



# XML Tools Developer's Guide

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## Welcome

Welcome to the ProductCart XML Tools Developer's Guide. Over the past several months we have received an ever growing number of requests from ProductCart users that needed to integrate their online store with other systems. For example: a POS system, accounting software, order management software, or a complete ERP system.

It is clearly impossible for us at Early Impact to try to tackle the integration of our shopping cart software with the vast array of solutions that ProductCart customers use. Thus, the idea of creating a full, well-documented suite of XML tools to facilitate those tasks.

The ProductCart XML Tools were designed to help developers integrate any third-party application with ProductCart. This guide should provide a knowledgeable programmer with all the information needed to do so. The ProductCart XML Tools will work with any programming language or platform that is capable of sending and receiving XML documents over the HTTPS protocol.

## Overview

The ProductCart XML Tools are an XML-based API that allows third-party developers to integrate seamlessly with the ProductCart e-commerce system. XML Tools provides a vehicle for secure, bi-directional communication with ProductCart. Simply put... just about any application with internet access can be modified to work with XML Tools. You can now create powerful, time-saving solutions that will streamline your business operations.

For example, you could query your ProductCart-powered store to obtain customer information and add it into your ERP system, pull orders into your accounting software, or even synchronize inventory with your POS system. Your imagination is the limit... assuming the [skills](#) are there ☺.

The XML Tools are designed to...

- ... receive
  - Product information (e.g. inventory levels)
  - Customer information (e.g. new customers are added to the system)
- ... output (or manually export)
  - Product information (e.g. inventory levels)
  - Customer information (e.g. obtain new customers that registered with the store)
  - Order information (e.g. obtain order information for the last N days)

## Example Code and Testing Tools

The folders that accompanied this User Guide contain sample code and two, simple client applications with which you can test the API (both Classic ASP and ASP.NET). Source code for the sample client applications is also included (the ASP.NET application is provided both compiled and as source files).

You can find more information about the sample code and client applications in [Appendix E](#).

## Skill Requirements

There are different skill requirements for the use of the ProductCart XML Tools, depending on what you wish to accomplish with them. Specifically:

- **Manual Export to XML**

No technical skills are required to configure the XML Tools Manager and use the built-in export features to manually export products, customers and/or orders to an XML file.



- **Use of the API**

The power of the ProductCart XML Tools is in the ability to have an external application communicate with the e-commerce software in a by-directional way, without human interaction. To accomplish this, a basic understanding of XML and the ability to create or have access to an application that can send and receive XML document over the HTTP (or HTTPS) protocol are required. Most programming languages include methods to do the latter, and there is ample information available on the Internet (we included [links to some useful resources here](#)). In the folders where you found this document you will also find sample code.

In the following pages we will cover everything you need to know about the ProductCart XML Tools. First, we will talk about the *XML Tools Manager*, a new area of the Control Panel devoted to the XML Tools. Then, we will discuss the use of the *XML Tools API*. You will find a lot of technical information and sample code in this second.

### **Feedback**

If you find any issues with this User Guide, or if you believe that it could or should be improved in certain areas, please e-mail your suggestions to [marketing@earlyimpact.com](mailto:marketing@earlyimpact.com)

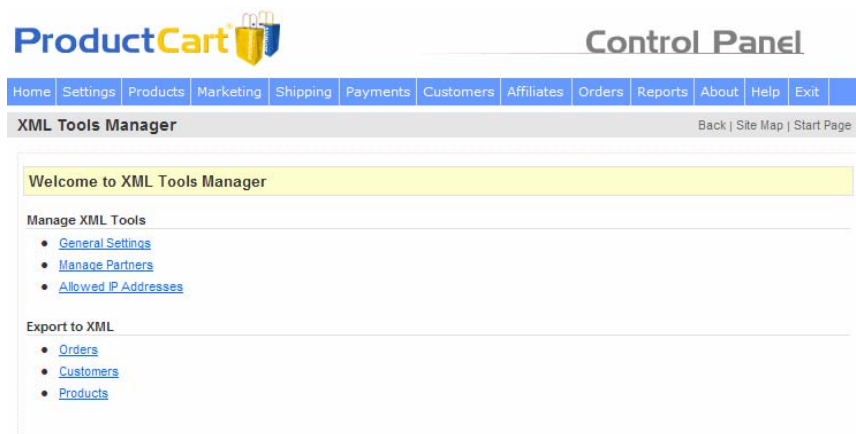
## XML Tools Manager

The ProductCart Control Panel contains an area that allows you to manage a number of settings that apply to the use of the XML Tools, and manually create export files in XML. Of course, the API was not created with the objective of exporting data manually. But if you need to manually create an XML document that contains product, customer, or order information, you can do so quickly and easily.

To access the XML Tools Manager:

- Log into your ProductCart Control Panel
- Select "XML Tools Manager" from the "Reports" menu.
- Note that this link is only available if you are logged in as the system administrator. Control Panel "sub-users" don't have access to the XML Tools Manager, for security reasons.

You should now be on the XML Tools Manager home page. On this page you will find several options to "Manage XML Tools" and "Export to XML". We will cover each option in detail in the sections below.



## Settings & Partners

There are a number of settings that you can configure. We have tried to make the XML Tools as secure as possible. Therefore, many of the settings are security-related.

### General Settings

- **Enforce HTTPS:**  
When this box is checked all HTTP transactions are denied: only transactions over the HTTPS protocol are allowed. That means that any application that communicates with ProductCart without SSL (HTTPS) will be denied access. This option is highly recommended for all "LIVE" servers.
- **Log XML Transactions:**  
Use this feature to log all communications between any third-party application and ProductCart.
  - **Include Error XML Transactions:**  
If this box is checked ProductCart will log error information. If left unchecked only successful communication will be recorded.



- **Capture XML Requests:**  
If this box is checked ProductCart will save the entire XML Request so it is reviewed.
- **Capture XML Response:**  
If this box is checked ProductCart will save the entire XML Request so it is reviewed.

### Manage Partners

For security reasons, you need to explicitly allow a third party application to send XML data feeds to your ProductCart-powered store. Use this feature to create/manage these applications, which we call "XML Partners".

- **Add New Partner**

Complete the following steps to add an XML Partner:

- Select "Manage Partners > Add New Partner":
  - **General Information**
    - Partner Status: Active or Inactive (e.g. "on" or "off")
    - Partner ID: Also known as a "Username". This is an alpha-numeric string to be used to identify the Partner making a transaction request. This is a required field.
    - Password: This should be a secret phrase combining both numbers and letters. This is a required field.
    - Partner Key: This is a private key phrase used to validate transactions in addition to the Password. This is a required field. Click the "Generate Key" button to automatically create a key phrase.
    - Partner Name: The Full Name of the Partner.
    - Company: The Partners Business Entity.
    - Phone: Contact number for the person listed in the Full Name field.
    - Fax: Contact number for the person listed in the Full Name field.
    - E-mail: Electronic address for the person listed in the Full Name field.
  - **Partner Address**
    - Country: The country in which the Partner resides.
    - Address: The street address of the Partner.
    - City: The city of the Partner.
    - State/Province: Select the State from the dropdown, or type a valid ISO code in the field.
    - Postal Code: Valid postal code.
  - **XML Export Settings**
    - Make this account my "Export to XML" administrator account: This checkbox specifies the account used when exporting XML files from the XML Tools Manager Console. If you want to use the Control Panel to export XML documents, you will have to create a "Partner" that has this field checked.
  - **FTP Server Information**

This is an optional set of fields that you will use if you want ProductCart to FTP an XML feed to a certain location.

    - Host: Address where XML Tools will send your XML feeds.
    - Directory: The folder under the host address to upload the files to.
    - User Name: The FTP account user.
    - Password: The FTP account password.

- Click "Save XML Partner" to create the new XML Partner.
- **Manage XML Partners**
  - View/Edit:  
To update an XML Partner's Details follow these steps
    - Modify the form fields
    - Click "Update Partner"
  - Email: Click the email link to open your default email client.
  - Delete: Click this link to remove the XML Partner from the database.
  - Transactions: Click this link to view the Partners Transaction Logs. This section is described in the section "Reading the Transaction Logs"

### Allowed IP Addresses

Use this feature to further increase the security of the XML Tools. When you turn on this feature, only IP addresses listed on this page will be able to transact (send/receive XML data feeds) with your store.

- **Turn ON/Off IP Blocking**
  - Turn On: Activates the feature.
  - Turn Off: Deactivates the feature.
  - Click the "Update Setting" button to save the setting.
- **Allowed IP Address List**

This section will display a list of all IP Addresses currently entered into the system. All transactions from IP Address NOT on this list will be denied. To remove an accepted IP Address follow these steps:

  - Check the box next to the IP Address to want to remove.
  - Click the "Remove Selected" button.
- **Add new IP Addresses**

To add an accepted IP Address follow these steps:

  - Fill in the form fields.
    - IP Address: A valid IP Address that will be allowed to send transactions to XML Tools.
  - Click the "Add New" button.

### **Manually Exporting Data in XML Format**

In this section we will cover the XML Tools Export Options and Features.

**Warning:** You must set the *Make this account my "Export to XML" administrator account* setting before using these features. If you try to use these features without creating an administrator account, you may receive the following message: "This function requires an Export Admin Account. Please update a XML Partner to Export Admin". For more information about the export admin please read the "[Manage Partners](#)" section.

#### **How to Export XML documents**

From the Welcome screen select the type of export. You can export three different types of information:

- **Orders**

You can use a number of filters to indicate the orders that you would like to export to an XML data file. You may optionally specify an FTP location and XML Tools will upload the exported

XML file into that FTP site. This feature is useful if you have a 3<sup>rd</sup> party application that can monitor and import an XML document from a certain folder (many ERP systems have this capability).

- **Customers**

Here too you can use advanced search criteria to indicate which customers you would like to export: the customer(s) matching the criteria will be exported to an XML file. Specify an FTP location to have ProductCart upload the exported XML document to that folder.

- **Products**

You can do the same with product information.

To export an XML document

- Choose the type
- Fill out the search criteria on the search form.
- Include or Exclude previously exported items (e.g. should orders that you have already exported be included or not?). If you select "Yes" then only new items will be exported (i.e. items that have not been exported before). This feature is very useful if you want to export only "New" orders, customers, or products (e.g. since the last time you performed the task).
- Click the "Export XML File" button.
- On the following page you will see a link to download your XML file.

**Note:** If you specified FTP information for your Export Admin in the Partner Details section then your XML file will also be sent to the FTP directory.

## Transaction Logs

When logging is turned on (*Manage XML Tools > General Settings > Log Settings*), ProductCart keeps a log of all activity involving the XML Tools. This feature allows you to capture all XML transactions between your store and any third party applications. If there is ever a problem (or if you want to verify whether a specific transaction occurred), the logs can provide extremely useful information.

- **Viewing a Transaction Log**

Click on any of the transaction logs to see details for the transaction. To do so, select *Manage XML Tools > Manage Partners*, and then click on *Transactions* for any of the listed partners. The following information will be displayed:

- Date: The date the transaction was received by XML Tools.
- Transaction Key: The unique ID assigned to the transaction.
- Transaction Type: The type of process XML Tools was requested to run.
- Status: Success or Failed
- Description: A short overview of the Transaction Type and Status in plain text.

- **Purging the Transaction Logs**

To purge on or more logs from the list:

- Check the box next to each log entry, or click "Check All".
- Click the "Delete Selected" button at the bottom of the page.

ProductCart also keeps a log of unauthorized attempts to use the XML Tools. To view whether there have been any attempts to access the tools from an unauthorized user (or to troubleshoot unsuccessful attempts by an authorized user), from the XML Tools Manager page select *Manage Partners > Unauthorized Transactions Log*. You will see a list of recent transactions.



## Using the XML Tools API

### System Requirements

#### SSL (HTTPS)

SSL is not required to use XML Tools. You may want to experiment with XML Tools on your local pc without needing SSL. However, we strongly recommend securing your Control Panel and XML Tools with a SSL Certificate once you are done testing, so that you can communicate with the XML Tools API over the HTTPS protocol.

Any transaction posted to an unsecured URL will result in your Password and Key being transmitted across the internet in plain text. We recommend that you use the HTTPS protocol in your communications with the API, and enforce the use of HTTPS so that communications on the HTTP protocol are not allowed.

To Enforce SSL follow these steps:

1. From your XML Tools Manager "Welcome" screen select **"General Settings"**
2. Check the box **"Enforce HTTPS"**
3. Click the **"Update Settings"** button

#### MS SQL

Though not a requirement, it is strongly recommended that you run a SQL Server with XML Tools. An Access database was not designed by Microsoft to handle multiple users and concurrent connections. Using Access with XML Tools may result in "Timeouts" and other complications.

#### Server Performance and Storage

Sending XML transactions via HTTP may take several seconds. Your web server should be fast and reliable. If you are using the XML Tools logging features you should ensure you have enough hosting space to store the XML log files. You can periodically clear the transaction log files from the "Manage Partners > Transactions" screen.

## Executing Your First XML API Call

### Creating the XML

#### Standard Request Elements

There are three elements that are required for every request transaction.

- PartnerID
- PartnerPassword
- PartnerKey

These elements must be present in your XML, or XML Tools will return a *100 status error code*.

Example XML:

```
<?xml version="1.0"?>
  <MethodNameRequest xmlns="http://www.productcart.com/schema/xmltools/v1">
    <PartnerID>my-partner-id</PartnerID>
    <PartnerPassword>my-partner-password</PartnerPassword>
    <PartnerKey>my-partner-key</PartnerKey>
  </MethodNameRequest>
```

**Adding Request Headers:**

You may use any method of HTTP(S) to post your XML request to XML Tools. However, you must define a custom header as follows. Set a request header called "XML-Agent" with a value of "ProductCart XML Partner".

Example Classic ASP:

```
.setRequestHeader "XML-Agent", "ProductCart XML Partner"
```

Example .NET:

```
.Headers.Add("XML-Agent", "ProductCart XML Partner")
```

**Sending XML transactions****Datatypes Reference**

The datatypes used in XML Request and Response XML are defined in the following table.

Table 1 - Datatypes

Datatype	Description
boolean	Specifies binary-valued logic (true/false).  Example: 0 (False)  <a href="http://www.w3.org/TR/xmlschema-2/#boolean">http://www.w3.org/TR/xmlschema-2/#boolean</a>
dateTime	The unit of time in the format specified by your ProductCart settings.  Example: 2007-05-16  <a href="http://www.w3.org/TR/xmlschema-2/#dateTime">http://www.w3.org/TR/xmlschema-2/#dateTime</a>
decimal	A decimal value of precision.  Example: 1.5  <a href="http://www.w3.org/TR/xmlschema-2/#decimal">http://www.w3.org/TR/xmlschema-2/#decimal</a>
double	A double-precision 64-bit floating point type.  Example: 1.54  <a href="http://www.w3.org/TR/xmlschema-2/#double">http://www.w3.org/TR/xmlschema-2/#double</a>
duration	A length of time.  <a href="http://www.w3.org/TR/xmlschema-2/#duration">http://www.w3.org/TR/xmlschema-2/#duration</a>
float	A single-precision 32-bit floating point type.  <a href="http://www.w3.org/TR/xmlschema-2/#float">http://www.w3.org/TR/xmlschema-2/#float</a>
integer	A 32-bit integer value between -2147483648 and 2147483647.

