Enterpristore - Ecommerce for Infor FACTS

INFOR

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

Infor Distribution FACTS 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 FACTS

Infor FACTS using Rest or Soap webservices with WSDL request/response in xml format. Detailed logs of all transactions.

Infor ERP Configuration (Cloudsuite, SX.e, FACTS)

Title	Value
Enable Infor ERP	True
API URL	https://mingle-ionapi.inf
API Authentication Username	
API Authentication Password	
Connection String	
User ID	sys
User Password	
Company #	1
Namespace Prefix	
User Code	
Get Totals	True
Place Orders	True
Order Status	
Orders on Hold	False
Orders Prevent Double Freight	False
Orders Send Rebates	False
Orders From Established Customers Only	False
Get Live Prices	True
Get Orders History	True
Ping after Login	True
Default Customer ID	1000
Default Warehouse ID	01
Skip SSL Verification	false
Log API Calls	true
Special Character Conversion	&=>and,@=>at

Bi-directional flow of data between Enterpristore & Infor FACTS depending on data type.

- **Customers** - Real-time contract/customer-specific pricing from Infor FACTS or Enterpristore.

- **Order History** - Retrieves current open orders, current pre-orders and order history directly from Infor FACTS or Enterpristore.

- **Products Catalog** - Realtime inventory and pricing information based on multiple warehouses.

- **Order Processing** - Submits from Enterpristore shopping cart to Infor FACTS to create orders or quotes or pre-orders for future sales.

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- **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
- Primary data repository is Infor FACTS.
- Data uploaded and updated via Infor FACTS API to Web Based Ecommerce – Enterpristore.
- Data stored in MySQL / Maria Database on Solid State Drives.

Secondary Installation Method
- Primary data repository is Infor FACTS.
- Data retrieved for each Ecommerce call directly from Infor FACTS server.

Customers

Bi-directional data transfer

- New Customer Information Sent From Infor FACTS to Enterpristore
- New Customer Information Sent From Enterpristore to Infor FACTS

Customers		A B C D E F G H I J K L M N O P Q R S T U
Company	**ID**	**SX ID**	**Email**
James Louderback	6707	199807	199807@southernhobby.com

Php Scripts using the FACTS API running on Cron jobs

Enterpristore Script	Infor FACTS API Call
facts_add_new_customers.php - Imports non-existing customers from Infor FACTS to Enterpristore.	**ARGetCustomerListV2 -** This call will retrieve a list of Customer records (ARSC) based on a variety of selection criteria
facts_update_customers.php - Updates Customers Address Information Infor FACTS to Enterpristore.	**ARGetCustomerDataGeneralRest** - Get the remaining "general" fields for a given customer

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Products

Single direction data transfer - From Infor FACTS to Enterpristore

- New Products found in Infor FACTS 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 FACTS via inventory and pricing updates.
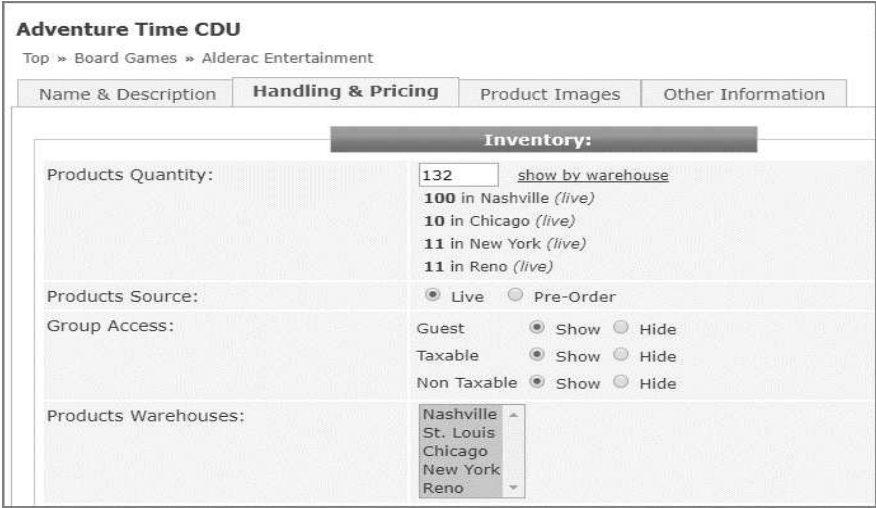

Php Scripts using the FACTS API running on Cron jobs

Enterpristore Script	Infor FACTS API Call
facts_add_new_products.php - Imports non-existing product records in Ecom from Infor FACTS. Stores them in "New From SX" category on website.	**ICGetWhseProductListV2** - Retrieves a set of Warehouse Products (ICSW) with price and cost information

