SYSPRO POS API

Table of Contents

SYSPRO POS e-commerce API

The SYSPRO POS e-commerce solution offers SYSPRO integration for:

1. Clients requiring a new E-Commerce website;
2. Clients who already have an existing website and would like to integrate to SYSPRO.

This solution provides integration functionality through a server based component which allows for the standardization of processes, practices and logic, allowing for a complete separation from the user interface. This allows for complete freedom of design without logic dictating limitations on the user experience and the website's performance.

The e-commerce API utilizes the SYSPRO Point of Sale module's functionality in order to provide an e-commerce system which integrates directly into the SYSPRO retail infrastructure allowing for efficient and cost-effective retail operations in both virtual and real world spaces which can communicate in near real-time.

This allows e-commerce functionality to follow Point Of Sale transactions resulting in consistency across inventory management, transaction processing and financial management enabling the e-commerce website to operate according to business rules and practices that have already been established and configured.

It encapsulates the business integration layer making it easy for development companies to integrate without having to understand SYSPRO and how to integrate to it. The API architecture makes use of JSON (Java Script Object Notation) and Web API (.net framework for http services and RESTful applications) which makes it language independent and properly componentized to provide flexibility and control to developers.

Benefits

1. Effortless & real-time ERP integration to your e-commerce site;
2. Cached information to provide fast e-commerce user experience;
3. Omni-channel consumer experience (http://omnichannel.me/what-is-omnichannel/):
   a. In-store Point of Sale;
   b. E-commerce site;
   c. In-store browsing (self-service) terminals;
4. Customers are not constrained to development companies that understand SYSPRO integration. Customers can select a web development company that specializes in web design & e-commerce to provide the website and user experience the customer requires AND have the invaluable benefit of real-time integration to their ERP

Architecture Overview

Architecture overview
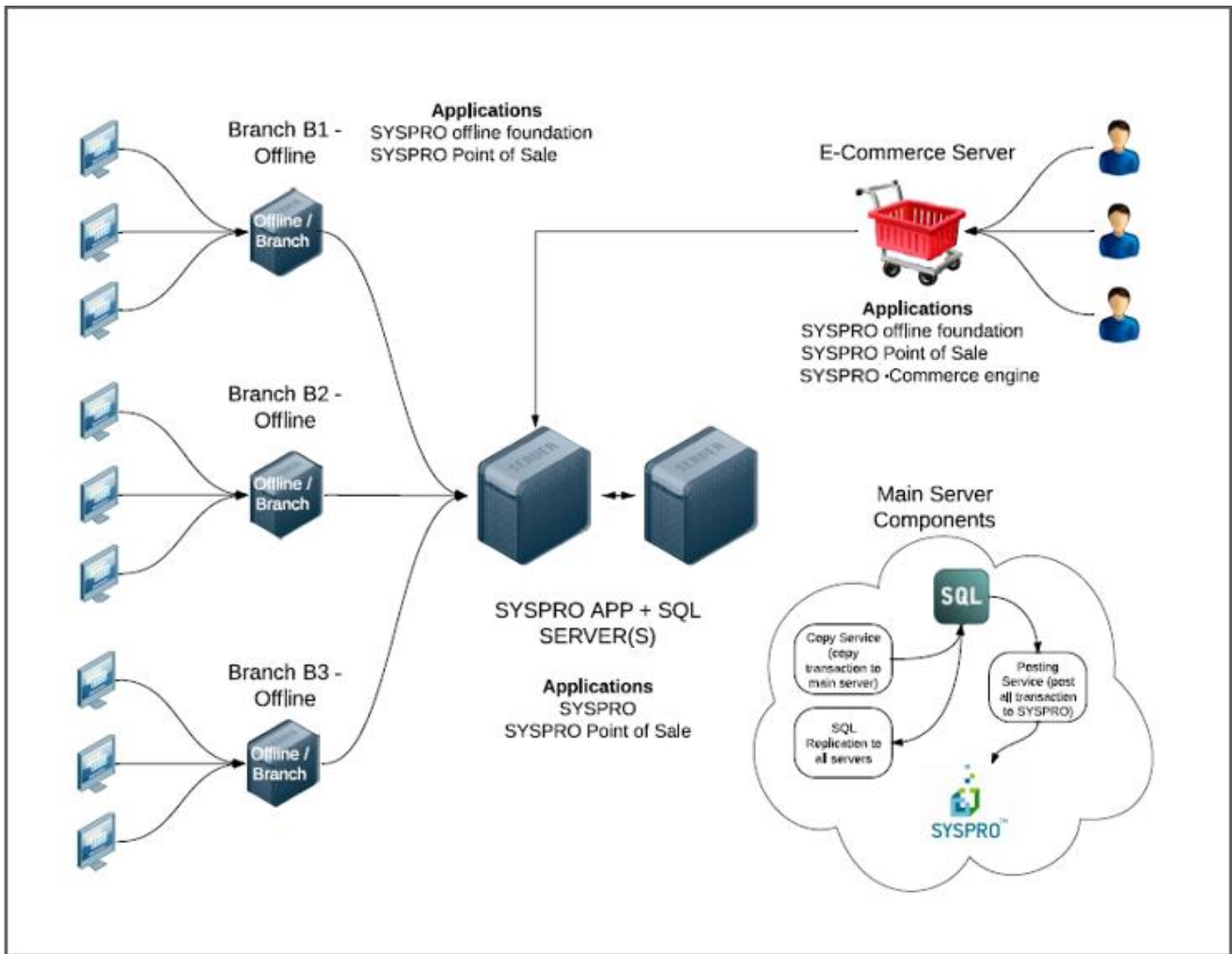
As illustrated in the diagram above, the e-commerce API leverages off the Point of Sale architecture. The e-commerce server is seen as just another offline branch server so when sales are posted on the e-commerce server, it does it using the Point of Sale offline architecture.