	Example: 1740
	<a href="http://www.w3.org/TR/xmlschema-2/#integer">http://www.w3.org/TR/xmlschema-2/#integer</a>
positiveInteger	This attribute value must be an integer greater than zero. It can not be negative, or a decimal, or a fraction, or a string, or blank.
	<a href="http://www.w3.org/TR/xmlschema-2/#positiveInteger">http://www.w3.org/TR/xmlschema-2/#positiveInteger</a>
nonNegativeInteger	This attribute value must be an integer greater than or equal to zero. It can not be negative, or a decimal, or a fraction, or a string, or blank.
	<a href="http://www.w3.org/TR/xmlschema-2/#nonNegativeInteger">http://www.w3.org/TR/xmlschema-2/#nonNegativeInteger</a>
long	A value between -9223372036854775808 and 9223372036854775807.
	Example: 1092233720368547758
	<a href="http://www.w3.org/TR/xmlschema-2/#long">http://www.w3.org/TR/xmlschema-2/#long</a>
string	The string datatype represents a sequence of characters. A string may have a minimum or maximum length. XML Tools strings may contain HTML or XML. In these cases we replace markup-significant characters (e.g. &lt; for the < character or &gt; for the > character).
	Example: This is a string of 33 characters.
	<a href="http://www.w3.org/TR/xmlschema-2/#string">http://www.w3.org/TR/xmlschema-2/#string</a>

## Method Reference

### SearchProducts

The Search Products method effectively allows you to search the ProductCart database using a number of advanced filters.

#### SearchProducts Request

The Request is comprised of the [standard XML request elements](#) with the addition to one or more filter parameters in the XML Body. The table below describes each filter and how to form a request.

Table 2 - SearchProductsRequest Input

Element (XPath)	Type	Length	Required	Description/ Values
SearchProductsRequest	container		YES	The Root XML element in the XML request that contains all the required parameters.
<a href="#">PartnerID</a>	<a href="#">string</a>		YES	The partner ID of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerPassword</a>	<a href="#">string</a>		YES	The Password of the registered partner that has permission to

				access ProductCart XML Tools
<a href="#">PartnerKey</a>	<a href="#">string</a>	30	YES	The unique key of the register partner that has permission to access ProductCart XML Tools.
<a href="#">CallbackURL</a>	<a href="#">string</a>		NO	URL that we will send xml result documents
Filters/	complex		NO	Recommended. A container that holds all the search criteria.
Filters/ CategoryID	<a href="#">nonNegativeInteger</a>		NO	Use 0 for All categories OR the ID of a specific category
Filters/ CustomFieldID	<a href="#">nonNegativeInteger</a>		NO	Use ID of product custom search field. Use 0 for All fields OR the ID of a specific field.
Filters/ CustomFieldValue	<a href="#">string</a>		NO	It is only valid if CustomFieldID has a value <> 0.
Filters/ PriceFrom	<a href="#">nonNegativeInteger</a>		NO	The start of the defined price range.
Filters/ PriceTo	<a href="#">nonNegativeInteger</a>		NO	The end of the defined price range.
Filters/ InStock	<a href="#">boolean</a>		NO	0 - All Products 1 - In Stock Only
Filters/ SKU	<a href="#">string</a>		NO	The Inventory SKU value
Filters/ BrandID	<a href="#">nonNegativeInteger</a>		NO	Use 0 for All Brands OR the ID of a specific brand.
Filters/ Keyword	<a href="#">string</a>		NO	A keyword within the Product Name, SKU, or Description.
Filters/ ExactPhrase	<a href="#">boolean</a>		NO	0 - find any words 1 - find exact phrase
Filters/ Inactive	<a href="#">boolean</a>		NO	0 - exclude inactive products 1- include inactive products
Filters/ Deleted	<a href="#">boolean</a>		NO	0 - exclude deleted products 1- include deleted products
Filters/ Standard	<a href="#">boolean</a>		NO	0 - exclude standard products 1 - include standard products
Filters/ BTO	<a href="#">boolean</a>		NO	0 - exclude BTO products 1 - include BTO products
Filters/ BTOItem	<a href="#">boolean</a>		NO	0 - exclude BTO items 1 - include BTO items
Filters/	<a href="#">nonNegativeInteger</a>		NO	1 - only special products

Specials				2 - only NOT special products 0 - both
Filters/ Featured	<a href="#">nonNegativeInteger</a>		NO	1 - only featured products 2 - only NOT featured products 0 - both
Filters/ SortOrder	<a href="#">nonNegativeInteger</a>		NO	0 - Desc ascending 1 - Desc descending 2 - SKU ascending 3 - SKU descending 4 - ProductID Asc 5 - ProductID Desc
Filters/ FromDate	<a href="#">dateTime</a>		NO	Return only records saved on or after this date.
Filters/ ToDate	<a href="#">dateTime</a>		NO	Return only records saved on or before this date.
Filters/ HideExported	<a href="#">boolean</a>		NO	0 - exclude already exported 1 - include already exported

Table 3 - SearchProductsRequest Example XML

```

<?xml version="1.0"?>
  <SearchProductsRequest xmlns="http://www.productcart.com/schema/xmltools/v1">
    <PartnerID>7B4WIZ7L220AVD2</PartnerID>
    <PartnerPassword>123456789</PartnerPassword>
    <PartnerKey>FDG-23947ikgfnmksgfiuijjmsgik</PartnerKey>
    <CallbackURL>https://www.productcart.com/xmlClientApp</CallbackURL>
    <Filters>
      <CategoryID></CategoryID>
      <CustomFieldID></CustomFieldID>
      <CustomFieldValue></CustomFieldValue>
      <PriceFrom></PriceFrom>
      <PriceTo></PriceTo>
      <InStock></InStock>
      <SKU></SKU>
      <BrandID></BrandID>
      <Keyword></Keyword>
      <ExactPhrase></ExactPhrase>
      <Inactive></Inactive>
      <Deleted></Deleted>
      <Standard></Standard>
      <BTO></BTO>
      <BTOItem></BTOItem>
      <Specials></Specials>
      <Featured></Featured>
      <SortOrder></SortOrder>
      <FromDate></FromDate>
      <ToDate></ToDate>
      <HideExported></HideExported>
    </Filters>
  </SearchProductsRequest>

```

### SearchProducts Response

The Response is the *results list* of all elements matching the search criteria. Use the ID values in the results list along with its corresponding "GetDetails" method to obtain additional details for each element.

Table 4 - SearchProductsResponse Output

Element (XPath)	Type	Length	Default	Description/ Values
SearchProductsResponse/	container		YES	Contains the SearchProducts Request results details.
<a href="#">RequestKey</a>	<a href="#">string</a>	30	YES	The ProductCart generated key for the xml request document. Only returns on the xml result document
<a href="#">RequestStatus</a>	<a href="#">integer</a>		YES	See <a href="#">Status Codes</a> Table
Count	<a href="#">positiveInteger</a>		YES*	The total number of results.  *- A default element when there is a result set.
Products/	complex		YES	Contains a list of Product IDs.
Products/ ProductID	<a href="#">positiveInteger</a>		YES	The value corresponding to the unique identity column in the ProductCart database.

Table 5 - SearchProductsResponse Example XML

```
<?xml version="1.0"?>
  <SearchProductsResponse xmlns="http://www.productcart.com/schema/xmltools/v1">
    <RequestKey>3516277FFAH14HW</RequestKey>
    <RequestStatus>200</RequestStatus>
    <Count>2</Count>
    <Products>
      <ProductID>438</ProductID>
      <ProductID>439</ProductID>
    </Products>
  </SearchProductsResponse>
```

### SearchCustomers

The Search Customers method allows you to effectively search the ProductCart database for customer information using a number of advanced filters.

#### SearchCustomers Request

The Request is comprised of the [standard XML request elements](#) with the addition to one or more filter parameters in the XML Body. The table below describes each filter and how to form a request.

Table 6 - SearchCustomersRequest Input

Element (XPath)	Type	Length	Required	Description/ Values
SearchCustomersRequest	container		YES	The Root XML element in the XML request that contains all the required parameters.
<a href="#">PartnerID</a>	<a href="#">string</a>		YES	The partner ID of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerPassword</a>	<a href="#">string</a>		YES	The Password of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerKey</a>	<a href="#">string</a>	30	YES	The unique key of the register partner that has permission to access ProductCart XML Tools.
<a href="#">CallbackURL</a>	<a href="#">string</a>		NO	URL that we will send xml result documents
Filters/	complex		NO	Recommended. A container that holds all the search criteria.
Filters/ FirstName	<a href="#">string</a>		NO	The customer's First Name.
Filters/ LastName	<a href="#">string</a>		NO	The customer's Last Name.
Filters/ Company	<a href="#">string</a>		NO	The company.
Filters/ Email	<a href="#">string</a>		NO	The email address of the customer.
Filters/ City	<a href="#">string</a>		NO	The city of the customer.
Filters/ CountryCode	<a href="#">string</a>		NO	The country code of the customer.
Filters/ Phone	<a href="#">string</a>		NO	The contact phone number of the customer.
Filters/ CustomerType	<a href="#">nonNegativeInteger</a>		NO	The customer type.
Filters/ PricingCategoryID	<a href="#">positiveInteger</a>		NO	The customer pricing category ID.
Filters/ CustomerField	<a href="#">string</a>		NO	The special customer field.
Filters/ Locked	<a href="#">boolean</a>		NO	0 - exclude locked customers 1- include locked customers

Filters/ Suspended	<a href="#">boolean</a>		NO	0 - exclude suspended customers 1- include suspended customers
Filters/ FromDate	<a href="#">dateTime</a>		NO	Return only records saved on or after this date.
Filters/ ToDate	<a href="#">dateTime</a>		NO	Return only records saved on or before this date.
Filters/ HideExported	<a href="#">boolean</a>		NO	0 - exclude already exported 1 - include already exported

Table 7 - SearchCustomersRequest Example XML

```
<?xml version="1.0"?>
  <SearchCustomersRequest xmlns="http://www.productcart.com/schema/xmltools/v1">
    <PartnerID>7B4WIZ7L220AVD2</PartnerID>
    <PartnerPassword>123456789</PartnerPassword>
    <PartnerKey>FDG-23947ikgfnmksgfiuijjmsgik</PartnerKey>
    <CallbackURL>https://www.productcart.com/xmlClientApp</CallbackURL>
    <Filters>
      <FirstName></FirstName>
      <LastName></LastName>
      <Company></Company>
      <Email></Email>
      <City></City>
      <CountryCode></CountryCode>
      <Phone></Phone>
      <CustomerType></CustomerType>
      <PricingCategoryID></PricingCategoryID>
      <CustomerField></CustomerField>
      <Locked></Locked>
      <Suspended></Suspended>
      <FromDate></FromDate>
      <ToDate></ToDate>
      <HideExported></HideExported>
    </Filters>
  </SearchCustomersRequest>
```

### SearchCustomers Response

The Response is the results list of all elements matching the search criteria. Use the ID values in the results list along with its corresponding "GetDetails" method to obtain additional details for each element.

Table 8 - SearchCustomersResponse Output

Element (XPath)	<a href="#">Type</a>	Length	Default	Description/ Values
SearchCustomersResponse/	container		YES	Contains the SearchCustomers Request results details.



<a href="#">RequestKey</a>	<a href="#">string</a>	30	YES	The ProductCart generated key for the xml request document. Only returns on the xml result document
<a href="#">RequestStatus</a>	<a href="#">integer</a>		YES	See <a href="#">Status Codes</a> Table
Count	<a href="#">positiveInteger</a>		YES*	The total number of results. *- A default element when there is a result set.
Customers/	complex		YES	Contains a list of Customer IDs.
Customers/ CustomerID	<a href="#">positiveInteger</a>		YES	The value corresponding to the unique identity column in the ProductCart database.

Table 8 - SearchCustomersResponse Example XML

```
<?xml version="1.0"?>
  <SearchCustomersResponse xmlns="http://www.productcart.com/schema/xmltools/v1">
    <RequestKey>3516277FFAH14HW</RequestKey>
    <RequestStatus>200</RequestStatus>
    <Count>4</Count>
    <Customers>
      <CustomerID>2</CustomerID>
      <CustomerID>3</CustomerID>
      <CustomerID>4</CustomerID>
      <CustomerID>68</CustomerID>
    </Customers>
  </SearchCustomersResponse>
```

## SearchOrders

The Search Orders method effectively allows you to search the ProductCart database using a number of advance filters.

### SearchOrders Request

The Request is comprised of the [standard XML request elements](#) with the addition to one or more filter parameters in the XML Body. The table below describes each filter and how to form a request.

Table 9 - SearchOrdersRequest Input

Element (XPath)	Type	Length	Required	Description/ Values
SearchOrdersRequest	container		YES	The Root XML element in the XML request that contains all the required parameters.
<a href="#">PartnerID</a>	<a href="#">string</a>		YES	The partner ID of the registered partner that has permission to

				access ProductCart XML Tools
<a href="#">PartnerPassword</a>	<a href="#">string</a>		YES	The Password of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerKey</a>	<a href="#">string</a>	30	YES	The unique key of the register partner that has permission to access ProductCart XML Tools.
<a href="#">CallbackURL</a>	<a href="#">string</a>		NO	URL that we will send xml result documents
Filters/	complex		NO	Recommended. A container that holds all the search criteria.
Filters/ CustomerID	<a href="#">positiveInteger</a>		NO	The customer's unique id value.
Filters/ CustomerType	<a href="#">nonNegativeInteger</a>		NO	The customer type value. 0 - Retail Customer 1 - Wholesale Customer
Filters/ PricingCategoryID	<a href="#">positiveInteger</a>		NO	The id of the pricing category.
Filters/ OrderStatus	<a href="#">positiveInteger</a>		NO	The order status. 2=Pending 3=Processed 4=Shipped 5=Cancelled 6=Return 7=Partially Shipped 8=Shipping 9=Partially Returned 10=Delivered 12=Archived
Filters/ PaymentStatus	<a href="#">nonNegativeInteger</a>		NO	The payment status. 0=Pending 1=Authorized 2=Paid 3=Declined 4=Cancelled 5=Cancelled By Google 6=Refunded 7=Charging 8=Voided
Filters/ PaymentType	<a href="#">positiveInteger</a>		NO	1- BTO Product 2 - BTO Item
Filters/ StateCode	<a href="#">string</a>		NO	The ISO state code.
Filters/ CountryCode	<a href="#">string</a>		NO	The ISO country code.

Filters/ DiscountCode	<a href="#">string</a>		NO	The discount code.
Filters/ ProductOrderedID	<a href="#">positiveInteger</a>		NO	An id of one of the products in the order.
Filters/ FromDate	<a href="#">dateTime</a>		NO	Return only records saved on or after this date.
Filters/ ToDate	<a href="#">dateTime</a>		NO	Return only records saved on or before this date.
Filters/ HideExported	<a href="#">boolean</a>		NO	0 - exclude already exported 1 - include already exported

Table 10 - SearchOrdersRequest Example XML

```
<?xml version="1.0"?>
  <SearchOrdersRequest xmlns="http://www.productcart.com/schema/xmltools/v1">
    <PartnerID>7B4WIZ7L220AVD2</PartnerID>
    <PartnerPassword>123456789</PartnerPassword>
    <PartnerKey>FDG-23947ikgfnmksgfiuijjmsgik</PartnerKey>
    <CallbackURL>https://www.productcart.com/xmlClientApp</CallbackURL>
    <Filters>
      <CustomerID></CustomerID>
      <CustomerType></CustomerType>
      <PricingCategoryID></PricingCategoryID>
      <OrderStatus></OrderStatus>
      <PaymentStatus></PaymentStatus>
      <PaymentType></PaymentType>
      <StateCode></StateCode>
      <CountryCode></CountryCode>
      <DiscountCode></DiscountCode>
      <ProductOrderedID></ProductOrderedID>
      <FromDate></FromDate>
      <ToDate></ToDate>
      <HideExported></HideExported>
    </Filters>
  </SearchOrdersRequest>
```

### SearchOrders Response

The Response is the results list of all elements matching the search criteria. Use the ID values in the results list along with its corresponding "GetDetails" method to obtain additional details for each element.

Table 11 - SearchOrdersResponse Output

Element (XPath)	<a href="#">Type</a>	Length	Default	Description/ Values
SearchOrdersResponse/	container		YES	Contains the SearchOrders Request results details.

