info/adminui)  
a@a.com - 1



## Infor SX.e References

### RW Smith

[www.rwsmithco.com/](http://www.rwsmithco.com/)



### Marlo Beauty

[www.marlobeauty.com/](http://www.marlobeauty.com/)



### Southern Hobby

[www.southernhobby.com](http://www.southernhobby.com)



## Enterpristore - Ecommerce For Infor SX.e



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

Infor Distribution SX.e 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 SX.e.

Infor SX.e 10 and 11 using 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 depending on data type.

- **Customers** - Real-time contract/customer-specific pricing from Infor SX.e or Enterpristore.
- **Order History** - Retrieves current open orders, current pre-orders and order history directly from Infor SX.e or Enterpristore.
- **Products Catalog** - Realtime inventory and pricing information based on multiple warehouses.
- **Order Processing** - Submits from Enterpristore shopping cart to Infor SX.e 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.

## Enterpristore - Ecommerce For Infor SX.e

### Preferred Optimized Installation

- 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

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

## 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

Customers			
<input type="checkbox"/> Company	ID	SX ID	<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

## Enterpristore - Ecommerce For Infor SX.e

### 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	Product Images	Other Information
<b>Inventory:</b>			
Products Quantity:	132	<a href="#">show by warehouse</a>	
	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:	<div style="border: 1px solid gray; padding: 2px;">           Nashville ▲            St. Louis            Chicago            New York            Reno ▼         </div>		

### 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

## Enterpristore - Ecommerce For Infor SX.e

### 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
<b>Inventory:</b>			
Products Quantity:	<input type="text" value="132"/> <a href="#">show by warehouse</a> <b>100</b> in Nashville <i>(live)</i> <b>10</b> in Chicago <i>(live)</i> <b>11</b> in New York <i>(live)</i> <b>11</b> 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:	Nashville ▲ St. Louis Chicago New York Reno ▼		

- 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.

**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 #

#### 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.

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

**IC Get Whse Product List V3** - Retrieves a set of Warehouse Products (ICSW) with additional fields and user fields

# Enterpristore - Ecommerce For Infor SX.e

## 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	Remove
	<b>Attila</b> Item # BLG01700 Sold As: EACH <a href="#">Add to Frequently Purchased</a> <a href="#">Save For Later</a>	1	\$3.00	\$3.00	<input type="checkbox"/>
	<b>Brave Rats</b> Item # BLG00800 Sold As: EACH <a href="#">Add to Frequently Purchased</a> <a href="#">Save For Later</a>	11	\$3.00	\$33.00	<input type="checkbox"/>


**Pre-Order Items**

Item	Description	Quantity	Price	Total	Remove
	<b>2016/17 Leaf Best of Baseball</b> Item # LEA17BKBST Sold As: BOX <a href="#">Add to Frequently Purchased</a> <a href="#">Save For Later</a>	1	\$214.00	\$214.00	<input type="checkbox"/>
	<b>Hunt for the Ring</b> Item # AREWOTR012 Sold As: EACH <a href="#">Add to Frequently Purchased</a> <a href="#">Save For Later</a>	1	\$27.50	\$27.50	<input type="checkbox"/>
	<b>2017 Topps Definitive Baseball</b> Item # TP17BBDEF Sold As: BOX <a href="#">Add to Frequently Purchased</a> <a href="#">Save For Later</a>	1	\$745.00	\$745.00	<input type="checkbox"/>

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	Remove
	<b>1775 Rebellion</b> Item # AVG5375 Sold As: EACH <a href="#">Add to Frequently Purchased</a> <a href="#">Save For Later</a>	1	\$35.00	\$35.00	<input type="checkbox"/>

# Enterpristore - Ecommerce For Infor SX.e

## 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:  or

Filter by Status:  Filter by Date:

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

Filter by Date:

- This Year
- 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:

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

**Order Total**

## 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

<b>Billing Address</b> Platform 42 300 RANDALL ST STE E GREER, SC 29651-3410	<b>Shipping Address</b> 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	<a href="#">AEGS118</a>	1	0	1	each	\$6.60	\$6.60
2 DICE CITY	<a href="#">AEGS836</a>	2	2	0	each	\$22.00	\$0.00
3 2015 BLACK BOX	<a href="#">AEGS838</a>	1	0	1	each	\$15.00	\$15.00
4 EDWARD SCISSOR BISHOUJO	<a href="#">KBYSV145</a>	25	0	25	each	\$68.00	\$1,700.00
<b>4 Lines Total</b>				<b>Qty Shipped Total: 27</b>			<b>Total: \$1,721.60</b>