In addition to Point of Sale being installed on the e-commerce server, the SYSPRO e-commerce engine is also installed on the e-commerce server.

The e-commerce API engine leverages off the Point of Sale architecture. It has been developed specifically around e-commerce being mindful of the user experience and the need to be able to retrieve data quickly. In an e-commerce environment you typically have multiple stock items being displayed on a single page. In order to retrieve all the required information from SYSPRO about the stock item, a business object call is made which returns stock price, quantity etc. back from SYSPRO. Whilst this is an efficient process, there is a time component added for every business object call made to SYSPRO. In an e-commerce environment if you are displaying say 30 stock codes on a page, you don't want the overhead of having to call the business object 30 times. To prevent any time delay in retrieving information, the e-commerce engine has a built in caching mechanism which pre-loads all required stock and category information into memory making it instantly available via the API calls. Below is a brief description on how the engine works

1. The e-commerce engine runs as a self-hosting service. On startup it will load all pre-defined category and stock information;
2. It will make all the business object calls for all the stock items linked to the categories and load it into cache;
3. From that point, when the category or product API's are called, it will access the information loaded in the cash allowing instant data access;
4. Currently the cache is only refreshed when the windows service starts so it should be configured to restart at least once a day to reload and refresh the information accordingly. Future versions will allow built in configuration of intervals without effecting the current cache.

It is a requirement that categories are defined and maintained in Point of Sale. These can be flagged as e-commerce only in order to provide for a separate structure for customer stores and customer e-commerce site if required.

Since all transactions are being posted through the point of sale branch that has been configured for e-commerce, customers also have the benefit of using the EOD functionality to post the information to SYSPRO as normally would be the process in your physical stores.

Customers

The Customer API endpoints allow you to query, add and update SYSPRO customers. All the customer functions interact with SYSPRO directly on the main server so if the lines to the main server are down, you will not be able to access any of these functions.

The following functions are available

- GetCustomer
- GetCustomerDefaults
- CreateCustomer
- UpdateCustomer

GetCustomer

This will query the SYSPRO customer for the specified customer code

Title	GetCustomer
URL	http://localhost:10281/api/Customer/?customer={CustomerCode}
Method	GET
URL Parameters	<table><tr><th>Parameter</th><th>Type</th><th>Description</th></tr><tr><td>customer</td><td>String</td><td>This is the SYSPRO customer code you want to query.</td></tr></table>
Data Parameters	None

Success Response	`{`
	`   "ReturnResult": {JSON return object},`
	`   "ErrorMessage": null`
	
	`}`
	
	Refer to GetCustomerOutput.json and GetCustomerOutput-schema.json files provided

Error Response	`{`
	`   "ReturnResult": null,`
	`   "ErrorMessage": {Detail of error returned}`
	`}`

Sample Call	Refer to POSTMAN collection

GetCustomerDefaults

This will query the SYSPRO customer defaults for the specified customer code. This is required when adding customers as they are mandatory fields when adding. The defaults are setup for the specified branch and returned here to use when adding.

Title	GetCustomerDefaults
URL	http://localhost:10281/api/Customer/
Method	GET
URL Parameters	None
Data Parameters	None
Success Response	```{ "ReturnResult": {JSON return object}, "ErrorMessage": null }``` Refer to GetCustomerDefaultsOutput.json and GetCustomerDefaultsOutput-schema.json files provided
Error Response	```{ "ReturnResult": null, "ErrorMessage": {Detail of error returned} }```
Sample Call	Refer to POSTMAN collection

CreateCustomer

This will create a SYSPRO customer and return the customer code for the new customer. This code can then be used to query and update customers going forward.

Title	CreateCustomer
URL	http://localhost:10281/api/Customer/
Method	POST
URL Parameters	None
Data Parameters	Refer to CreateCustomerInput.json and CreateCustomerInput -schema.json files provided

Success Response	`{`
	`  "ReturnResult": {Customer Code created},`
	`  "ErrorMessage": null`
	`}`
	
	Refer to CreateCustomerOutput.json and CreateCustomerOutput-schema.json files provided

Error Response	`{`
	`  "ReturnResult": null,`
	`  "ErrorMessage": {Detail of error returned}`
	`}`

Sample Call	Refer to POSTMAN collection

UpdateCustomer

This will update a SYSPRO customer for the specified customer code.