<a href="#">RequestKey</a>	<a href="#">string</a>	30	YES	The ProductCart generated key for the xml request document. Only returns on the xml result document
<a href="#">RequestStatus</a>	<a href="#">integer</a>		YES	See <a href="#">Status Codes</a> Table
Count	<a href="#">positiveInteger</a>		YES*	The total number of results. *- A default element when there is a result set.
Orders/	complex		YES	Contains a list of Order IDs.
Orders/ <a href="#">OrderID</a>	<a href="#">positiveInteger</a>		YES	The value corresponding to the unique identity column "idOrder" in the ProductCart database.

Table 12 - SearchOrdersResponse Example XML

```
<?xml version="1.0"?>
  <SearchOrdersResponse xmlns="http://www.productcart.com/schema/xmltools/v1">
    <RequestKey>3516277FFAH14HW</RequestKey>
    <RequestStatus>200</RequestStatus>
    <Count>4</Count>
    <Orders>
      <OrderID>2</OrderID>
      <OrderID>4</OrderID>
      <OrderID>6</OrderID>
      <OrderID>8</OrderID>
    </Orders>
  </SearchOrdersResponse>
```

## GetProductDetails

The [Details](#) Method is one of the most useful tools because it returns all the available details for a particular element ID. The method is typically called after invoking one of the search methods or new methods, to obtain all related details.

### GetProductDetails Request

The Detail Request is comprised of only the ID value for the Product you are requesting details.

Table 13 - GetProductDetailsRequest Input

Element (XPath)	Type	Length	Required	Description/ Values
GetProductDetailsRequest	container		YES	The Root XML element in the XML request that contains all the required parameters.

<a href="#">PartnerID</a>	<a href="#">string</a>		YES	The partner ID of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerPassword</a>	<a href="#">string</a>		YES	The Password of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerKey</a>	<a href="#">string</a>	30	YES	The unique key of the register partner that has permission to access ProductCart XML Tools.
<a href="#">CallbackURL</a>	<a href="#">string</a>		NO	URL that we will send xml result documents
ProductID	<a href="#">positiveInteger</a>		YES	The value corresponding to the unique identity column "OrderID" in the ProductCart database.
ExportedFlag	<a href="#">boolean</a>		NO	0 - Flag as NOT Exported 1 - Flag as Exported  Defaults to Exported status
Requests	container		NO	Holds the Request Nodes.
Request	<a href="#">string</a>		NO	You may optionally add <Request> nodes to your XML request document to "expand" or "drill down" the size of the results document.  See " <a href="#">Using the &lt;Requests&gt; element</a> " for details.

Table 14 - GetProductDetailsRequest Example XML

```
<?xml version="1.0"?>
  <GetProductDetailsRequest
xmlns="http://www.productcart.com/schema/xmltools/v1">
    <PartnerID>7B4WIZ7L220AVD2</PartnerID>
    <PartnerPassword>123456789</PartnerPassword>
    <PartnerKey>FDG-23947ikgfnmksgfiuijjmsgik</PartnerKey>
    <CallbackURL></CallbackURL>
    <ProductID>740</ProductID>
    <ExportedFlag>0</ExportedFlag>
  </GetProductDetailsRequest>
```

### ***GetProductDetails Response***

The Detail Response contains all the available Product Details.

Table 15 - GetProductDetailsResponse Output

Element (XPath)	Type	Length	Default	Description/ Values
GetProductDetailsResponse/	container		YES	Contains the GetProductDetails Request results details.
<a href="#">RequestKey</a>	<a href="#">string</a>	30	YES	The ProductCart generated key for the xml request document. Only returns on the xml result document
<a href="#">RequestStatus</a>	<a href="#">integer</a>		YES	See <a href="#">Status Codes</a> Table
ExportedFlag	<a href="#">boolean</a>		YES	1 = Product has been exported 0 = Product has NOT been exported  Use this optional parameter in your application to keep track of which products have and have not been exported.
Product/	complex		YES	Contains Product Detail Element Tags
Product/ ProductID	<a href="#">positiveInteger</a>		YES	The value corresponding to the unique identity column in the ProductCart database.
Product/ <a href="#">SKU</a>	<a href="#">string</a>		YES	The user defined identity of the Product or Item.
Product/ <a href="#">Name</a>	<a href="#">string</a>		YES	The Name of a Product or Item.
Product/ Description	<a href="#">string</a>		YES	The long description of the product.
Product/ ShortDescription	<a href="#">string</a>		YES	The short description of the product.
Product/ <a href="#">Type</a>	<a href="#">nonNegativeInteger</a>		YES	The product type. 0 - Standard 1 - BTO Product 2 - BTO Item
Product/ <a href="#">Price</a>	<a href="#">double</a>		YES	The price of the product.
Product/ ListPrice	<a href="#">double</a>		YES	The list price of the product.
Product/ WholesalePrice	<a href="#">double</a>		YES	The wholesale price of the product.
Product/ <a href="#">Weight</a> /	complex		YES	A container element that holds the Shipping Weight.

Product/ Weight/ <a href="#">Pounds</a>	<a href="#">nonNegativeInteger</a>		YES	The Weight in Pounds
Product/ Weight/ <a href="#">Ounces</a>	<a href="#">nonNegativeInteger</a>		YES	The Weight in Ounces
Product/ Weight/ <a href="#">Kilograms</a>	<a href="#">nonNegativeInteger</a>		YES	The Weight in Kilograms
Product/ Weight/ <a href="#">Grams</a>	<a href="#">nonNegativeInteger</a>		YES	The Weight in Grams
Product/ Weight/ UnitsToPound	<a href="#">positiveInteger</a>		YES	The number of units that make up a Pound.
Product/ Stock	<a href="#">integer</a>		YES	The number of items in inventory.
Product/ Category/	complex		NO	A container that holds the category details.
Product/ Category/ ID	<a href="#">positiveInteger</a>		NO	The unique ID of the category.
Product/ Category/ Name	<a href="#">string</a>		NO	The Name of the category.
Product/ Category/ Description	<a href="#">string</a>		NO	The Category Description.
Product/ Category/ ShortDescription	<a href="#">string</a>		NO	The Short Category Description.
Product/ Category/ Image	<a href="#">string</a>		NO	The image file's name with extension.
Product/ Category/ LargeImage	<a href="#">string</a>		NO	The image file's name with extension.
Product/ Category/ ParentID	<a href="#">positiveInteger</a>		NO	The unique ID of the Parent Category.
Product/ Category/ ParentName	<a href="#">string</a>		NO	The Name of the Parent Category.

Product/ Brand/	complex		NO	A container that hold the Brand Details.
Product/ Brand/ ID	<a href="#">positiveInteger</a>		NO	The unique ID of the Brand.
Product/ Brand/ Name	<a href="#">string</a>		NO	The Name of the Brand
Product/ Brand/ Logo	<a href="#">string</a>		NO	The file Name of the Brand logo.
Product/ SmallImage	<a href="#">string</a>		YES	The file Name of the image.
Product/ Image	<a href="#">string</a>		YES	The file Name of the image.
Product/ LargeImage	<a href="#">string</a>		YES	The file Name of the image.
Product/ IsActive	<a href="#">boolean</a>		YES	0 - Inactive Product 1- Active Product
Product/ ShowSavings	<a href="#">boolean</a>		YES	0- Don't Show 1- Show
Product/ Special	<a href="#">boolean</a>		YES	0- Don't Show 1- Show
Product/ Featured	<a href="#">boolean</a>		YES	0- Don't Show 1- Show
Product/ OptionGroup/	complex		NO	The container that holds the option group options and details.
Product/ OptionGroup/ Name	<a href="#">string</a>		NO	The name of the option group.
Product/ OptionGroup/ Required	<a href="#">boolean</a>		NO	0 - Not Required 1- Required
Product/ OptionGroup/ SortOrder	<a href="#">nonNegativeInteger</a>		NO	The sort order of the option group. The order the option group is displayed on the screen.
Product/ OptionGroup/ Option/	complex		NO	A container that holds the options details.
Product/ OptionGroup/ Option/ Name	<a href="#">string</a>		NO	The name of the option.



Product/ OptionGroup/ Option/ Price	<a href="#">double</a>		NO	The additional option charge.
Product/ OptionGroup/ Option/ WholesalePrice	<a href="#">double</a>		NO	The additional option charge for wholesale customers.
Product/ OptionGroup/ Option/ SortOrder	<a href="#">nonNegativeInteger</a>		NO	The order this option is displayed with the drop menu.
Product/ OptionGroup/ Option/ InActive	<a href="#">boolean</a>		NO	0 - inactive option 1- active option
Product/ RewardPoints	<a href="#">nonNegativeInteger</a>		NO	The number of points awarded for purchasing this item.
Product/ NoTax	<a href="#">boolean</a>		YES	0 - no tax 1 - taxable
Product/ NoShippingCharge	<a href="#">boolean</a>		YES	0 - shipping charge 1- No Shipping charge
Product/ NotForSale	<a href="#">boolean</a>		YES	0 - for sale 1 - not for sale
Product/ NotForSaleMessage	<a href="#">string</a>		NO	Message displayed to customers when NotForSale = 1 (True)
Product/ DisregardStock	<a href="#">boolean</a>		YES	0 - keep stock 1 - disregard stock
Product/ DisplayNoShippingText	<a href="#">string</a>		YES	Message displayed when shipping is disabled.
Product/ MinimumQuantity	<a href="#">nonNegativeInteger</a>		YES	Number of minimum quantity you must purchase at once.
Product/ PurchaseMultiple	<a href="#">positiveInteger</a>		YES	Must purchase in multiples of this number.
Product/ Oversized/	complex		NO	A container that holds all the details for oversized items.
Product/ Oversized/ Width	<a href="#">positiveInteger</a>		NO	Width of item
Product/ Oversized/ Height	<a href="#">positiveInteger</a>		NO	Height of item.

Product/ Oversized/ Length	<a href="#">positiveInteger</a>		NO	Length of item.
Product/ Oversized/ PackageSize	<a href="#">nonNegativeInteger</a>		NO	Code representing package size.  Standard = 0 Oversized = 1 Oversized 2 = 2 Oversized 3 = 3
Product/ Cost	<a href="#">double</a>		NO	The cost of the Product.
Product/ AllowBackOrder	<a href="#">boolean</a>		YES	0 - do not allow back ordering 1 - back ordering enabled
Product/ BackOrderNDays	<a href="#">positiveInteger</a>		YES	Number of days for a back order
Product/ LowStockNotice	<a href="#">boolean</a>		YES	Send low stock notice 0 - no 1- yes
Product/ ReorderLevel	<a href="#">integer</a>		YES	Number in stock which triggers a reorder level notice email
Product/ IsDropShipped	<a href="#">boolean</a>		YES	0 - not drop shipped 1- drop shipped
Product/ SupplierID	<a href="#">positiveInteger</a>		YES	The ID of the supplier.
Product/ DropShipperID	<a href="#">positiveInteger</a>		YES	The ID of the drop shipper.
Product/ MetaTags/	complex		NO	A container that holds the meta tag details.
Product/ MetaTags/ Title	<a href="#">string</a>		NO	Meta title
Product/ MetaTags/ Description	<a href="#">string</a>		NO	Meta Description
Product/ MetaTags/ Keywords	<a href="#">string</a>		NO	Meta Keywords
Product/ Downloadable	<a href="#">boolean</a>		NO	0 - not downloadable 1 - downloadable
Product/ DownloadDetails/	complex		NO	A container that holds the download details.

Product/ DownloadInfo/ FileLocation	<a href="#">string</a>		NO	The location of the download.
Product/ DownloadInfo/ Expires	<a href="#">boolean</a>		NO	0 - does not expire 1- expires
Product/ DownloadInfo/ ExpiresNDays	<a href="#">positiveInteger</a>		NO	Days to expiration.
Product/ DownloadInfo/ DeliverLicense	<a href="#">integer</a>		NO	Send a key
Product/ DownloadInfo/ LocalFile	<a href="#">string</a>		NO	Local key file
Product/ DownloadInfo/ RemoteFile	<a href="#">string</a>		NO	Remote key file
Product/ DownloadInfo/ LicenseField1	<a href="#">string</a>		NO	License Field
Product/ DownloadInfo/ LicenseField2	<a href="#">string</a>		NO	License Field
Product/ DownloadInfo/ LicenseField3	<a href="#">string</a>		NO	License Field
Product/ DownloadInfo/ LicenseField4	<a href="#">string</a>		NO	License Field
Product/ DownloadInfo/ LicenseField5	<a href="#">string</a>		NO	License Field
Product/ DownloadInfo/ Message	<a href="#">string</a>		NO	Optional Message for the customer.
Product/ GiftCertificate	<a href="#">boolean</a>		NO	0 - not a gift certificate 1 - gift certificate
Product/ GiftCertificateDetails/	complex		NO	A container the holds the gift certificate details.
Product/ GiftCertificateDetails/ Expires	<a href="#">boolean</a>		NO	0 - does not expire 1 - expires

Product/ GiftCertificateDetails/ ElectronicOnly	<a href="#">boolean</a>		NO	0 - not electronic only 1 - electronic only
Product/ GiftCertificateDetails/ ExpiresDate	<a href="#">dateTime</a>		NO	Date of the expiration.
Product/ GiftCertificateDetails/ ExpiresNDays	<a href="#">positiveInteger</a>		NO	Number of days to expiration.
Product/ GiftCertificateDetails/ Generator	<a href="#">nonNegativeInteger</a>		NO	0 - Default Key 1 - Custom Key
Product/ GiftCertificateDetails/ CustomFileLocation	<a href="#">string</a>		NO	Location of key
Product/ HideBTOPrices	<a href="#">boolean</a>		NO	0 - do not hide prices 1 - hide prices
Product/ HideDefaultConfiguration	<a href="#">boolean</a>		NO	0 - do not hide 1 - hide
Product/ DisallowPurchasing	<a href="#">boolean</a>		NO	0 - allow purchasing 1 - disallow purchasing
Product/ SkipProductPage	<a href="#">boolean</a>		NO	0 - go to product page 1 - go to configuration page
Product/ CustomField/	complex		NO	A container that holds all of the customer field information
Product/ CustomField/ ID	<a href="#">positiveInteger</a>		NO	Id of the custom field.
Product/ CustomField/ Name	<a href="#">string</a>		NO	Name of the custom field
Product/ CustomField/ Value	<a href="#">string</a>		NO	The value of the custom field.
Product/ DateCreated	<a href="#">dateTime</a>		NO	The date the product was created.