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Inventory and Pricing

Single direction data transfer - From Infor FACTS to Enterpristore
Product Inventory Gathered Real Time From Infor FACTS

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

Php Scripts using the FACTS API running on Cron jobs

Enterpristore Script	Infor FACTS API Call
facts_update_all.php - Updates pricing.	**OEPricing** – 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.
facts_update_warehouse.php - Updates inventory;	**OEPricingMultiple** – This call is used to return the price for a given product for a given customer for multiple products - OEPricingMultiple with specified <warehouse> field
facts_update_warehouse2.php - Updates Presale Yes/No flag from SX. Imports Release Date, Orders Due Date and Qty Presold #	**ICGetWhseProductListV3** - Retrieves a set of Warehouse Products (ICSW) with additional fields and user fields

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Order Processing

Bi-directional data transfer
Order Processing Information Sent From Infor FACTS to Enterpristore
Order Processing Information Sent From Enterpristore to Infor FACTS

Process Live and Pre-Orders
Orders Shipping Sent Directly To Infor FACTS as Order or Quote.
Single direction data transfer - From Enterpristore to Infor FACTS

Enterpristore Script	Infor FACTS API Call
Before an Order is processed in Checkout– we have a final grab of inventory information and bind that inventory to the customer's order. **facts_order_reprocess.php** - to reprocess all unsuccessful orders later	**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

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Order History

Single direction data transfer - From Infor FACTS to Enterpristore
Order History From Infor FACTS 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 #   GO

Filter by Status: All Orders ▼   Filter by Date: Last 30 Days ▼

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: 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 ▼
Order Total
- All Orders
- Open
- Picked
- Shipped
- Invoiced
- Paid
- Cancelled

Order Details retrieved directly from Infor FACTS

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   **Shipping Address**
Platform 42   Acme Inc
300 RANDALL ST   JOHN DOE
STE E   123 MAIN ST
GREER, SC 29651-3410   TEST, MD 12345

	Description	Item #	Ordered	Backordered	Shipped	UM	Price	Net Amount
1	ARCHER BOXED ONCE YOU GO BLACKMAIL	AEG5118	1	0	1	each	$6.60	$6.60
2	DICE CITY	AEG5836	2	2	0	each	$22.00	$0.00
3	2015 BLACK BOX	AEG5838	1	0	1	each	$15.00	$15.00
4	EDWARD SCISSOR BISHOUJO	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 FACTS

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	ULP4P84025	2	each	$5.75
3	MTG HOUR OF DEVASTATION PLANESWALKER DECK	WCMGHOUPD	1	box	$52.00
4	CARCASSONNE STAR WARS	ZMGSWC	2	each	$22.00
5	12PKT COIN WALLET 1940	WHM8ANC1315	1	each	$1.30
6	18PKT COIN WALLET 1941	WHM8ANC1316	1	each	$1.65
7	24PKT COIN WALLET 1942	WHM8ANC1317	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 FACTS API Call
Built into the My Accounts Order section	**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).

CenPOS Payment

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.

FACTS and Enterpristore Transaction Log

We maintain a log of every transaction with Infor FACTS .

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/IServiceShared/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/NxT_API.com.infor.sxapi.connection" xmlns:req="http://schemas.datacontract.org/2004/07/NxT_API.com.infor.sxapi.Ping">
    <soapenv:Header/>
    <soapenv:Body>
      <Ping xmlns="http://tempuri.org/">
        <callConnection>
          <con:CompanyNumber>7000</con:CompanyNumber>
          <con:ConnectionString>AppServer://shs-erp.southernhobby.local:5162/sxapiappsrv</con:ConnectionString>
          <con:DomainIdentifier />
          <con:OperatorInitials>sys</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:<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/"><s:Body><PingResponse xmlns="http://tempuri.org/"><PingResult xmlns:a="http://schemas.datacontract.org/2004/07/NxT_API.com.infor.sxapi.Ping" xmlns:i="http://www.w3.org/2001/XMLSchema-instance"><a:ErrorMessage/><a:OutputString>sxapi Returning: TestPingString</a:OutputString></PingResult></PingResponse></s:Body></s:Envelope>Time spent: 0.40568995 seconds-------------------------------------2017-08-08 12:28:30 - PingContent-Type: text/xml; charset=utf-8SOAPAction: http://tempuri.org/IServiceShared/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/NxT_API.com.infor.sxapi.connection" xmlns:req="http://schemas.datacontract.org/2004/07/NxT_API.com.infor.sxapi.Ping">
    <soapenv:Header/>