Title	UpdateCustomer
URL	http://localhost:10281/api/Customer/
Method	PUT
URL Parameters	None
Data Parameters	Refer to UpdateCustomerInput.json and UpdateCustomerInput -schema.json files provided
Success Response	```{ "ReturnResult": {Customer Code updated}, "ErrorMessage": null } ``` Refer to UpdateCustomerOutput.json and UpdateCustomerOutput-schema.json files provided
Error Response	```{ "ReturnResult": null, "ErrorMessage": {Detail of error returned} } ```
Sample Call	Refer to POSTMAN collection

Categories

The Category API endpoints allow you to query the category hierarchy define in SYSPRO Point of Sale for ecommerce.

The following functions are available

- GetAllCategories
- GetSpecificCategory

GetAllCategories

This returns a full category hierarchy which includes root categories, sub categories and linked stock codes.

Title	GetAllCategories
URL	http://localhost:10281/api/Category
Method	GET
URL Parameters	None
Data Parameters	None

Success Response	`{`
	`   {JSON return object}`
	`}`
	
	JSON schema files still to be defined

Error Response	`{`
	`   {Detail of error returned}`
	`}`

Sample Call	Refer to POSTMAN collection

GetSpecificCategory

Returns sub categories and linked products for a specified category

Title	GetSpecificCategory		
URL	http://localhost:10281/api/Category?id={CategoryId}		
Method	GET		
URL Parameters	Parameter	Type	Description
	CategoryId	GUID	This is the category ID being queried.
Data Parameters	None		

Success Response	{
	   {JSON return object}
	}
	
	JSON schema files still to be defined		

Error Response	{
	   {Detail of error returned}
	}		

Sample Call	Refer to POSTMAN collection		

Products

The Product API endpoints return all product information for the linked stock codes. Some of the information returned for each stock code is a list of categories the stock code belongs to, warehouse and quantities available, price information, price code information, image information etc…

The following functions are available

- GetAllProducts
- GetSpecificProduct
- GetAllProductsForCategory

GetAllProducts

This returns a list of ALL stock codes that are enabled for ecommerce

Title	GetAllProducts
URL	http://localhost:10281/api/Product/
Method	GET
URL Parameters	None
Data Parameters	None

Success Response	{
	  {JSON return object}
	}
	
	Refer to GetProductOutput.json and GetProductOutput-schema.json

Error Response	{
	  {Detail of error returned}
	}

Sample Call	Refer to POSTMAN collection

GetSpecificProduct

This returns all the product information for the specified product, it will also return a list

categories that this product may belong to.

Title	GetSpecificProduct
URL	http://localhost:10281/api/Product/?product=A100
Method	GET
URL Parameters	<table><tr><th>Parameter</th><th>Type</th><th>Description</th></tr><tr><td>product</td><td>String</td><td>This is the specific product you are querying. It must be a valid SYSPRO stock code</td></tr></table>
Data Parameters	None

Success Response	``{``
	``   {JSON return object}``
	``}``
	Refer to GetProductOutput.json and GetProductOutput-schema.json

Error Response	``{``
	``   {Detail of error returned}``
	``}``

Sample Call	Refer to POSTMAN collection

GetAllProductsForCategory

Returns a list of all products and associated information for a specified category

Title	GetAllProductsForCategory
URL	http://localhost:10281/api/Product/?categoryId={CategoryId}
Method	GET
URL Parameters	

Parameter	Type	Description
categoryId	String	This is the specific category id that you want to return a list of products for.

Data Parameters	None

Success Response	`{`
	`   {JSON return object}`
	`}`
	
	Refer to GetProductOutput.json and GetProductOutput-schema.json

Error Response	`{`
	`   {Detail of error returned}`
	`}`

Sample Call	Refer to POSTMAN collection

Cart

The Cart API endpoints control cart creation and maintenance. The Cart information returned will include all order totals, discounts and tax information calculated for the cart being built. This ensures that the information displayed to the user is calculated correctly according to the tax, discount and rounding information setup in SYSPRO to ensure the payment taken is the same value the invoice will be when posted to SYSPRO.

Creating and maintaining cart's leverages the offline architecture so it will operate regardless of whether you are connected to the main SYSPRO server or not.

The following functions are available

- Querying Carts
    - GetCart
- Creating Carts
    - CreateCart
    - UpdateCartHeader
    - AddProductToCart
    - UpdateCartProduct
    - DeleteCartProduct
    - AddCartOtherDetail
    - DeleteCart
- Syncing order numbers
    - UpdateCartHeaderExtraInfo

GetCart

This will return the cart details and totals for the specified cart.