Table 16 - GetProductDetailsResponse Example XML

```
<?xml version="1.0"?>
  <GetProductDetailsResponse
xmlns="http://www.productcart.com/schema/xmltools/v1">
    <RequestKey>7B4WIZ7L220AVD2</RequestKey>
    <RequestStatus>200</RequestStatus>
```

```

    <ExportedFlag>0</ExportedFlag>
    <Product>
      <ProductID>1080</ProductID>
      <SKU>AOJAS800</SKU>
      <Name>Ceramic Wall Flip Flops</Name>
      <Description>Long description.</Description>
      <ShortDescription>Short description.</ShortDescription>
      <Type>0</Type>
      <Price>18.95</Price>
      <ListPrice>20.85</ListPrice>
      <WholesalePrice>1</WholesalePrice>
      <Weight>
        <Pounds>2</Pounds>
        <Ounces>0</Ounces>
        <Kilograms>2</Kilograms>
        <Grams>0</Grams>
        <UnitsToPound></UnitsToPound>
      </Weight>
      <Stock>2</Stock>
      <Category>
        <ID>14</ID>
        <Name>Paintings</Name>
        <Description>Description of Paintings.</Description>
        <ShortDescription>Short Description of
Paintings.</ShortDescription>
        <Image>image.jpg</Image>
        <LargeImage>largeimage.jpg</LargeImage>
        <ParentID>6</ParentID>
        <ParentName>Artwork</ParentName>
      </Category>
      <Brand>
        <ID>22</ID>
        <Name>Ansel Adams</Name>
        <Logo>ansel.gif</Logo>
      </Brand>
      <SmallImage>AOJAS800-AddSunFFs-Sm.jpg</SmallImage>
      <Image>AOJAS800-AddSunFFs.jpg</Image>
      <LargeImage>AOJAS800-AddSunFFs-Lg.jpg</LargeImage>
      <IsActive>1</IsActive>
      <ShowSavings>1</ShowSavings>
      <Special>1</Special>
      <Featured>0</Featured>
      <OptionGroup>
        <Name>Frames</Name>
        <Required>1</Required>
        <SortOrder>1</SortOrder>
        <Option>
          <Name>Maple</Name>
          <Price>5.00</Price>
          <WholesalePrice>4.00</WholesalePrice>
          <SortOrder>1</SortOrder>
          <Inactive>1</Inactive>
        </Option>
        <Option>
          <Name>Wood Grain</Name>
          <Price>5.00</Price>
          <WholesalePrice>4.00</WholesalePrice>
          <SortOrder>2</SortOrder>
          <Inactive>1</Inactive>
        </Option>
      </OptionGroup>

```

```

<RewardPoints>200</RewardPoints>
<NoTax>0</NoTax>
<NoShippingCharge>0</NoShippingCharge>
<NotForSale>0</NotForSale>
<NotForSaleMessage></NotForSaleMessage>
<DisregardStock>0</DisregardStock>
<DisplayNoShipText>0</DisplayNoShipText>
<MinimumQuantity>0</MinimumQuantity>
<PurchaseMultiple>0</PurchaseMultiple>
<Oversized>1</Oversized>
<Oversized>
  <Width>120</Width>
  <Height>220</Height>
  <Length>420</Length>
  <PackageSize>420</PackageSize>
</Oversized>
<Cost></Cost>
<AllowBackOrder>0</AllowBackOrder>
<BackOrderNDays>0</BackOrderNDays>
<LowStockNotice>0</LowStockNotice>
<ReorderLevel>0</ReorderLevel>
<IsDropShipped>0</IsDropShipped>
<SupplierID></SupplierID>
<DropShipperID></DropShipperID>
<MetaTags>
  <Title></Title>
  <Description></Description>
  <Keywords></Keywords>
</MetaTags>
<Downloadable></Downloadable>
<DownloadDetails>
  <FileLocation></FileLocation>
  <Expires></Expires>
  <ExpiresNDays></ExpiresNDays>
  <DeliverLicense></DeliverLicense>
  <LocalFile></LocalFile>
  <RemoteFile></RemoteFile>
  <LicenseField1></LicenseField1>
  <LicenseField2></LicenseField2>
  <LicenseField3></LicenseField3>
  <LicenseField4></LicenseField4>
  <LicenseField5></LicenseField5>
  <Message></Message>
</DownloadDetails>
<GiftCertificate></GiftCertificate>
<GiftCertificateDetails>
  <Expires></Expires>
  <ElectronicOnly></ElectronicOnly>
  <ExpiresDate></ExpiresDate>
  <ExpiresNDays></ExpiresNDays>
  <Generator></Generator>
  <CustomFileLocation></CustomFileLocation>
</GiftCertificateDetails>
<HideBTOPrices></HideBTOPrices>
<HideDefaultConfiguration></HideDefaultConfiguration>
<DisallowPurchasing></DisallowPurchasing>
<SkipProductPage></SkipProductPage>
<CustomField>
  <ID></ID>
  <Name></Name>
  <Value></Value>

```

```

        </CustomField>
        <DateCreated></DateCreated>
    </Product>
</GetProductDetailsResponse>

```

## GetCustomerDetails

The Details Method is one of the most useful tools because it returns all the available details for a particular element ID. The method is typically called after invoking one of the search methods or new methods, to obtain all related details.

### GetCustomerDetails Request

The Request Method only requires the ID of the Customer for which you want to view details.

Table 17 - GetCustomerDetailsRequest Input

Element (XPath)	Type	Length	Required	Description/ Values
GetCustomerDetailsRequest	container		YES	The Root XML element in the XML request that contains all the required parameters.
<a href="#">PartnerID</a>	<a href="#">string</a>		YES	The partner ID of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerPassword</a>	<a href="#">string</a>		YES	The Password of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerKey</a>	<a href="#">string</a>	30	YES	The unique key of the register partner that has permission to access ProductCart XML Tools.
<a href="#">CallbackURL</a>	<a href="#">string</a>		NO	URL that we will send xml result documents
CustomerID	<a href="#">positiveInteger</a>		YES	The value corresponding to the unique identity column "OrderID" in the ProductCart database.
ExportedFlag	<a href="#">boolean</a>		NO	0 - Flag as NOT Exported 1 - Flag as Exported  Defaults to Exported status
Requests	container		NO	Holds the Request Nodes.
Request	<a href="#">string</a>		NO	You may optionally add <Request> nodes to your XML request document to "expand" or "drill down" the size of the results document.

				See " <a href="#">Using the &lt;Requests&gt; element</a> " for details.
--	--	--	--	---

Table 18 - GetCustomerDetailsRequest Example XML

```
<?xml version="1.0"?>
  <GetCustomerDetailsRequest
xmlns="http://www.productcart.com/schema/xmltools/v1">
  <PartnerID>7B4WIZ7L220AVD2</PartnerID>
  <PartnerPassword>123456789</PartnerPassword>
  <PartnerKey>FDG-23947ikgfnmksgfiuijjmsgik</PartnerKey>
  <CallbackURL></CallbackURL>
  <CustomerID>740</CustomerID>
  <ExportedFlag>0</ExportedFlag>
</GetCustomerDetailsRequest>
```

**GetCustomerDetails Response**

The response contains all available Customer Information.

Table 19 - GetCustomerDetailsResponse Output

Element (XPath)	<a href="#">Type</a>	Length	Default	Description/ Values
GetCustomerDetailsResponse/	container		YES	Contains the GetCustomer Request results details.
<a href="#">RequestKey</a>	<a href="#">string</a>	30	YES	The ProductCart generated key for the xml request document. Only returns on the xml result document
<a href="#">RequestStatus</a>	<a href="#">integer</a>		YES	See <a href="#">Status Codes</a> Table
ExportedFlag	<a href="#">boolean</a>		YES	1 = Customer has been exported 0 = Customer has NOT been exported  Use this optional parameter in your application to keep track of which customers have and have not been exported.
Customer/	complex		YES	Contains Order Detail Element Tags
Customer/ CustomerID	<a href="#">positiveInteger</a>		YES	The value corresponding to the unique identity column "idOrder" in the ProductCart database.
Customer/ Type	<a href="#">integer</a>		YES	The customer type.



Customer/ <a href="#">BillingAddress/</a>	complex		YES	A container element that holds the customer details.
Customer/ BillingAddress/ <a href="#">FirstName</a>	<a href="#">string</a>		YES	The First Name of the buyer.
Customer/ BillingAddress/ <a href="#">LastName</a>	<a href="#">string</a>		YES	The Last Name of the buyer.
Customer/ BillingAddress/ <a href="#">Email</a>	<a href="#">string</a>		YES	The email of the buyer.
Customer/ BillingAddress/ <a href="#">Company</a>	<a href="#">string</a>		YES	The company of the buyer.
Customer/ BillingAddress/ <a href="#">Phone</a>	<a href="#">string</a>		YES	The phone number of the buyer.
Customer/ BillingAddress/ <a href="#">Fax</a>	<a href="#">string</a>		YES	The fax number of the buyer.
Customer/ BillingAddress/ <a href="#">Address</a>	<a href="#">string</a>		YES	The Address of the buyer.
Customer/ BillingAddress/ <a href="#">Address2</a>	<a href="#">string</a>		YES	Address line 2 of the buyer.
Customer/ BillingAddress/ <a href="#">City</a>	<a href="#">string</a>		YES	The city of the buyer.
Customer/ BillingAddress/ <a href="#">StateCode</a>	<a href="#">string</a>		YES	The ISO Code of the buyer's region.
Customer/ BillingAddress/ <a href="#">Province</a>	<a href="#">string</a>		YES	The Province of the buyer.
Customer/ BillingAddress/ <a href="#">PostalCode</a>	<a href="#">string</a>		YES	The Postal Code of the buyer.
Customer/ BillingAddress/ <a href="#">CountryCode</a>	<a href="#">string</a>		YES	The ISO County Code of the buyer.
Customer/ <a href="#">ShippingAddress/</a>	complex		YES	A container element that holds the customer recipient details.

Customer/ ShippingAddress/ ID	<a href="#">nonNegativeInteger</a>		YES	Recipient address ID. If this is the default address the ID is "0".
Customer/ ShippingAddress/ NickName	<a href="#">string</a>		YES	Recipient address nickname. If this is the default address the nickname is empty.  Example: <NickName/> or <NickName>Office</NickName>
Customer/ ShippingAddress/ FirstName	<a href="#">string</a>		YES	Recipient's first name.
Customer/ ShippingAddress/ LastName	<a href="#">string</a>		YES	Recipient's last name.
Customer/ ShippingAddress/ <a href="#">Email</a>	<a href="#">string</a>		YES	The email of the Recipient.
Customer/ ShippingAddress/ <a href="#">Company</a>	<a href="#">string</a>		YES	The company of the Recipient.
Customer/ ShippingAddress/ <a href="#">Address</a>	<a href="#">string</a>		YES	The Address of the Recipient.
Customer/ ShippingAddress/ <a href="#">Address2</a>	<a href="#">string</a>		YES	Address line 2 of the Recipient.
Customer/ ShippingAddress/ <a href="#">City</a>	<a href="#">string</a>		YES	The City of the Recipient.
Customer/ ShippingAddress/ <a href="#">StateCode</a>	<a href="#">string</a>		YES	The ISO Code of the Recipient's region.
Customer/ ShippingAddress/ <a href="#">Province</a>	<a href="#">string</a>		YES	The Province of the Recipient.
Customer/ ShippingAddress/ <a href="#">PostalCode</a>	<a href="#">string</a>		YES	The Post Code of the Recipient.
Customer/ ShippingAddress/ <a href="#">CountryCode</a>	<a href="#">string</a>		YES	The ISO Code of the Recipient's Country.
Customer/ ShippingAddress/ <a href="#">Phone</a>	<a href="#">string</a>		YES	The phone number of the Recipient.

Customer/ ShippingAddress/ Fax	<a href="#">string</a>		YES	The Fax number of the Recipient.
Customer/ RewardPoints	<a href="#">nonNegativeInteger</a>		NO	The total reward points earned.
Customer/ RewardPointsUsed	<a href="#">integer</a>		NO	The total reward points used.
Customer/ CustomerCategoryPricing/	complex		YES	The contain that holds all the customer category pricing details
Customer/ CustomerCategoryPricing/ ID	<a href="#">positiveInteger</a>		YES	The id of the pricing category
Customer/ CustomerCategoryPricing/ Name	<a href="#">string</a>		YES	The name of the pricing category
Customer/ CustomerField/	complex		NO	The container that holds all the customer field details.
Customer/ CustomerField/ ID	<a href="#">positiveInteger</a>		NO	The id of the customer field.
Customer/ CustomerField/ Name	<a href="#">string</a>		NO	The name of the customer field.
Customer/ CustomerField/ Value	<a href="#">string</a>		NO	The value of the customer field.
Customer/ Newsletter	<a href="#">boolean</a>		YES	0 - not subscribed 1- subscriber
Customer/ TotalOrders	<a href="#">nonNegativeInteger</a>		NO	The total number of orders.
Customer/ TotalSales	<a href="#">nonNegativeInteger</a>		NO	The total sales figure for this customer.
Customer/ DateCreated	<a href="#">dateTime</a>		YES	The date this customer registered.
Customer/ Status	<a href="#">integer</a>		YES	The customer's status.

Table 20 - GetCustomerDetailsResponse Example XML

```
<?xml version="1.0"?>
  <GetCustomerDetailsResponse
xmlns="http://www.productcart.com/schema/xmltools/v1">
    <RequestKey>7B4WIZ7L220AVD2</RequestKey>
```

```

<RequestStatus>200</RequestStatus>
<ExportedFlag>0</ExportedFlag>
<Customer>
  <CustomerID>2468</CustomerID>
  <Password></Password>
  <Type></Type>
  <BillingAddress>
    <FirstName>Joe</FirstName>
    <LastName>Weber</LastName>
    <Email>Joe@earlyimpact.com</Email>
    <Company>Early Impact, LLC</Company>
    <Address>55 Main Street</Address>
    <Address2>PO Box 1234</Address2>
    <City>City</City>
    <StateCode>PA</StateCode>
    <Province/>
    <PostalCode>19555</PostalCode>
    <CountryCode>US</CountryCode>
    <Phone>5555555555</Phone>
    <Fax>5555555555</Fax>
  </BillingAddress>
  <ShippingAddress>
    <ID>0</ID>
    <NickName/>
    <FirstName>Joe</FirstName>
    <LastName>Weber</LastName>
    <Email>Joe@earlyimpact.com</Email>
    <Company>Early Impact, LLC</Company>
    <Address>55 Main Street</Address>
    <Address2>PO Box 1234</Address2>
    <City>City</City>
    <StateCode>PA</StateCode>
    <Province/>
    <PostalCode>19555</PostalCode>
    <CountryCode>US</CountryCode>
    <Phone>5555555555</Phone>
    <Fax>5555555555</Fax>
  </ShippingAddress>
  <ShippingAddress>
    <ID>2</ID>
    <NickName>Office</NickName>
    <FirstName>Joe</FirstName>
    <LastName>Weber</LastName>
    <Email>Joe@earlyimpact.com</Email>
    <Company>Early Impact, LLC</Company>
    <Address>5522 Main Office Street</Address>
    <Address2>PO Box 1234</Address2>
    <City>City</City>
    <StateCode>PA</StateCode>
    <Province/>
    <PostalCode>19555</PostalCode>
    <CountryCode>US</CountryCode>
    <Phone>5555555555</Phone>
    <Fax>5555555555</Fax>
  </ShippingAddress>
  <RewardPoints></RewardPoints>
  <RewardPointsUsed></RewardPointsUsed>
  <CustomerCategoryPricing>
    <ID></ID>
    <Name></Name>
  </CustomerCategoryPricing>

```

```

    <CustomerField>
      <ID></ID>
      <Name></Name>
      <Value></Value>
    </CustomerField>
    <Newsletter></Newsletter>
    <TotalOrders></TotalOrders>
    <TotalSales></TotalSales>
    <DateCreated></DateCreated>
    <Status></Status>
  </Customer>
</GetCustomerDetailsResponse>

```

## GetOrderDetails

GetOrderDetails is a powerful method: when invoked it returns all applicable order information including, but not limited to, the totals, billing address, shipping address, fulfillment & payment status, and shopping cart contents (details on the products that were ordered). It is commonly used in conjunction with other methods. For example, to view the details of the Orders contained within a "[SearchOrders](#)" or "[NewOrders](#)" Response.

### GetOrderDetails Request

To call the GetOrderDetails method you must know the Order ID, which is an integer corresponding to the identity column "OrderID" in the *Orders* table in the store database. You may optionally call the "SearchOrders" or "NewOrders" methods to locate and retrieve the Order ID values. Then you invoke the GetOrderDetails Request with Order ID in the format specified below.

Table 21 - GetOrderDetails Request Input

Element (XPath)	Type	Length	Required	Description/ Values
<a href="#">GetOrderDetailsRequest</a>	container		YES	The Root XML element in the XML request that contains all the required parameters.
<a href="#">PartnerID</a>	<a href="#">string</a>		YES	The partner ID of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerPassword</a>	<a href="#">string</a>		YES	The Password of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerKey</a>	<a href="#">string</a>	30	YES	The unique key of the register partner that has permission to access ProductCart XML Tools.
<a href="#">CallbackURL</a>	<a href="#">string</a>		NO	URL that we will send xml result documents
<a href="#">OrderID</a>	<a href="#">positiveInteger</a>		YES	The value corresponding to the unique identity column "OrderID" in the ProductCart database.