# Enterpristore - Ecommerce For Infor SX.e

## 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	<a href="#">WHY FIRST</a>	AEG5835	6	each	\$8.25
2	<a href="#">UP PRO BINDER FLIP RED/WHITE 4PKT PORTFOLIO</a>	ULP4P84025	2	each	\$5.75
3	<a href="#">MTG HOUR OF DEVASTATION PLANESWALKER DECK</a>	WCMGHOUPTD	1	box	\$52.00
4	<a href="#">CARCASSONNE STAR WARS</a>	ZMG5WC	2	each	\$22.00
5	<a href="#">12PKT COIN WALLET 1940</a>	WHMRANC1315	1	each	\$1.30
6	<a href="#">18PKT COIN WALLET 1941</a>	WHMRANC1316	1	each	\$1.65
7	<a href="#">24PKT COIN WALLET 1942</a>	WHMRANC1317	1	each	\$1.95
8	<a href="#">CHAMPIONS OF MIDGARD EXP THE DARK MOUNTAINS</a>	GFG96746	2	each	\$13.75
9	<a href="#">2017 TOPPS WWE HERITAGE</a>	TP17WWEHER	1	box	\$65.00
10	<a href="#">UNEARTH</a>	BGM013	6	each	\$19.25
11	<a href="#">2017/18 UPPER DECK MVP HK BLASTER</a>	UD18HKMVPBL	99	box	\$10.50
<b>11 Lines Total</b>					<b>Total: \$1,409.40</b>

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.

**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).

**Built into the My Accounts Order section**

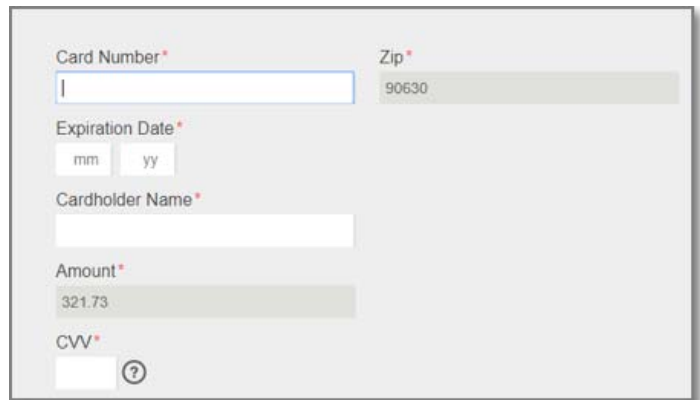


## Enterpristore - Ecommerce For Infor SX.e

### 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

- **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\* 90630

Expiration Date\*  
mm yy

Cardholder Name\*

Amount\*  
321.73

CVV\*  ?

### SX.e 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.

```
2017-08-07 23:08:55 - PingContent-Type: text/xml; charset=utf-8SOAPAction: http://tempuri.org/IServicesShared/PingXML Request:<xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://schemas.datacontract.org/2004/07/Infor.SXAPI.connection"
xmlns:req="http://schemas.datacontract.org/2004/07/Infor.SXAPI.Ping">
  <soapenv:Header/>
  <soapenv:Body/>
    <Ping xmlns="http://tempuri.org/">
      <callconnection>
        <con:CompanyNumber>7888</con:CompanyNumber>
        <con:ConnectionStringAppServer>://sfs-erp.southernhobby.local:5182/skapiappsvr</con:ConnectionString>
        <con:DomainIdentifier />
        <con:OperatorInitials>S</con:OperatorInitials>
        <con:OperatorPassword></con:OperatorPassword>
        <con:StateFreeAppServer>false</con:StateFreeAppServer>
      </callconnection>
      <request>
        <req:InputString>TestPingString</req:InputString>
      </request>
    </Ping>
  </soapenv:Body>
</soapenv:Envelope>XML Response: <Envelope xmlns:sa="http://schemas.xmlsoap.org/soap/envelope/"><Body><PingResponse xmlns="http://tempuri.org/"><PingResult
xmlns:sa="http://schemas.datacontract.org/2004/07/Infor.SXAPI.Ping" xmlns:si="http://www.w3.org/2001/XMLSchema-instance"><sa:Errors><sa:OutputString>sa:si
Returning: TestPingString</sa:OutputString></PingResult></Body></si:Envelope></PingResponse></Body></Envelope></sa:PingResponse></sa:OutputString>sa:si
12:28:30 - PingContent-Type: text/xml; charset=utf-8SOAPAction: http://tempuri.org/IServicesShared/PingXML Request:<xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://schemas.datacontract.org/2004/07/Infor.SXAPI.connection"
xmlns:req="http://schemas.datacontract.org/2004/07/Infor.SXAPI.Ping">
  <soapenv:Header/>
  <soapenv:Body/>
```