Title	GetCart
URL	http://localhost:10281/api/CartHeader/?transactionId={CartId}
Method	GET
URL Parameters	<table><tr><th>Parameter</th><th>Type</th><th>Description</th></tr><tr><td>transactionId</td><td>GUID</td><td>This is the cart ID for the cart number you wish to query</td></tr></table>
Data Parameters	None

Success Response	`{`
	`   {JSON return object}`
	`}`
	
	Refer to GetCartOutput.json and GetCartOutput-schema.json files provided

Error Response	`{`
	`   {Detail of error returned}`
	`}`

Sample Call	Refer to POSTMAN collection

CreateCart

This will create a cart

Title	CreateCart
URL	http://localhost:10281/api/CartHeader/
Method	POST
URL Parameters	None
Data Parameters	Refer to CreateCartInput.json and CreateCartInput-schema.json files provided

Success Response	`{`
	`   {JSON return object}`
	`}`
	
	Refer to GetCartOutput.json and GetCartOutput-schema.json files provided

Error Response	`{`
	`   {Detail of error returned}`
	`}`

Sample Call	Refer to POSTMAN collection

UpdateCartHeader

This will update the cart header information.

Title	UpdateCartHeader
URL	http://localhost:10281/api/CartHeader/
Method	PUT
URL Parameters	None
Data Parameters	Refer to UpdateCartHeaderInput.json and UpdateCartHeaderInput-schema.json files provided

Success Response	{
	   {JSON return object}
	 }
	 Refer to GetCartOutput.json and GetCartOutput-schema.json files provided

Error Response	{
	   {Detail of error returned}
	 }

Sample Call	Refer to POSTMAN collection

AddProductToCart

This will allow you to add an item to a cart.

Title	AddProductToCart
URL	http://localhost:10281/api/CartDetail?transactionId={CartId}&stockCode={stockCode} &orderQty={quantity}&lineNumber={line}
Method	POST
URL Parameters	<table><tr><th>Parameter</th><th>Type</th><th>Description</th></tr><tr><td>transactionId</td><td>GUID</td><td>This is the cart number you want to add the stock line to.</td></tr><tr><td>stockCode</td><td>String</td><td>This is the SYSPRO stock code you are adding to the line</td></tr><tr><td>orderQty</td><td>Numeric</td><td>This is the quantity of the stock code being ordered for the line</td></tr><tr><td>lineNumber</td><td>String</td><td>Line number you are adding</td></tr></table>
Data Parameters	None

Success Response	{
	   `{JSON return object}`
	}
	
	Refer to GetCartOutput.json and GetCartOutput-schema.json files provided

Error Response	{
	   `{Detail of error returned}`
	}

Sample Call	Refer to POSTMAN collection

UpdateCartProduct

This will update a specified cart line.

Title	UpdateCartProduct
URL	http://localhost:10281/api/CartDetail/
Method	PUT
URL Parameters	None
Data Parameters	Refer to UpdateCartProductInput.json and UpdateCartProductInput-schema.json files provided

Success Response	{
	   {JSON return object}
	}
	
	Refer to GetCartOutput.json and GetCartOutput-schema.json files provided

Error Response	{
	   {Detail of error returned}
	}

Sample Call	Refer to POSTMAN collection

DeleteCartProduct

This will delete a specified cart line.

Title	DeleteCartProduct
URL	http://localhost:10281/api/CartDetail/?transactionId={cartId}&lineNumber={line}
Method	DELETE
URL Parameters	<table><tr><td>Parameter</td><td>Type</td><td>Description</td></tr><tr><td>cartNumber</td><td>GUID</td><td>This is the SYSPRO Point of Sale cart number you want to delete the line for</td></tr><tr><td>lineNumber</td><td>Numeric</td><td>This is the quote line number you want to delete</td></tr></table>
Data Parameters	None

Success Response	`{`
	`   {JSON return object}`
	`}`
	
	Refer to GetCartOutput.json and GetCartOutput-schema.json files provided

Error Response	`{`
	`   {Detail of error returned}`
	`}`

Sample Call	Refer to POSTMAN collection

AddCartOtherDetail

This allows you to add other line types to the cart (other than stocked).

Title	AddCartOtherDetail
URL	http://localhost:10281/api/CartDetailOther?transactionId= {CartId}&description={desc} &amount={amount}&unitCost={cost}&lineNumber={line}&lineType={lineType} &productClass=TPT&uom=EA&taxCode=A
Method	POST
URL Parameters	<table><tr><td>Parameter</td><td>Type</td><td>Description</td></tr><tr><td>cartNumber</td><td>GUID</td><td>This is the SYSPRO Point of Sale cart number you want to add a line for</td></tr><tr><td>description</td><td>String</td><td>This is the description for the line being added.</td></tr><tr><td>amount</td><td>Numeric</td><td>This is the amount value for the line being added.</td></tr><tr><td>unitCost</td><td>Numeric</td><td>This is the unitCost value of the line being added</td></tr><tr><td>lineNumber</td><td>Numeric</td><td>This is the line number for the line being added</td></tr><tr><td>lineType</td><td>String</td><td>This is the lineType for the line being added 4 – Freight line 5 – Miscellaneous line 7 – Non-stocked</td></tr><tr><td>productClass</td><td>String</td><td>This is the SYSPRO product class for the line being added. This must be a valid SYSPRO product class.</td></tr><tr><td>UOM</td><td>String</td><td>This is the unit of measure for the line being added.</td></tr><tr><td>taxCode</td><td>String</td><td>This is the tax code for the line being added. If this is empty it will use the default tax code defined against the branch.</td></tr></table>
Data Parameters	None