ExportedFlag	<a href="#">boolean</a>		NO	0 - Flag as NOT Exported 1 - Flag as Exported  Defaults to Exported status
Requests	container		NO	Holds the Request Nodes.
Request	<a href="#">string</a>		NO	You may optionally add <Request> nodes to your XML request document to "expand" or "drill down" the size of the results document.  See " <a href="#">Using the &lt;Requests&gt; element</a> " for details.

Table 22 - GetOrderDetails Request Example XML

```
<?xml version="1.0"?>
  <GetOrderDetailsRequest xmlns="http://www.productcart.com/schema/xmltools/v1">
    <PartnerID>7B4WIZ7L220AVD2</PartnerID>
    <PartnerPassword>123456789</PartnerPassword>
    <PartnerKey>FDG-23947ikgfnmksgfiuijjmsgik</PartnerKey>
    <CallbackURL>https://www.productcart.com/xmlClientApp</CallbackURL>
    <OrderID>740</OrderID>
    <ExportedFlag>0</ExportedFlag>
  </GetOrderDetailsRequest>
```

### GetOrderDetails Response

The GetOrderDetails Response returns all applicable order information including, but not limited to, the totals, billing address, shipping address, fulfillment & payment status, and shopping cart contents. A common scenario would be to retrieve the Order ID for all new orders with the "NewOrders" method and the call GetOrderDetails for each of the Order IDs to import the details into your application.

Table 23 - GetOrderDetails Response Output

Element (XPath)	<a href="#">Type</a>	Length	Default	Description/ Values
<a href="#">GetOrderDetailsResponse/</a>	container		YES	Contains Order Details Information
<a href="#">RequestKey</a>	<a href="#">string</a>	30	YES	The ProductCart generated key for the xml request document. Only returns on the xml result document
<a href="#">RequestStatus</a>	<a href="#">integer</a>		YES	See <a href="#">Status Codes</a> Table

ExportedFlag	<a href="#">boolean</a>		YES	1 = order has been exported 0 = order has NOT been exported  Use this optional parameter in your application to keep track of which orders have and have not been exported.
<a href="#">Order/</a>	complex		YES	Contains Order Detail Element Tags
<a href="#">Order/OrderID</a>	<a href="#">positiveInteger</a>		YES	The value corresponding to the unique identity column "idOrder" in the ProductCart database.
<a href="#">Order/Name</a>	<a href="#">string</a>		YES	The customer defined name of the Order. If there is no name, "No Name" is returned.
<a href="#">Order/Date</a>	<a href="#">dateTime</a>		YES	The date and time the order was placed. Returned in the format specified in the ProductCart settings.
<a href="#">Order/CustomerID</a>	<a href="#">positiveInteger</a>		YES	The unique ID of the customer corresponding to the identity column in the ProductCart database.
<a href="#">Order/Total</a>	<a href="#">double</a>		YES	The cost of the order.
<a href="#">Order/ProcessedDate</a>	<a href="#">dateTime</a>		YES	The date the order was marked as Processed.
<a href="#">Order/BillingAddress/</a>	complex		YES	A container element that holds the customer details.
<a href="#">Order/BillingAddress/FirstName</a>	<a href="#">string</a>		YES	The First Name of the buyer.
<a href="#">Order/BillingAddress/LastName</a>	<a href="#">string</a>		YES	The Last Name of the buyer.
<a href="#">Order/BillingAddress/Email</a>	<a href="#">string</a>		YES	The email of the buyer.
<a href="#">Order/BillingAddress/Company</a>	<a href="#">string</a>		YES	The company of the buyer.
<a href="#">Order/BillingAddress/Phone</a>	<a href="#">string</a>		YES	The phone number of the buyer.

Order/ BillingAddress/ <a href="#">Fax</a>	<a href="#">string</a>		YES	The fax number of the buyer.
Order/ BillingAddress/ <a href="#">Address</a>	<a href="#">string</a>		YES	The Address of the buyer.
Order/ BillingAddress/ <a href="#">Address2</a>	<a href="#">string</a>		YES	Address line 2 of the buyer.
Order/ BillingAddress/ <a href="#">City</a>	<a href="#">string</a>		YES	The city of the buyer.
Order/ BillingAddress/ <a href="#">StateCode</a>	<a href="#">string</a>		YES	The ISO Code of the buyer's region.
Order/ BillingAddress/ <a href="#">Province</a>	<a href="#">string</a>		YES	The Province of the buyer.
Order/ BillingAddress/ <a href="#">PostalCode</a>	<a href="#">string</a>		YES	The Postal Code of the buyer.
Order/ BillingAddress/ <a href="#">CountryCode</a>	<a href="#">string</a>		YES	The ISO County Code of the buyer.
Order/ <a href="#">ShippingAddress/</a>	complex		YES	A container element that holds the customer recipient details.
Order/ ShippingAddress/ <a href="#">FullName</a>	<a href="#">string</a>		YES	Recipients Full Name.
Order/ ShippingAddress/ <a href="#">Email</a>	<a href="#">string</a>		YES	The email of the Recipient.
Order/ ShippingAddress/ <a href="#">Company</a>	<a href="#">string</a>		YES	The company of the Recipient.
Order/ ShippingAddress/ <a href="#">Address</a>	<a href="#">string</a>		YES	The Address of the Recipient.
Order/ ShippingAddress/ <a href="#">Address2</a>	<a href="#">string</a>		YES	Address line 2 of the Recipient.
Order/ ShippingAddress/ <a href="#">City</a>	<a href="#">string</a>		YES	The City of the Recipient.



Order/ ShippingAddress/ <a href="#">StateCode</a>	<a href="#">string</a>		YES	The ISO Code of the Recipient's region.
Order/ ShippingAddress/ <a href="#">Province</a>	<a href="#">string</a>		YES	The Province of the Recipient.
Order/ ShippingAddress/ <a href="#">PostalCode</a>	<a href="#">string</a>		YES	The Post Code of the Recipient.
Order/ ShippingAddress/ <a href="#">CountryCode</a>	<a href="#">string</a>		YES	The ISO Code of the Recipient's Country.
Order/ ShippingAddress/ <a href="#">Phone</a>	<a href="#">string</a>		YES	The phone number of the Recipient.
Order/ ShippingAddress/ <a href="#">Fax</a>	<a href="#">string</a>		YES	The Fax number of the Recipient.
Order/ <a href="#">ShippingDetails/</a>	complex		YES	A container element that holds the shipping details.
Order/ ShippingDetails/ <a href="#">Method</a>	<a href="#">string</a>		YES	The method of shipment.  e.g. "FedEx Ground"
Order/ ShippingDetails/ <a href="#">Type</a>	<a href="#">string</a>		YES	The type of shipment.  e.g. Residential or Business
Order/ ShippingDetails/ <a href="#">Fees</a>	<a href="#">double</a>		YES	The amount of Additional Shipping Charges applied to an order.
Order/ ShippingDetails/ <a href="#">Handling</a>	<a href="#">double</a>		YES	The amount of Handling Charges applied to an order.
Order/ ShippingDetails/ <a href="#">PackageCount</a>	<a href="#">nonNegativeInteger</a>		YES	The number of packages in an order.
Order/ ShippingDetails/ <a href="#">Weight/</a>	complex		YES	A container element that holds the Shipping Weight.
Order/ ShippingDetails/ <a href="#">Weight/</a> <a href="#">Pounds</a>	<a href="#">nonNegativeInteger</a>		YES	The Weight in Pounds

Order/ ShippingDetails/ Weight/ <a href="#">Ounces</a>	<a href="#">nonNegativeInteger</a>		YES	The Weight in Ounces
Order/ ShippingDetails/ Weight/ <a href="#">Kilograms</a>	<a href="#">nonNegativeInteger</a>		YES	The Weight in Kilograms
Order/ ShippingDetails/ Weight/ <a href="#">Grams</a>	<a href="#">nonNegativeInteger</a>		YES	The Weight in Grams
Order/ ShippingDetails/ PackageDetails/	complex		YES	A container element that holds the Shipping Package Details.
Order/ ShippingDetails/ PackageDetails/ <a href="#">ID</a>	<a href="#">positiveInteger</a>		YES	The ID of the package details.
Order/ ShippingDetails/ PackageDetails/ <a href="#">Method</a>	<a href="#">string</a>		YES	The method of shipment.
Order/ ShippingDetails/ PackageDetails/ <a href="#">Date</a>	<a href="#">dateTime</a>		YES	The date of shipment.
Order/ ShippingDetails/ PackageDetails/ <a href="#">Comment</a>	<a href="#">string</a>		YES	A comment made about this Order.
Order/ ShippingDetails/ PackageDetails/ <a href="#">TrackingNumber</a>	<a href="#">string</a>		YES	The number used to track the package shipment.
Order/ <a href="#">DeliveryDate</a>	<a href="#">dateTime</a>		YES	The estimated delivery date, if available.

Order/ <a href="#">FulfillmentStatus</a>	<a href="#">integer</a>		YES	The order status. 2=Pending 3=Processed 4=Shipped 5=Cancelled 6=Return 7=Partially Shipped 8=Shipping 9=Partially Returned 10=Delivered 12=Archived
Order/ <a href="#">PaymentStatus</a>	<a href="#">integer</a>		YES	The payment status. 0=Pending 1=Authorized 2=Paid 3=Declined 4=Cancelled 5=Cancelled By Google 6=Refunded 7=Charging 8=Voided
Order/ <a href="#">PaymentDetails/</a>	complex		YES	This container holds all the payment detail for the Order.
Order/ PaymentDetails/ <a href="#">Method</a>	<a href="#">string</a>		YES	The method used for payment. E.g. PayPal Express
Order/ PaymentDetails/ <a href="#">Fees</a>	<a href="#">double</a>		YES	Additional Fees associated with the Payment Method
Order/ PaymentDetails/ <a href="#">AuthorizationCode</a>	<a href="#">string</a>		YES	The success code returned by the gateway.
Order/ PaymentDetails/ <a href="#">TransactionID</a>	<a href="#">string</a>		YES	The transaction ID returned by the gateway.
Order/ PaymentDetails/ <a href="#">PaymentGateway</a>	<a href="#">string</a>		YES	The payment gateway service used to process the transaction.
Order/ PaymentDetails/ <a href="#">Affiliate/</a>	complex		YES	This container holds all of the Affiliate Information.
Order/ PaymentDetails/ Affiliate/ <a href="#">ID</a>	<a href="#">positiveInteger</a>		YES	The ID of the Affiliate.

Order/ PaymentDetails/ Affiliate/ <a href="#">Name</a>	<a href="#">string</a>		YES	The Name of the Affiliate.
Order/ PaymentDetails/ Affiliate/ <a href="#">Amount</a>	<a href="#">double</a>		YES	The Value sent to the Affiliate.
Order/ <a href="#">RewardPoints</a>	<a href="#">integer</a>		NO	The number of RewardPoints Used.
Order/ <a href="#">RewardPointsAccrued</a>	<a href="#">nonNegativeInteger</a>		NO	The number of RewardPoints Earned.
Order/ <a href="#">Referrer/</a>	complex		NO	The container that hold the referrer information.
Order/ Referrer/ <a href="#">ID</a>	<a href="#">positiveInteger</a>		NO	The ID of the referrer.
Order/ Referrer/ <a href="#">Name</a>	<a href="#">string</a>		NO	The Name of the referrer.
Order/ <a href="#">RMACredit</a>	<a href="#">double</a>		NO	The value of Return Credit.
Order/ <a href="#">TotalTax</a>	<a href="#">double</a>		YES	The total value of tax charged for this Order.
Order/ <a href="#">TotalVAT</a>	<a href="#">double</a>		YES	The total value of VAT charged for this order.
Order/ <a href="#">TaxDetails/</a>	complex		NO	A container that holds the Tax Details.
Order/ TaxDetails/ <a href="#">Name</a>	<a href="#">string</a>		NO	The name of the unit of tax applied to the order.
Order/ TaxDetails/ <a href="#">Amount</a>	<a href="#">double</a>		NO	The value of the unit of tax applied to the order.
Order/ <a href="#">DiscountDetails/</a>	complex		YES	This container holds the Discount Information.
Order/ DiscountDetails/ <a href="#">Name</a>	<a href="#">string</a>		YES	The Name of the discount
Order/ DiscountDetails/ <a href="#">Amount</a>	<a href="#">double</a>		YES	The value of the discount.

Order/ <a href="#">GiftCertificate</a>	<a href="#">string</a>		YES	The total value of a Gift Certificate applied to the Order.
Order/ <a href="#">GiftCertificateUsed</a>	<a href="#">double</a>		YES	A Boolean "True" or "False" value statement whether or not a Gift Certificate was used on this Order.
Order/ <a href="#">CategoryDiscount</a>	<a href="#">double</a>		YES	The Total value of all Category-Based Discounts applied to this Order.
Order/ <a href="#">CustomerComments</a>	<a href="#">string</a>		YES	The customer's comments.
Order/ <a href="#">AdminComments</a>	<a href="#">string</a>		YES	The store administrator's comments.
Order/ <a href="#">ReturnDate</a>	<a href="#">dateTime</a>		YES	The Date of the return.
Order/ <a href="#">ReturnReason</a>	<a href="#">string</a>		YES	The reason for the return.
Order/ <a href="#">ShoppingCart/</a>	container		YES	A container object that holds all the Products Ordered information.
Order/ ShoppingCart/ ProductsOrdered/	container		YES	A contain object that holds a list of all the line item nodes.
Order/ ShoppingCart/ ProductsOrdered/ <a href="#">Products/</a>	complex		YES	A container that holds all of the Line Item details.
Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">ID</a>	<a href="#">positiveInteger</a>		YES	The unique ID of the Product or Item.
Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">SKU</a>	<a href="#">string</a>		YES	The user defined identity of the Product or Item.
Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">Name</a>	<a href="#">string</a>		YES	The Name of the Product Or Item.

Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">UnitPrice</a>	<a href="#">double</a>		YES	The total cost of the line item.
Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">Quantity</a>	<a href="#">nonNegativeInteger</a>		YES	The number of a particular Product or Item ordered.
Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">BTOConfiguration/</a>	container		NO	A container that holds a list of items in this BTO Configuration.
Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">BTOConfiguration/</a> <a href="#">BTOItem/</a>	complex		NO	A container node that holds all of the BTO line item details.
Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">BTOConfiguration/</a> <a href="#">BTOItem/</a> <a href="#">ID</a>	<a href="#">positiveInteger</a>		NO	The unique identifier for a BTO Product or Item.
Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">BTOConfiguration/</a> <a href="#">BTOItem/</a> <a href="#">Name</a>	<a href="#">string</a>		NO	The Name of a BTO Product or Item.
Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">BTOConfiguration/</a> <a href="#">BTOItem/</a> <a href="#">SKU</a>	<a href="#">string</a>		NO	The user defined identity of the BTO Product or Item.
Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">BTOConfiguration/</a> <a href="#">BTOItem/</a> <a href="#">CategoryID</a>	<a href="#">positiveInteger</a>		NO	The unique ID of the Category to which the BTO Product or Item belongs.

Order/ ShoppingCart/ ProductsOrdered/ Products/ BTOConfiguration/ BTOItem/ <a href="#">CategoryName</a>	<a href="#">string</a>		NO	The Name of the Category to which the BTO Product or Item belongs.
Order/ ShoppingCart/ ProductsOrdered/ Products/ BTOConfiguration/ BTOItem/ <a href="#">Quantity</a>	<a href="#">nonNegativeInteger</a>		NO	The number of a particular BTO Product or Item ordered.
Order/ ShoppingCart/ ProductsOrdered/ Products/ BTOConfiguration/ BTOItem/ <a href="#">AddPrice</a>	<a href="#">double</a>		NO	The additional value added to the BTO Configuration.
Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">Option/</a>	complex		NO	
Order/ ShoppingCart/ ProductsOrdered/ Products/ Option/ <a href="#">ID</a>	<a href="#">positiveInteger</a>		NO	The ID of an Option.
Order/ ShoppingCart/ ProductsOrdered/ Products/ Option/ <a href="#">Name</a>	<a href="#">string</a>		NO	The Name of an Option.
Order/ ShoppingCart/ ProductsOrdered/ Products/ Option/ <a href="#">Price</a>	<a href="#">double</a>		NO	The additional Price associated with an option.
Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">QuantityDiscount</a>	<a href="#">double</a>		NO	The total value of all Quantity-Based Discounts for this line item.

Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">ItemDiscount</a>	<a href="#">double</a>		NO	The total value of all Item-Based Discounts for this line item.
Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">GiftWrapping/</a>	complex		NO	A container that holds all the Gift-Wrapping information, if available.
Order/ ShoppingCart/ ProductsOrdered/ Products/ GiftWrapping/ <a href="#">ID</a>	<a href="#">positiveInteger</a>		NO	The ID of the Gift-Wrapping Option.
Order/ ShoppingCart/ ProductsOrdered/ Products/ GiftWrapping/ <a href="#">Name</a>	<a href="#">string</a>		NO	The Name of the Gift-Wrapping Option.
Order/ ShoppingCart/ ProductsOrdered/ Products/ GiftWrapping/ <a href="#">Price</a>	<a href="#">double</a>		NO	The total value of all Gift-Wrapping Charges for this line item.
Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">PackageID</a>	<a href="#">positiveInteger</a>		NO	The ID of the Shipping Information.
Order/ ShoppingCart/ ProductsOrdered/ Products/ <a href="#">Total</a>	<a href="#">double</a>		YES	The Total of all Charges for this Order.

Table 24 - GetOrderDetails Response Example XML

```
<?xml version="1.0"?>
  <GetOrderDetailsResponse xmlns="http://www.productcart.com/schema/xmltools/v1">
    <RequestKey>7B4WIZ7L220AVD2</RequestKey>
    <RequestStatus>200</RequestStatus>
    <ExportedFlag>0</ExportedFlag>
    <Order>
      <OrderID>730</OrderID>
      <Name>No Name</Name>
```



```

<Date>2007-05-16</Date>
<CustomerID>246</CustomerID>
<Total>10.3</Total>
<ProcessedDate>2007-05-17</ProcessedDate>
<BillingAddress>
  <FirstName>Matt</FirstName>
  <LastName>Weber</LastName>
  <Email>mweber@earlyimpact.com</Email>
  <Company>Early Impact, LLC</Company>
  <Address>55 Main Street</Address>
  <Address2>PO Box 1234</Address2>
  <City>Womelsdorf</City>
  <StateCode>PA</StateCode>
  <Province/>
  <PostalCode>19565</PostalCode>
  <CountryCode>US</CountryCode>
  <Phone>5555555555</Phone>
  <Fax>5555555555</Fax>
</BillingAddress>
<ShippingAddress>
  <FullName>Matt Weber</FullName>
  <Email>mweber@earlyimpact.com</Email>
  <Company>Early Impact, LLC</Company>
  <Address>55 Main Street</Address>
  <Address2>PO Box 1234</Address2>
  <City>Womelsdorf</City>
  <StateCode>PA</StateCode>
  <Province/>
  <PostalCode>19565</PostalCode>
  <CountryCode>US</CountryCode>
  <Phone>5555555555</Phone>
  <Fax>5555555555</Fax>
</ShippingAddress>
<ShippingDetails>
  <Method>FedEx Express</Method>
  <Type>Residential</Type>
  <Fees>7.72</Fees>
  <Handling>0</Handling>
  <PackageCount>1</PackageCount>
  <Weight>
    <Pounds>2</Pounds>
    <Ounces>0</Ounces>
    <Kilograms>2</Kilograms>
    <Grams>0</Grams>
  </Weight>
  <PackageDetails>
    <ID>22</ID>
    <Method>2nd Day Air</Method>
    <Date>2007-05-16</Date>
    <Comment>This is a comment</Comment>
    <TrackingNumber>0123456789</TrackingNumber>
  </PackageDetails>
</ShippingDetails>
<DeliveryDate>2007-05-16</DeliveryDate>
<FulfillmentStatus>3</FulfillmentStatus>
<PaymentStatus>1</PaymentStatus>
<PaymentDetails>
  <Method>PayPal Website Payments Pro</Method>
  <Fees>2.45</Fees>
  <AuthorizationCode>ABC123456789</AuthorizationCode>
  <TransactionID>5EB27705G6503825B</TransactionID>

```

```

    <PaymentGateway>PayPal</PaymentGateway>
    <Affiliate>
      <ID>2</ID>
      <Name>Early Impact</Name>
      <Amount>12.50</Amount>
    </Affiliate>
  </PaymentDetails>
  <RewardPoints>250</RewardPoints>
  <RewardPointsAccrued>500</RewardPointsAccrued>
  <Referrer>
    <ID>246</ID>
    <Name>Early Impact</Name>
  </Referrer>
  <RMACredit>25.00</RMACredit>
  <TotalTax>0</TotalTax>
  <TotalVAT>0</TotalVAT>
  <TaxDetails>
    <Name>PA State</Name>
    <Amount>2.26</Amount>
  </TaxDetails>
  <DiscountDetails>
    <Name>save10</Name>
    <Amount>10.00</Amount>
  </DiscountDetails>
  <GiftCertificate></GiftCertificate>
  <GiftCertificateUsed>0</GiftCertificateUsed>
  <CategoryDiscount>0.12</CategoryDiscount>
  <CustomerComments>Please ship quickly.</CustomerComments>
  <AdminComments>We are shipping it now Express.</AdminComments>
  <ReturnDate>2007-06-24</ReturnDate>
  <ReturnReason>It was the wrong size.</ReturnReason>
  <ShoppingCart>
    <ProductsOrdered>
      <Products>
        <ID>1115</ID>
        <SKU>Test Weight</SKU>
        <Name>Test Weight</Name>
        <UnitPrice>0.25</UnitPrice>
        <Quantity>1</Quantity>
        <BTOConfiguration>
          <BTOItem>
            <ID></ID>
            <Name></Name>
            <SKU></SKU>
            <CategoryID></CategoryID>
            <CategoryName></CategoryName>
            <Quantity></Quantity>
            <AddPrice></AddPrice>
          </BTOItem>
        </BTOConfiguration>
        <Option>
          <ID>44</ID>
          <Name>Maple</Name>
          <Price>0</Price>
        </Option>
        <Option>
          <ID>45</ID>
          <Name>Blue</Name>
          <Price>5.00</Price>
        </Option>
      </Products>
    </ProductsOrdered>
  </ShoppingCart>
  <QuantityDiscount>0</QuantityDiscount>

```

```

<ItemDiscount>0</ItemDiscount>
<GiftWrapping>
  <ID>2</ID>
  <Name>Test Gift Wrapping</Name>
  <Price>0</Price>
</GiftWrapping>
<PackageID>24</PackageID>
<Total>.25</Total>

  </Products>
</ProductsOrdered>
</ShoppingCart>
</Order>
</GetOrderDetailsResponse>

```

## NewProducts

This method will return all records saved into the database since your last call. The first time you use this method all products will be returned, unless you use one or more of the filtering options to limit the number of results.

### NewProducts Request

We recommend that you specify the "FromDate" in your first Request to limit the results set.

Table 25 - NewProducts Request Input

Element (XPath)	Type	Length	Required	Description/ Values
NewProductsRequest	container		YES	The Root XML element in the XML request that contains all the required parameters.
<a href="#">PartnerID</a>	<a href="#">string</a>		YES	The partner ID of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerPassword</a>	<a href="#">string</a>		YES	The Password of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerKey</a>	<a href="#">string</a>	30	YES	The unique key of the register partner that has permission to access ProductCart XML Tools.
<a href="#">CallbackURL</a>	<a href="#">string</a>		NO	URL that we will send xml result documents
Filters/	complex		NO	Recommended. A container that holds all the search criteria.
Filters/ FromDate	<a href="#">dateTime</a>		NO	Recommended for the first call to limit the results set.

Table 26 - NewProducts Request Example XML

```
<?xml version="1.0"?>
  <NewProductsRequest xmlns="http://www.productcart.com/schema/xmltools/v1">
    <PartnerID>7B4WIZ7L220AVD2</PartnerID>
    <PartnerPassword>123456789</PartnerPassword>
    <PartnerKey>FDG-23947ikgfnmksgfiuijjmsgik</PartnerKey>
    <CallbackURL>https://www.productcart.com/xmlClientApp</CallbackURL>
    <Filters>
      <FromDate>2007-05-16</FromDate>
    </Filters>
  </NewProductsRequest>
```

**NewProducts Response**

We recommend that you specify the "FromDate" in your first Request to limit the results set.

Table 27 - NewProducts Response Output

Element (XPath)	Type	Length	Default	Description/ Values
NewProductsResponse	container		YES	Contains New Products Request results details.
<a href="#">RequestKey</a>	<a href="#">string</a>	30	YES	The ProductCart generated key for the xml request document. Only returns on the xml result document
<a href="#">RequestStatus</a>	<a href="#">integer</a>		YES	See <a href="#">Status Codes</a> Table
<a href="#">Count</a>	<a href="#">positiveInteger</a>		YES	Contains the total number of results.
<a href="#">Products</a>	container		YES	Contains Product Element Tags
<a href="#">Products/ProductID</a>	<a href="#">positiveInteger</a>		YES	The unique ID of the product corresponding to the identity column in the ProductCart database.

Table 28 - NewProducts Response Example XML

```
<?xml version="1.0"?>
  <NewProductsResponse xmlns="http://www.productcart.com/schema/xmltools/v1">
    <RequestKey>3516277FFAH14HW</RequestKey>
    <RequestStatus>200</RequestStatus>
    <Count>2</Count>
    <Products>
      <ProductID>438</ProductID>
      <ProductID>439</ProductID>
    </Products>
  </NewProductsResponse>
```

## NewCustomers

This method will return all records saved into the database since your last call. The first time you call this method all customers will be returned, unless you use other filtering options to limit your results set.

### NewCustomers Request

We recommend that you specify the "FromDate" in your first Request to limit the results set.

Table 29 - NewCustomers Request Input

Element (XPath)	Type	Length	Required	Description/ Values
NewCustomersRequest	container		YES	The Root XML element in the XML request that contains all the required parameters.
<a href="#">PartnerID</a>	<a href="#">string</a>		YES	The partner ID of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerPassword</a>	<a href="#">string</a>		YES	The Password of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerKey</a>	<a href="#">string</a>	30	YES	The unique key of the registered partner that has permission to access ProductCart XML Tools.
<a href="#">CallbackURL</a>	<a href="#">string</a>		NO	URL that we will send xml result documents
Filters/	complex		NO	Recommended. A container that holds all the search criteria.
Filters/ FromDate	<a href="#">dateTime</a>		NO	Recommended for the first call to limit the results set.

Table 30 - NewCustomers Request Example XML

```
<?xml version="1.0"?>
  <NewCustomersRequest xmlns="http://www.productcart.com/schema/xmltools/v1">
    <PartnerID>7B4WIZ7L220AVD2</PartnerID>
    <PartnerPassword>123456789</PartnerPassword>
    <PartnerKey>FDG-23947ikgfnmksgfiuijjmsgik</PartnerKey>
    <CallbackURL>https://www.productcart.com/xmlClientApp</CallbackURL>
    <Filters>
      <FromDate>2007-05-16</FromDate>
    </Filters>
  </NewCustomersRequest>
```

### NewCustomers Response

We recommend that you specify the "FromDate" in your first Request to limit the results set.

Table 31 - NewCustomers Response Output

Element (XPath)	Type	Length	Default	Description/ Values
NewCustomersResponse	container		YES	Contains the New Customers Response results details.
<a href="#">RequestKey</a>	<a href="#">string</a>	30	YES	The ProductCart generated key for the xml request document. Only returns on the xml result document
<a href="#">RequestStatus</a>	<a href="#">integer</a>		YES	See <a href="#">Status Codes</a> Table
<a href="#">Count</a>	<a href="#">positiveInteger</a>		YES	Contains the total number of results.
Customers	container		YES	Contains Customer Element Tags
<a href="#">Customers/ CustomerID</a>	<a href="#">positiveInteger</a>		YES	The unique ID of the customer corresponding to the identity column in the ProductCart database.

Table 32 - NewCustomers Response Example XML

```
<?xml version="1.0"?>
  <NewCustomersResponse xmlns="http://www.productcart.com/schema/xmltools/v1">
    <RequestKey>3516277FFAH14HW</RequestKey>
    <RequestStatus>200</RequestStatus>
    <Count>2</Count>
    <Customers>
      <CustomerID>238</CustomerID>
      <CustomerID>239</CustomerID>
    </Customers>
  </NewCustomersResponse>
```

## NewOrders

This method will return all records saved into the database since your last call. The first time you use this method all orders will be returned, unless you use other filtering options to limit your results set.

### NewOrders Request

We recommend that you specify the "FromDate" in your first Request to limit the results set.

Table 33 - NewOrders Request Input

Element (XPath)	Type	Length	Required	Description/ Values
NewOrdersRequest	container		YES	The Root XML element in the XML request that contains all the required parameters.

<a href="#">PartnerID</a>	<a href="#">string</a>		YES	The partner ID of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerPassword</a>	<a href="#">string</a>		YES	The Password of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerKey</a>	<a href="#">string</a>	30	YES	The unique key of the register partner that has permission to access ProductCart XML Tools.
<a href="#">CallbackURL</a>	<a href="#">string</a>		NO	URL that we will send xml result documents
Filters	container		NO	Contains New Customer Element Tags
Filters/ FromDate	<a href="#">dateTime</a>		NO	Recommended for the first call to limit the results set.

Table 34 - NewOrders Request Example XML

```
<?xml version="1.0"?>
  <NewOrdersRequest xmlns="http://www.productcart.com/schema/xmltools/v1">
    <PartnerID>7B4WIZ7L220AVD2</PartnerID>
    <PartnerPassword>123456789</PartnerPassword>
    <PartnerKey>FDG-23947ikgfnmksgfiuijmsgik</PartnerKey>
    <CallbackURL>https://www.productcart.com/xmlClientApp</CallbackURL>
    <Filters>
      <FromDate>2007-05-16</FromDate>
    </Filters>
  </NewOrdersRequest>
```

### NewOrders Response

The new orders response contains a list of order IDs the have been crfeated since your last call. If this is your first time calling the method the results set could potentially be overwhelming. We recommend that you specific the "FromDate" in your first Request to limit the results set.

Table 35 - NewOrders Response Output

Element (XPath)	<a href="#">Type</a>	Length	Default	Description/ Values
NewOrdersResponse	container		YES	Contains New Order Request results details.
<a href="#">RequestKey</a>	<a href="#">string</a>	30	YES	The ProductCart generated key for the xml request document. Only returns on the xml result document
<a href="#">RequestStatus</a>	<a href="#">integer</a>		YES	See <a href="#">Status Codes</a> Table

<a href="#">Count</a>	<a href="#">positiveInteger</a>		YES	Contains the total number of results.
Orders	container		YES	Contains Order Element Tags
Orders/ <a href="#">OrderID</a>	<a href="#">positiveInteger</a>		YES	The unique ID of the order corresponding to the identity column in the ProductCart database.

Table 36 - NewOrders Response Example XML

```
<?xml version="1.0"?>
  <NewOrdersResponse xmlns="http://www.productcart.com/schema/xmltools/v1">
    <RequestKey>3516277FFAH14HW</RequestKey>
    <RequestStatus>200</RequestStatus>
    <Count>2</Count>
    <Orders>
      <OrderID>638</OrderID>
      <OrderID>639</OrderID>
    </Products>
  </NewOrdersResponse>
```

## AddProduct

Easily add Products to your database. NOTE: if you are using the ProductCart [Apparel Add-on](#), you should note that **Apparel Products are not currently supported**. Please enquire with our technical support team for an update on the availability of this feature for Apparel products and sub-products.

### AddProduct Request

This method allows you to keep your ProductCart storefront in synch with any other application where you manage inventory. For example, you can easily update stock levels without logging into your ProductCart Control Panel.

Table 37 - AddProductRequest Input

Element (XPath)	<a href="#">Type</a>	Length	Required	Description/ Values
AddProductRequest	container		YES	The Root XML element in the XML request that contains all the required parameters.
<a href="#">PartnerID</a>	<a href="#">string</a>		YES	The partner ID of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerPassword</a>	<a href="#">string</a>		YES	The Password of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerKey</a>	<a href="#">string</a>	30	YES	The unique key of the register partner that has permission to access ProductCart XML Tools.



<a href="#">CallbackURL</a>	<a href="#">string</a>		NO	URL that we will send xml result documents
Product/	complex		YES	Contains Product Detail Element Tags
Product/ <a href="#">SKU</a>	<a href="#">string</a>		YES	The user defined identity of the Product or Item.
Product/ <a href="#">Name</a>	<a href="#">string</a>		YES	The Name of a Product or Item.
Product/ Description	<a href="#">string</a>		YES	The long description of the product.
Product/ ShortDescription	<a href="#">string</a>		NO	The short description of the product.
Product/ <a href="#">Type</a>	<a href="#">nonNegativeInteger</a>		NO	The product type. 0 - Standard 1 - BTO Product 2 - BTO Item
Product/ <a href="#">Price</a>	<a href="#">double</a>		YES	The price of the product.
Product/ ListPrice	<a href="#">double</a>		NO	The list price of the product.
Product/ WholesalePrice	<a href="#">double</a>		NO	The wholesale price of the product.
Product/ <a href="#">Weight/</a>	complex		NO	A container element that holds the Shipping Weight.
Product/ Weight/ <a href="#">Pounds</a>	<a href="#">nonNegativeInteger</a>		NO	The Weight in Pounds
Product/ Weight/ <a href="#">Ounces</a>	<a href="#">nonNegativeInteger</a>		NO	The Weight in Ounces
Product/ Weight/ <a href="#">Kilograms</a>	<a href="#">nonNegativeInteger</a>		NO	The Weight in Kilograms
Product/ Weight/ <a href="#">Grams</a>	<a href="#">nonNegativeInteger</a>		NO	The Weight in Grams
Product/ Weight/ UnitsToPound	<a href="#">positiveInteger</a>		NO	The number of units that make up a Pound.
Product/ Stock	<a href="#">integer</a>		NO	The number of items in inventory.

Product/ Category/	complex		NO	A container that holds the category details.
Product/ Category/ ID	<a href="#">positiveInteger</a>		NO	The unique ID of the category.
Product/ Category/ Name	<a href="#">string</a>		NO	The Name of the category.
Product/ Category/ Description	<a href="#">string</a>		NO	The Category Description.
Product/ Category/ ShortDescription	<a href="#">string</a>		NO	The Short Category Description.
Product/ Category/ Image	<a href="#">string</a>		NO	The image file's name with extension.
Product/ Category/ LargeImage	<a href="#">string</a>		NO	The image file's name with extension.
Product/ Category/ ParentID	<a href="#">positiveInteger</a>		NO	The unique ID of the Parent Category.
Product/ Category/ ParentName	<a href="#">string</a>		NO	The Name of the Parent Category.
Product/ Brand/	complex		NO	A container that hold the Brand Details.
Product/ Brand/ ID	<a href="#">positiveInteger</a>		NO	The unique ID of the Brand.
Product/ Brand/ Name	<a href="#">string</a>		NO	The Name of the Brand
Product/ Brand/ Logo	<a href="#">string</a>		NO	The file Name of the Brand logo.
Product/ SmallImage	<a href="#">string</a>		NO	The file Name of the image.
Product/ Image	<a href="#">string</a>		NO	The file Name of the image.
Product/ LargeImage	<a href="#">string</a>		NO	The file Name of the image.

Product/ IsActive	<a href="#">boolean</a>		NO	0 - Inactive Product 1- Active Product
Product/ ShowSavings	<a href="#">boolean</a>		NO	0- Don't Show 1- Show
Product/ Special	<a href="#">boolean</a>		NO	0- Don't Show 1- Show
Product/ Featured	<a href="#">boolean</a>		NO	0- Don't Show 1- Show
Product/ OptionGroup/	complex		NO	The container that holds the option group options and details.
Product/ OptionGroup/ Name	<a href="#">string</a>		NO	The name of the option group.
Product/ OptionGroup/ Required	<a href="#">boolean</a>		NO	0 - Not Required 1- Required
Product/ OptionGroup/ SortOrder	<a href="#">nonNegativeInteger</a>		NO	The sort order of the option group. The order the option group is displayed on the screen.
Product/ OptionGroup/ Option/	complex		NO	A container that holds the options details.
Product/ OptionGroup/ Option/ Name	<a href="#">string</a>		NO	The name of the option.
Product/ OptionGroup/ Option/ Price	<a href="#">double</a>		NO	The additional option charge.
Product/ OptionGroup/ Option/ WholesalePrice	<a href="#">double</a>		NO	The additional option charge for wholesale customers.
Product/ OptionGroup/ Option/ SortOrder	<a href="#">nonNegativeInteger</a>		NO	The order this option is displayed with the drop menu.
Product/ OptionGroup/ Option/ Inactive	<a href="#">boolean</a>		NO	0 - inactive option 1- active option
Product/ RewardPoints	<a href="#">nonNegativeInteger</a>		NO	The number of points awarded for purchasing this item.

Product/ NoTax	<a href="#">boolean</a>		NO	0 - no tax 1 - taxable
Product/ NoShippingCharge	<a href="#">boolean</a>		NO	0 - shipping charge 1- No Shipping charge
Product/ NotForSale	<a href="#">boolean</a>		NO	0 - for sale 1 - not for sale
Product/ NotForSaleMessage	<a href="#">string</a>		NO	Message displayed to customers when NotForSale = 1 (True)
Product/ DisregardStock	<a href="#">boolean</a>		NO	0 - keep stock 1 - disregard stock
Product/ DisplayNoShippingText	<a href="#">string</a>		NO	Message displayed when shipping is disabled.
Product/ MinimumQuantity	<a href="#">nonNegativeInteger</a>		NO	Number of minimum quantity you must purchase at once.
Product/ PurchaseMultiple	<a href="#">positiveInteger</a>		NO	Must purchase in multiples of this number.
Product/ Oversized/	complex		NO	A container that holds all the details for oversized items.
Product/ Oversized/ Width	<a href="#">positiveInteger</a>		NO	Width of item
Product/ Oversized/ Height	<a href="#">positiveInteger</a>		NO	Height of item.
Product/ Oversized/ Length	<a href="#">positiveInteger</a>		NO	Length of item.
Product/ Oversized/ PackageSize	<a href="#">nonNegativeInteger</a>		NO	Code representing package size.  Standard = 0 Oversized = 1 Oversized 2 = 2 Oversized 3 = 3
Product/ Cost	<a href="#">double</a>		NO	The cost of the Product.
Product/ AllowBackOrder	<a href="#">boolean</a>		NO	0 - do not allow back ordering 1 - back ordering enabled
Product/ BackOrderNDays	<a href="#">positiveInteger</a>		NO	Number of days for a back order
Product/ LowStockNotice	<a href="#">boolean</a>		NO	Send low stock notice 0 - no 1- yes

Product/ ReorderLevel	<a href="#">integer</a>		NO	Number in stock which triggers a reorder level notice email
Product/ IsDropShipped	<a href="#">boolean</a>		NO	0 - not drop shipped 1- drop shipped
Product/ SupplierID	<a href="#">positiveInteger</a>		NO	The ID of the supplier.
Product/ DropShipperID	<a href="#">positiveInteger</a>		NO	The ID of the drop shipper.
Product/ MetaTags/	complex		NO	A container that holds the meta tag details.
Product/ MetaTags/ Title	<a href="#">string</a>		NO	Meta title
Product/ MetaTags/ Description	<a href="#">string</a>		NO	Meta Description
Product/ MetaTags/ Keywords	<a href="#">string</a>		NO	Meta Keywords
Product/ Downloadable	<a href="#">boolean</a>		NO	0 - not downloadable 1 - downloadable
Product/ DownloadDetails/	complex		NO	A container that holds the download details.
Product/ DownloadInfo/ FileLocation	<a href="#">string</a>		NO	The location of the download.
Product/ DownloadInfo/ Expires	<a href="#">boolean</a>		NO	0 - does not expire 1- expires
Product/ DownloadInfo/ ExpiresNDays	<a href="#">positiveInteger</a>		NO	Days to expiration.
Product/ DownloadInfo/ DeliverLicense	<a href="#">integer</a>		NO	Send a key
Product/ DownloadInfo/ LocalFile	<a href="#">string</a>		NO	Local key file
Product/ DownloadInfo/ RemoteFile	<a href="#">string</a>		NO	Remote key file

Product/ DownloadInfo/ LicenseField1	<a href="#">string</a>		NO	License Field
Product/ DownloadInfo/ LicenseField2	<a href="#">string</a>		NO	License Field
Product/ DownloadInfo/ LicenseField3	<a href="#">string</a>		NO	License Field
Product/ DownloadInfo/ LicenseField4	<a href="#">string</a>		NO	License Field
Product/ DownloadInfo/ LicenseField5	<a href="#">string</a>		NO	License Field
Product/ DownloadInfo/ Message	<a href="#">string</a>		NO	Optional Message for the customer.
Product/ GiftCertificate	<a href="#">boolean</a>		NO	0 - not a gift certificate 1 - gift certificate
Product/ GiftCertificateDetails/	complex		NO	A container the holds the gift certificate details.
Product/ GiftCertificateDetails/ Expires	<a href="#">boolean</a>		NO	0 - does not expire 1 - expires
Product/ GiftCertificateDetails/ ElectronicOnly	<a href="#">boolean</a>		NO	0 - not electronic only 1 - electronic only
Product/ GiftCertificateDetails/ ExpiresDate	<a href="#">dateTime</a>		NO	Date of the expiration.
Product/ GiftCertificateDetails/ ExpiresNDays	<a href="#">positiveInteger</a>		NO	Number of days to expiration.
Product/ GiftCertificateDetails/ Generator	<a href="#">nonNegativeInteger</a>		NO	0 - Default Key 1 - Custom Key
Product/ GiftCertificateDetails/ CustomFileLocation	<a href="#">string</a>		NO	Location of key
Product/ HideBTOPrices	<a href="#">boolean</a>		NO	0 - do not hide prices 1 - hide prices
Product/ HideDefaultConfiguration	<a href="#">boolean</a>		NO	0 - do not hide 1 - hide

Product/ DisallowPurchasing	<a href="#">boolean</a>		NO	0 - allow purchasing 1 - disallow purchasing
Product/ SkipProductPage	<a href="#">boolean</a>		NO	0 - go to product page 1 - go to configuration page
Product/ CustomField/	complex		NO	A container that holds all of the customer field information
Product/ CustomField/ ID	<a href="#">positiveInteger</a>		NO	Id of the custom field.
Product/ CustomField/ Name	<a href="#">string</a>		NO	Name of the custom field
Product/ CustomField/ Value	<a href="#">string</a>		NO	The value of the custom field.

Table 38 - AddProductRequest Example XML

```
<?xml version="1.0"?>
  <AddProductRequest xmlns="http://www.productcart.com/schema/xmltools/v1">
    <PartnerID>7B4WIZ7L220AVD2</PartnerID>
    <PartnerPassword>123456789</PartnerPassword>
    <PartnerKey>FDG-23947ikgfnmksgfiuijjmsgik</PartnerKey>
    <CallbackURL>https://www.productcart.com/xmlClientApp</CallbackURL>
    <Product>
      <SKU>AOJAS800</SKU>
      <Name>Ceramic Wall Flip Flops</Name>
      <Description>Long description.</Description>
      <ShortDescription>Short description.</ShortDescription>
      <Type>0</Type>
      <Price>18.95</Price>
      <ListPrice>20.85</ListPrice>
      <WholesalePrice>1</WholesalePrice>
      <Weight>
        <Pounds>2</Pounds>
        <Ounces>0</Ounces>
        <Kilograms>2</Kilograms>
        <Grams>0</Grams>
        <UnitsToPound></UnitsToPound>
      </Weight>
      <Stock>2</Stock>
      <Category>
        <ID>14</ID>
        <Name>Paintings</Name>
        <Description>Description of Paintings.</Description>
        <ShortDescription>Short Description of
Paintings.</ShortDescription>
        <Image>image.jpg</Image>
        <LargeImage>largeimage.jpg</LargeImage>
        <ParentID>6</ParentID>
        <ParentName>Artwork</ParentName>
      </Category>
    </Product>
  </AddProductRequest>
```

```

<Brand>
  <ID>22</ID>
  <Name>Ansel Adams</Name>
  <Logo>ansel.gif</Logo>
</Brand>
<SmallImage>AOJAS800-AddSunFFs-Sm.jpg</SmallImage>
<Image>AOJAS800-AddSunFFs.jpg</Image>
<LargeImage>AOJAS800-AddSunFFs-Lg.jpg</LargeImage>
<IsActive>1</IsActive>
<ShowSavings>1</ShowSavings>
<Special>1</Special>
<Featured>0</Featured>
<OptionGroup>
  <Name>Frames</Name>
  <Required>1</Required>
  <SortOrder>1</SortOrder>
  <Option>
    <Name>Maple</Name>
    <Price>5.00</Price>
    <WholesalePrice>4.00</WholesalePrice>
    <SortOrder>1</SortOrder>
    <Inactive>1</Inactive>
  </Option>
  <Option>
    <Name>Wood Grain</Name>
    <Price>5.00</Price>
    <WholesalePrice>4.00</WholesalePrice>
    <SortOrder>2</SortOrder>
    <Inactive>1</Inactive>
  </Option>
</OptionGroup>
<RewardPoints>200</RewardPoints>
<NoTax>0</NoTax>
<NoShippingCharge>0</NoShippingCharge>
<NotForSale>0</NotForSale>
<NotForSaleMessage></NotForSaleMessage>
<DisregardStock>0</DisregardStock>
<DisplayNoShipText>0</DisplayNoShipText>
<MinimumQuantity>0</MinimumQuantity>
<PurchaseMultiple>0</PurchaseMultiple>
<Oversized>1</Oversized>
<Oversized>
  <Width>120</Width>
  <Height>220</Height>
  <Length>420</Length>
  <PackageSize>420</PackageSize>
</Oversized>
<Cost></Cost>
<AllowBackOrder>0</AllowBackOrder>
<BackOrderNDays>0</BackOrderNDays>
<LowStockNotice>0</LowStockNotice>
<ReorderLevel>0</ReorderLevel>
<IsDropShipped>0</IsDropShipped>
<SupplierID></SupplierID>
<DropShipperID></DropShipperID>
<MetaTags>
  <Title></Title>
  <Description></Description>
  <Keywords></Keywords>
</MetaTags>
<Downloadable></Downloadable>

```



```

    <DownloadDetails>
      <FileLocation></FileLocation>
      <Expires></Expires>
      <ExpiresNDays></ExpiresNDays>
      <DeliverLicense></DeliverLicense>
      <LocalFile></LocalFile>
      <RemoteFile></RemoteFile>
      <LicenseField1></LicenseField1>
      <LicenseField2></LicenseField2>
      <LicenseField3></LicenseField3>
      <LicenseField4></LicenseField4>
      <LicenseField5></LicenseField5>
      <Message></Message>
    </DownloadDetails>
    <GiftCertificate></GiftCertificate>
    <GiftCertificateDetails>
      <Expires></Expires>
      <ElectronicOnly></ElectronicOnly>
      <ExpiresDate></ExpiresDate>
      <ExpiresNDays></ExpiresNDays>
      <Generator></Generator>
      <CustomFileLocation></CustomFileLocation>
    </GiftCertificateDetails>
    <HideBTOPrices></HideBTOPrices>
    <HideDefaultConfiguration></HideDefaultConfiguration>
    <DisallowPurchasing></DisallowPurchasing>
    <SkipProductPage></SkipProductPage>
    <CustomField>
      <ID></ID>
      <Name></Name>
      <Value></Value>
    </CustomField>
  </Product>
</AddProductRequest>

```

### AddProduct Response

The response document contains the ProductID from the AddProductRequest so that your system can correlate messages.