Success Response	```
	{
	   {JSON return object}
	}
	``
	
	Refer to GetCartOutput.json and GetCartOutput-schema.json files provided

Error Response	```
	{
	   {Detail of error returned}
	}
	``

Sample Call	Refer to POSTMAN collection

DeleteCart

This will delete a specified cart

Title	DeleteCart			
URL	http://localhost:10281/api/CartHeader/?transactionId={cartId}			
Method	DELETE			
URL Parameters	Parameter	Type	Description	
	cartNumber	GUID	This is the SYSPRO Point of Sale cart number you want to delete	
Data Parameters	None			
Success Response	None			

Error Response	{
	   {Detail of error returned}
	}			

Sample Call	Refer to POSTMAN collection			

UpdateCartHeaderExtraInfo

This allows you to query the SYSPRO sales order and invoice numbers for a specific cart if required. Since the offline architecture is utilized, you do not immediately get the SYSPRO sales order and invoice number back. This method provides a way for you to get the SYSPRO sales order and Invoice number after it has posted and link it to a cart.

Title	UpdateCartHeaderExtraInfo			
URL	http://localhost:10281/api/CartHeader/?transactionId={CartId}&posTransactionId={SaleTransactionId}			
Method	POST			
URL Parameters	Parameter	Type	Description	
	transactionId	GUID	This is the cart number you want to update with the SYSPRO numbers	
	posTransactionId	GUID	This is the POS transaction created at the time the cart was converted to a sale.	
Data Parameters	None			

Success Response	{
	   {JSON return object}
	}
	
	Refer to GetCartOutput.json and GetCartOutput-schema.json files provided			

Error Response	{
	   {Detail of error returned}
	}			

Sample Call	Refer to POSTMAN collection			

Payments

The Payment API endpoints allow you add payments to a cart.

Creating and maintaining payments leverages the offline architecture so it will operate regardless of whether you are connected to the main SYSPRO server or not.

The following functions are available

- PostPayment
- UpdatePayment
- DeletePayment

PostPayment

This will post a payment for a specified cart

Title	PostPayment
URL	http://localhost:10281/api/Payment
Method	POST
URL Parameters	None
Data Parameters	Refer to PostPaymentInput.json and PostPaymentInput-schema.json files provided

Success Response	```
	{
	   "ReturnResult": {JSON return object},
	   "ErrorMessage": null
	
	}
	``
	
	Refer to GetSalesOrderForCustomerOutput.json and GetSalesOrderForCustomerOutput-schema.json files provided

Error Response	```
	{
	   "ReturnResult": null,
	   "ErrorMessage": {Detail of error returned}
	}
	``

Sample Call	Refer to POSTMAN collection

UpdatePayment

This will update a specified payment for a cart.

Title	GetSalesOrderDetail
URL	http://localhost:10281/api/Payment
Method	PUT
URL Parameters	None
Data Parameters	None
Success Response	```{ "ReturnResult": {JSON return object}, "ErrorMessage": null }``` Refer to GetSalesOrderDetailOutput.json and GetSalesOrderDetailOutput-schema.json files provided
Error Response	```{ "ReturnResult": null, "ErrorMessage": {Detail of error returned} }```
Sample Call	Refer to POSTMAN collection

DeletePayment

This will update a specified payment for a cart.

Title	GetSalesOrderDetail		
URL	http://localhost:10281/api/Payment		
Method	PUT		
URL Parameters	Parameter	Type	Description
	salesOrder	String	This is the SYSPRO sales order you wish to query
Data Parameters	None		

Success Response	{
	  "ReturnResult": {JSON return object},
	  "ErrorMessage": null
	
	}
	
	Refer to GetSalesOrderDetailOutput.json and GetSalesOrderDetailOutput-schema.json files provided		

Error Response	{
	  "ReturnResult": null,
	  "ErrorMessage": {Detail of error returned}
	}		

Sample Call	Refer to POSTMAN collection		

Sales Orders

The Sales Orders API endpoints allow you get the required sales order information for a customer. All the Sales Order functions interact with SYSPRO directly on the main server so if the lines to the main server are down, you will not be able to access any of these functions.

The following functions are available

- GetSalesOrdersForCustomer
- GetSalesOrderDetail

GetSalesOrdersForCustomer

This will return a list of sales orders for a specified customer.

Title	GetSalesOrdersForCustomer
URL	http://localhost:10281/api/SalesOrder/?customer={Customer}&showCompleteOrders=True
Method	GET
URL Parameters	<table><tr><td>Parameter</td><td>Type</td><td>Description</td></tr><tr><td>customer</td><td>String</td><td>This is the SYSPRO customer code you want to retrieve a list of sales orders for.</td></tr><tr><td>showCompletedOrders</td><td>Bool</td><td>If this is set to true, it will return a list of current and completed sales orders for the customer. Set this to false if you only want to retrieve the current orders.</td></tr></table>
Data Parameters	None

Success Response	`{`
	`    "ReturnResult": {JSON return object},`
	`    "ErrorMessage": null`
	`}`
	
	Refer to GetSalesOrderForCustomerOutput.json and GetSalesOrderForCustomerOutput-schema.json files provided

Error Response	`{`
	`    "ReturnResult": null,`
	`    "ErrorMessage": {Detail of error returned}`
	`}`

Sample Call	Refer to POSTMAN collection

GetSalesOrderDetail

This will return the sales order details specified sales order.

Title	GetSalesOrderDetail			
URL	http://localhost:10281/api/SalesOrder/?salesOrder={SalesOrder}			
Method	GET			
URL Parameters	Parameter	Type	Description	
	salesOrder	String	This is the SYSPRO sales order you wish to query	
Data Parameters	None			

Success Response	`{`
	  `"ReturnResult": {JSON return object},`
	  `"ErrorMessage": null`
	
	`}`
	
	Refer to GetSalesOrderDetailOutput.json and GetSalesOrderDetailOutput-schema.json files provided			

Error Response	`{`
	  `"ReturnResult": null,`
	  `"ErrorMessage": {Detail of error returned}`
	`}`			

Sample Call	Refer to POSTMAN collection			

Invoice

The Invoice API endpoints allow you get the required Invoice information for a customer.

All the invoice functions interact with SYSPRO directly on the main server so if the lines to the main server are down, you will not be able to access any of these functions.

The following functions are available

- GetInvoicesForCustomer
- GetInvoiceDetail

GetInvoicesForCustomer

This will return a list of invoices for a specified customer.

Title	GetInvoicesForCustomer
URL	http://localhost:10281/api/Invoice/?customer={Customer}&startRowIndex=0&endRowIndex=20
Method	GET

URL Parameters	Parameter	Type	Description
	customer	String	This is the SYSPRO customer code you want to retrieve a list of invoices for.
	startRowIndex	Integer	Start row index - set this to zero to start at the first row. This is used to control paging so you can cycle through results. The JSON object returned will also return the total number of rows that exist so you now the bounds of the result set
	endRowIndex	Integer	Specifies the end row index for the current search. The endRowIndex less the startRowIndex will be the number or results you wish to return

Data Parameters	None
Success Response	```
{
   "ReturnResult": {JSON return object},
   "ErrorMessage": null

}
```
Refer to GetInvoiceForCustomerOutput.json and GetInvoiceForCustomerOutput-schema.json files provided |
| Error Response | ```
{
   "ReturnResult": null,
   "ErrorMessage": {Detail of error returned}
}
``` |
| Sample Call | Refer to POSTMAN collection |

GetInvoiceDetail

This will return the Invoice details specified Invoice number.

Title	GetInvoiceDetail
URL	http://localhost:10281/api/Invoice/?salesOrder={SalesOrder}&invoice={Invoice}
Method	GET

URL Parameters	Parameter	Type	Description	
	salesOrder	String	This is the SYSPRO sales order you for the invoice you want to query.	
	invoice	String	This is the SYSPRO invoice number you want to query	

Data Parameters	None
Success Response	```{ "ReturnResult": {JSON return object}, "ErrorMessage": null }``` Refer to GetInvoiceDetailOutput.json and GetInvoiceDetailOutput-schema.json files provided
Error Response	```{ "ReturnResult": null, "ErrorMessage": {Detail of error returned} }```
Sample Call	Refer to POSTMAN collection

Quotes

The Quote API endpoints allow you to query existing quotes created in SYSPRO Point of Sale, create new quotes and convert existing quotes to a sale.

The Querying of Quotes interact with SYSPRO directly on the main server so if the lines to the main server are down, you will not be able to access any of these functions.

Creating and converting of quotes leverages the offline architecture so it will operate regardless of whether you are connected to the main SYSPRO server or not.

The following functions are available

- Querying Quotes
    - GetQuoteListForCustomer
    - GetQuote
- Creating Quotes
    - CreateQuote
    - UpdateQuoteHeader
    - AddProductToQuote
    - UpdateQuoteProduct
    - DeleteQuoteProduct
    - AddQuoteOtherDetail
- Converting
    - ConvertQuoteToCart

GetQuoteListForCustomer

This will return a list of quotes for a specified customer.

Title	GetQuoteListForCustomer			
URL	http://localhost:10281/api/QuoteHeader?customer={customer}&includeAllQuotes=True			
Method	GET			
URL Parameters	**Parameter**	**Type**	**Description**	
	customer	String	This is the SYSPRO customer code you want to retrieve a list of sales orders for.	
	includeAllQuotes	Bool	When this is set to true, it will return all quotes with a status of 'Active', 'Cancelled' and 'Converted'. If set to false it will only return 'Active' quotes	
Data Parameters	None			
Success Response	```{ "ReturnResult": {JSON return object}, "ErrorMessage": null}``` Refer to GetQuoteListForCustomerOutput.json and GetQuoteListForCustomerOutput-schema.json files provided			
Error Response	```{ "ReturnResult": null, "ErrorMessage": {Detail of error returned}}```			
Sample Call	Refer to POSTMAN collection			

GetQuote

This will return the Quote details specified sales order.

Title	GetQuoteDetail
URL	http://localhost:10281/api/QuoteHeader?quoteNumber={Quote}
Method	GET

URL Parameters	Parameter	Type	Description	
	QuoteNumber	String	This is the SYSPRO Point of Sale quote number you wish to query	

Data Parameters	None
Success Response	```{
    "ReturnResult": {JSON return object},
    "ErrorMessage": null

}```

Refer to GetQuoteOutput.json and GetQuoteOutput-schema.json files provided |
| Error Response | ```{
    "ReturnResult": null,
    "ErrorMessage": {Detail of error returned}
}``` |
| Sample Call | Refer to POSTMAN collection |

CreateQuote

This will create a quote and quote header information

Title	CreateQuote
URL	http://localhost:10281/api/QuoteHeader
Method	POST
URL Parameters	None
Data Parameters	Refer to CreateQuoteInput.json and CreateQuoteInput-schema.json files provided

Success Response	{
	  "ReturnResult": {JSON return object},
	  "ErrorMessage": null
	
	}
	
	Refer to CreateQuoteOutput.json and CreateQuoteOutput-schema.json files provided

Error Response	{
	  "ReturnResult": null,
	  "ErrorMessage": {Detail of error returned}
	}

Sample Call	Refer to POSTMAN collection

UpdateQuoteHeader

This will update the quote header information.

Title	UpdateQuoteHeader
URL	http://localhost:10281/api/QuoteHeader
Method	PUT
URL Parameters	None
Data Parameters	Refer to UpdateQuoteHeaderInput.json and UpdateQuoteHeaderInput-schema.json files provided

Success Response	```
	{
	   "ReturnResult": {JSON return object},
	   "ErrorMessage": null
	
	}
	``
	
	Refer to UpdateQuoteHeaderOutput.json and UpdateQuoteHeaderOutput-schema.json files provided

Error Response	```
	{
	   "ReturnResult": null,
	   "ErrorMessage": {Detail of error returned}
	}
	``

Sample Call	Refer to POSTMAN collection

AddProductToQuote

This will allow you to add an item to a quote.

Title	AddProductToQuote
URL	http://localhost:10281/api/QuoteDetail?quoteNumber={Q}&stockCode={STK}&orderQty={1}&lineNumber={1}
Method	POST
URL Parameters	<table><thead><tr><th>Parameter</th><th>Type</th><th>Description</th></tr></thead><tbody><tr><td>quoteNumber</td><td>String</td><td>This is the SYSPRO Point of Sale quote number you are adding the line to</td></tr><tr><td>stockCode</td><td>String</td><td>This is the SYSPRO stock code you are adding to the line</td></tr><tr><td>orderQty</td><td>Numeric</td><td>This is the quantity of the stock code being ordered for the line</td></tr><tr><td>LineNumber</td><td>String</td><td>Line number you are adding</td></tr></tbody></table>
Data Parameters	None

Success Response	<pre>{
	  "ReturnResult": {JSON return object},
	  "ErrorMessage": null
	
	}</pre> Refer to AddProductToQuoteOutput.json and AddProductToQuoteOutput-schema.json files provided

Error Response	<pre>{
	  "ReturnResult": null,
	  "ErrorMessage": {Detail of error returned}
	}</pre>

Sample Call	Refer to POSTMAN collection

UpdateQuoteProduct

This will update a specified quote line.

Title	UpdateQuoteProduct
URL	http://localhost:10281/api/QuoteDetail
Method	PUT
URL Parameters	Non
Data Parameters	Refer to UpdateQuoteProductInput.json and UpdateQuoteProductInput-schema.json files provided
Success Response	```{ "ReturnResult": {JSON return object}, "ErrorMessage": null }``` Refer to UpdateQuoteProductOutput.json and UpdateQuoteProductOutput-schema.json files provided
Error Response	```{ "ReturnResult": null, "ErrorMessage": {Detail of error returned} }```
Sample Call	Refer to POSTMAN collection

DeleteQuoteProduct

This will delete a specified quote line.

Title	DeleteQuoteProduct
URL	http://localhost:10281/api/QuoteDetail?quoteNumber={quote}&lineNumber={line}
Method	DELETE
URL Parameters	<table><tr><td>Parameter</td><td>Type</td><td>Description</td></tr><tr><td>quoteNumber</td><td>String</td><td>This is the SYSPRO Point of Sale quote number you want to delete</td></tr><tr><td>lineNumber</td><td>Numeric</td><td>This is the quote line number you want to delete</td></tr></table>
Data Parameters	None

Success Response	`{`
	`    "ReturnResult": {JSON return object},`
	`    "ErrorMessage": null`
	
	`}`
	
	Refer to DeleteQuoteProductOutput.json and DeleteQuoteProductOutput-schema.json files provided

Error Response	`{`
	`    "ReturnResult": null,`
	`    "ErrorMessage": {Detail of error returned}`
	`}`

Sample Call	Refer to POSTMAN collection

AddQuoteOtherDetail

This allows you to add other line types to the quote (other than stocked).

Title	AddQuoteOtherDetail
URL	http://localhost:10281/api/QuoteDetail?quoteNumber={Quote}&description={desc} &amount={amount}&unitCost={cost}&lineNumber={line}&lineType={lineType} &productClass=TPT&uom=EA&taxCode=A
Method	POST

URL Parameters	Parameter	Type	Description
	quoteNumber	String	This is the SYSPRO Point of Sale quote number you want to add a line for
	description	String	This is the description for the line being added.
	amount	Numeric	This is the amount value for the line being added.
	unitCost	Numeric	This is the unitCost value of the line being added
	lineNumber	Numeric	This is the line number for the line being added
	lineType	String	This is the lineType for the line being added 4 – Freight line 5 – Miscellaneous line 7 – Non-stocked
	productClass	String	This is the SYSPRO product class for the line being added. This must be a valid SYSPRO product class.
	UOM	String	This is the unit of measure for the line being added.
	taxCode	String	This is the tax code for the line being added. If this is empty it will use the default tax code defined against the branch.

Data Parameters	None

Success Response	```{ "ReturnResult": {JSON return object}, "ErrorMessage": null }``` Refer to AddQuoteOtherDetailOutput.json and AddQuoteOtherDetailOutput-schema.json files provided
Error Response	```{ "ReturnResult": null, "ErrorMessage": {Detail of error returned} }```
Sample Call	Refer to POSTMAN collection

ConvertQuoteToCart

This will convert a quote to a cart so that payment can be taken against it and the sale created.

Once the quote is converted to a cart, standard cart logic and processes apply

Title	ConvertQuoteToCart			
URL	http://localhost:10281/api/QuoteHeader?quoteNumber={quote}			
Method	POST			
URL Parameters	**Parameter**	**Type**	**Description**	
	quoteNumber	String	This is the SYSPRO Point of Sale quote number you want to convert to a cart.	
Data Parameters	None			

Success Response	`{`
	`   "ReturnResult": {JSON return object},`
	`   "ErrorMessage": null`
	
	`}`
	
	Refer to ConvertQuoteToCartOutput.json and ConvertQuoteToCartOutput-schema.json files provided			

Error Response	`{`
	`   "ReturnResult": null,`
	`   "ErrorMessage": {Detail of error returned}`
	`}`			

Sample Call	Refer to POSTMAN collection			

SYSPRO™
Simplifying your Success

Africa and the Middle East
SYSPRO (Pty) Limited
Block A
Sunninghill Place
9 Simba Road
Sunninghill
Johannesburg
2191
South Africa
Tel: +27 (0) 11 461 1000
Email: info@za.syspro.com

Canada
SYSPRO Software Limited
4400 Dominion Street
Suite 215
Burnaby (Vancouver)
British Columbia
Canada
V5G 4G3
Tel: +1 (604) 451 8889
Email: info@ca.syspro.com

USA & Americas
SYSPRO Impact Software, Inc.
959 South Coast Drive, Suite 100
Costa Mesa, (Los Angeles region) California
92626
USA
Tel: +1 (714) 437 1000
Toll free: 800 369 8649
Email: info@us.syspro.com

Asia Pacific
SYSPRO Software Pty Ltd
Suite 1102, Level 11
201 Miller Street
North Sydney NSW 2060
Australia
Tel: +61 (2) 9870 5555
Email: info@au.syspro.com

SYSPRO Software Pte Ltd
8 Eu Tong Sen Street
#19-91
The Central
Singapore
059818
Tel: (65) 6256 1921
Email: info@sg.syspro.com

All enquiries:
Australia: 1300 882 311 (Local call)

UK & Europe
K3 Syspro
Baltimore House
50 Kansas Avenue
Salford
Manchester
United Kingdom
M50 2GL
Tel: +44 161 876 4498
Email: info@k3syspro.com

www.syspro.com