Table 39 - AddProductResponse Output

Element (XPath)	<a href="#">Type</a>	Length	Default	Description/ Values
AddProductResponse	container		YES	Contains the AddProductRequest results details.
<a href="#">RequestKey</a>	<a href="#">string</a>	30	YES	The ProductCart generated key for the xml request document. Only returns on the xml result document
<a href="#">RequestStatus</a>	<a href="#">integer</a>		YES	See <a href="#">Status Codes</a> Table

ProductID	<a href="#">positiveInteger</a>		YES	The unique ID of the order corresponding to the identity column in the ProductCart database.
-----------	---------------------------------	--	-----	--

Table 40 - AddProductResponse Example XML

```
<?xml version="1.0"?>
  <AddProductResponse>
    <RequestKey>3516277FFAH14HW</RequestKey>
    <RequestStatus>200</RequestStatus>
    <ProductID>469</ProductID>
  </AddProductResponse>
```

## AddCustomer

Easily add a customer to ProductCart from your 3<sup>rd</sup> Party application. Use this tool to synchronize customers with another application (e.g. ERP software or CRM system).

### AddCustomer Request

To add a customer use all the required elements defined below.

Table 45 - AddCustomerRequest Input

Element (XPath)	<a href="#">Type</a>	Length	Required	Description/ Values
AddCustomerRequest	container		YES	The Root XML element in the XML request that contains all the required parameters.
<a href="#">PartnerID</a>	<a href="#">string</a>		YES	The partner ID of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerPassword</a>	<a href="#">string</a>		YES	The Password of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerKey</a>	<a href="#">string</a>	30	YES	The unique key of the register partner that has permission to access ProductCart XML Tools.
<a href="#">CallbackURL</a>	<a href="#">string</a>		NO	URL that we will send xml result documents
Customer/	complex		YES	Contains Order Detail Element Tags
Customer/ Password	<a href="#">string</a>		NO	The customer's password

Customer/ Type	<a href="#">integer</a>		NO	The customer type.
Customer/ <a href="#">BillingAddress/</a>	complex		YES	A container element that holds the customer details.
Customer/ BillingAddress/ <a href="#">FirstName</a>	<a href="#">string</a>		YES	The First Name of the buyer.
Customer/ BillingAddress/ <a href="#">LastName</a>	<a href="#">string</a>		YES	The Last Name of the buyer.
Customer/ BillingAddress/ <a href="#">Email</a>	<a href="#">string</a>		YES	The email of the buyer.
Customer/ BillingAddress/ <a href="#">Company</a>	<a href="#">string</a>		NO	The company of the buyer.
Customer/ BillingAddress/ <a href="#">Phone</a>	<a href="#">string</a>		NO	The phone number of the buyer.
Customer/ BillingAddress/ <a href="#">Fax</a>	<a href="#">string</a>		NO	The fax number of the buyer.
Customer/ BillingAddress/ <a href="#">Address</a>	<a href="#">string</a>		NO	The Address of the buyer.
Customer/ BillingAddress/ <a href="#">Address2</a>	<a href="#">string</a>		NO	Address line 2 of the buyer.
Customer/ BillingAddress/ <a href="#">City</a>	<a href="#">string</a>		NO	The city of the buyer.
Customer/ BillingAddress/ <a href="#">StateCode</a>	<a href="#">string</a>		NO	The ISO Code of the buyer's region.
Customer/ BillingAddress/ <a href="#">Province</a>	<a href="#">string</a>		NO	The Province of the buyer.
Customer/ BillingAddress/ <a href="#">PostalCode</a>	<a href="#">string</a>		NO	The Postal Code of the buyer.
Customer/ BillingAddress/ <a href="#">CountryCode</a>	<a href="#">string</a>		NO	The ISO County Code of the buyer.

Customer/ <a href="#">ShippingAddress/</a>	complex		NO	A container element that holds the customer recipient details.
Customer/ ShippingAddress/ ID	<a href="#">nonNegativeInteger</a>		NO	Recipient address ID. If this is the default address the ID is "0".
Customer/ ShippingAddress/ NickName	<a href="#">string</a>		NO	Recipient address nickname. If this is the default address the nickname is empty.  Example: <NickName/> or <NickName>Office</Nickname>
Customer/ ShippingAddress/ FirstName	<a href="#">string</a>		NO	Recipient's first name.
Customer/ ShippingAddress/ LastName	<a href="#">string</a>		NO	Recipient's last name.
Customer/ ShippingAddress/ <a href="#">Email</a>	<a href="#">string</a>		NO	The email of the Recipient.
Customer/ ShippingAddress/ <a href="#">Company</a>	<a href="#">string</a>		NO	The company of the Recipient.
Customer/ ShippingAddress/ <a href="#">Address</a>	<a href="#">string</a>		NO	The Address of the Recipient.
Customer/ ShippingAddress/ <a href="#">Address2</a>	<a href="#">string</a>		NO	Address line 2 of the Recipient.
Customer/ ShippingAddress/ <a href="#">City</a>	<a href="#">string</a>		NO	The City of the Recipient.
Customer/ ShippingAddress/ <a href="#">StateCode</a>	<a href="#">string</a>		NO	The ISO Code of the Recipient's region.
Customer/ ShippingAddress/ <a href="#">Province</a>	<a href="#">string</a>		NO	The Province of the Recipient.
Customer/ ShippingAddress/ <a href="#">PostalCode</a>	<a href="#">string</a>		NO	The Post Code of the Recipient.
Customer/ ShippingAddress/ <a href="#">CountryCode</a>	<a href="#">string</a>		NO	The ISO Code of the Recipient's Country.

Customer/ ShippingAddress/ Phone	<a href="#">string</a>		NO	The phone number of the Recipient.
Customer/ ShippingAddress/ Fax	<a href="#">string</a>		NO	The Fax number of the Recipient.
Customer/ RewardPoints	<a href="#">nonNegativeInteger</a>		NO	The total reward points earned.
Customer/ RewardPointsUsed	<a href="#">integer</a>		NO	The total reward points used.
Customer/ CustomerCategoryPricing/	complex		NO	The contain that holds all the customer category pricing details
Customer/ CustomerCategoryPricing/ ID	<a href="#">positiveInteger</a>		NO	The id of the pricing category
Customer/ CustomerCategoryPricing/ Name	<a href="#">string</a>		NO	The name of the pricing category
Customer/ CustomerField/	complex		NO	The container that holds all the customer field details.
Customer/ CustomerField/ ID	<a href="#">positiveInteger</a>		NO	The id of the customer field.
Customer/ CustomerField/ Name	<a href="#">string</a>		NO	The name of the customer field.
Customer/ CustomerField/ Value	<a href="#">string</a>		NO	The value of the customer field.
Customer/ Newsletter	<a href="#">boolean</a>		NO	0 - not subscribed 1- subscriber
Customer/ TotalOrders	<a href="#">nonNegativeInteger</a>		NO	The total number of orders.
Customer/ TotalSales	<a href="#">nonNegativeInteger</a>		NO	The total sales figure for this customer.
Customer/ Status	<a href="#">integer</a>		NO	The customer's status.

Table 46 - AddCustomerRequest Example XML

```
<?xml version="1.0"?>
  <AddCustomerRequest xmlns="http://www.productcart.com/schema/xmltools/v1">
    <PartnerID>7B4WIZ7L220AVD2</PartnerID>
```

```

<PartnerPassword>123456789</PartnerPassword>
<PartnerKey>FDG-23947ikgfnmksgfiuijjmsgik</PartnerKey>
<CallbackURL>https://www.productcart.com/xmlClientApp</CallbackURL>
<Customer>
  <Password></Password>
  <Type></Type>
  <BillingAddress>
    <FirstName>Joe</FirstName>
    <LastName>Weber</LastName>
    <Email>Joe@earlyimpact.com</Email>
    <Company>Early Impact, LLC</Company>
    <Address>55 Main Street</Address>
    <Address2>PO Box 1234</Address2>
    <City>City</City>
    <StateCode>PA</StateCode>
    <Province/>
    <PostalCode>19555</PostalCode>
    <CountryCode>US</CountryCode>
    <Phone>5555555555</Phone>
    <Fax>5555555555</Fax>
  </BillingAddress>
  <ShippingAddress>
    <ID>0</ID>
    <NickName/>
    <FirstName>Joe</FirstName>
    <LastName>Weber</LastName>
    <Email>Joe@earlyimpact.com</Email>
    <Company>Early Impact, LLC</Company>
    <Address>55 Main Street</Address>
    <Address2>PO Box 1234</Address2>
    <City>City</City>
    <StateCode>PA</StateCode>
    <Province/>
    <PostalCode>19555</PostalCode>
    <CountryCode>US</CountryCode>
    <Phone>5555555555</Phone>
    <Fax>5555555555</Fax>
  </ShippingAddress>
  <ShippingAddress>
    <ID>2</ID>
    <NickName>Office</NickName>
    <FirstName>Joe</FirstName>
    <LastName>Weber</LastName>
    <Email>Joe@earlyimpact.com</Email>
    <Company>Early Impact, LLC</Company>
    <Address>5522 Main Office Street</Address>
    <Address2>PO Box 1234</Address2>
    <City>City</City>
    <StateCode>PA</StateCode>
    <Province/>
    <PostalCode>19555</PostalCode>
    <CountryCode>US</CountryCode>
    <Phone>5555555555</Phone>
    <Fax>5555555555</Fax>
  </ShippingAddress>
  <RewardPoints></RewardPoints>
  <RewardPointsUsed></RewardPointsUsed>
  <CustomerCategoryPricing>
    <ID></ID>
    <Name></Name>
  </CustomerCategoryPricing>

```

```

        <CustomerField>
            <ID></ID>
            <Name></Name>
            <Value></Value>
        </CustomerField>
        <Newsletter></Newsletter>
        <TotalOrders></TotalOrders>
        <TotalSales></TotalSales>
        <DateCreated></DateCreated>
        <Status></Status>
    </Customer>
</AddCustomerRequest>

```

### AddCustomer Response

If the AddCustomer Request is successful a new Customer ID will be saved into the ProductCart database. The response will contain the ID of newly added customer.

Table 47 - AddCustomerResponse Output

Element (XPath)	Type	Length	Default	Description/ Values
AddCustomerResponse	container		YES	Contains the AddCustomer Request results details.
<a href="#">RequestKey</a>	<a href="#">string</a>	30	YES	The ProductCart generated key for the xml request document. Only returns on the xml result document
<a href="#">RequestStatus</a>	<a href="#">integer</a>		YES	See <a href="#">Status Codes</a> Table
CustomerID	<a href="#">positiveInteger</a>		YES	The unique ID of the order corresponding to the identity column in the ProductCart database.

Table 48 - AddCustomerResponse Example XML

```

<?xml version="1.0"?>
  <AddCustomerResponse>
    <RequestKey>3516277FFAH14HW</RequestKey>
    <RequestStatus>200</RequestStatus>
    <CustomerID>426</CustomerID>
  </AddCustomerResponse>

```

### UpdateProduct

You can update a product from your 3<sup>rd</sup> Party application. The feature is frequently used to synchronize inventory (e.g. with a POS system). However, you can update all sorts of product information.

### UpdateProduct Request

The UpdateProduct Request is identical to AddProduct Request, with the exception of the ProductID element. When you are adding a Product this element is left out because you don't know the ID. However, when you update the Product you must specify the ID as it is used to identify the product that needs to be updated.

Table 49 - UpdateProductRequest Input

Element (XPath)	Type	Length	Required	Description/ Values
UpdateProductRequest	container		YES	The Root XML element in the XML request that contains all the required parameters.
<a href="#">PartnerID</a>	<a href="#">string</a>		YES	The partner ID of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerPassword</a>	<a href="#">string</a>		YES	The Password of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerKey</a>	<a href="#">string</a>	30	YES	The unique key of the register partner that has permission to access ProductCart XML Tools.
<a href="#">CallbackURL</a>	<a href="#">string</a>		NO	URL that we will send xml result documents
Product/	complex		YES	Contains Product Detail Element Tags
Product/ MapToField	<a href="#">positiveInteger</a>		YES	This number will determine which database field is used for mapping the update request.  1 = SKU 2 = Product ID  For example, if you use MapToField = 1 ProductCart will map the update to the Product with the matching sku in the "<SKU>" element.
Product/ ProductID	<a href="#">positiveInteger</a>		YES*	*- Required when MapToField=2  The value corresponding to the unique identity column in the ProductCart database.
Product/ <a href="#">SKU</a>	<a href="#">string</a>		YES*	*- Required when MapToField=1  The user defined identity of the Product or Item.



Product/ <a href="#">Name</a>	<a href="#">string</a>		NO	The Name of a Product or Item.
Product/ Description	<a href="#">string</a>		NO	The long description of the product.
Product/ ShortDescription	<a href="#">string</a>		NO	The short description of the product.
Product/ <a href="#">Type</a>	<a href="#">nonNegativeInteger</a>		NO	The product type. 0 - Standard 1 - BTO Product 2 - BTO Item
Product/ <a href="#">Price</a>	<a href="#">double</a>		NO	The price of the product.
Product/ ListPrice	<a href="#">double</a>		NO	The list price of the product.
Product/ WholesalePrice	<a href="#">double</a>		NO	The wholesale price of the product.
Product/ <a href="#">Weight/</a>	complex		NO	A container element that holds the Shipping Weight.
Product/ Weight/ <a href="#">Pounds</a>	<a href="#">nonNegativeInteger</a>		NO	The Weight in Pounds
Product/ Weight/ <a href="#">Ounces</a>	<a href="#">nonNegativeInteger</a>		NO	The Weight in Ounces
Product/ Weight/ <a href="#">Kilograms</a>	<a href="#">nonNegativeInteger</a>		NO	The Weight in Kilograms
Product/ Weight/ <a href="#">Grams</a>	<a href="#">nonNegativeInteger</a>		NO	The Weight in Grams
Product/ Weight/ UnitsToPound	<a href="#">positiveInteger</a>		NO	The number of units that make up a Pound.
Product/ Stock	<a href="#">integer</a>		NO	The number of items in inventory.
Product/ Category/	complex		NO	A container that holds the category details.
Product/ Category/ ID	<a href="#">positiveInteger</a>		NO	The unique ID of the category.
Product/ Category/ Name	<a href="#">string</a>		NO	The Name of the category.

Product/ Category/ Description	<a href="#">string</a>		NO	The Category Description.
Product/ Category/ ShortDescription	<a href="#">string</a>		NO	The Short Category Description.
Product/ Category/ Image	<a href="#">string</a>		NO	The image file's name with extension.
Product/ Category/ LargeImage	<a href="#">string</a>		NO	The image file's name with extension.
Product/ Category/ ParentID	<a href="#">positiveInteger</a>		NO	The unique ID of the Parent Category.
Product/ Category/ ParentName	<a href="#">string</a>		NO	The Name of the Parent Category.
Product/ Brand/	complex		NO	A container that hold the Brand Details.
Product/ Brand/ ID	<a href="#">positiveInteger</a>		NO	The unique ID of the Brand.
Product/ Brand/ Name	<a href="#">string</a>		NO	The Name of the Brand
Product/ Brand/ Logo	<a href="#">string</a>		NO	The file Name of the Brand logo.
Product/ SmallImage	<a href="#">string</a>		NO	The file Name of the image.
Product/ Image	<a href="#">string</a>		NO	The file Name of the image.
Product/ LargeImage	<a href="#">string</a>		NO	The file Name of the image.
Product/ IsActive	<a href="#">boolean</a>		NO	0 - Inactive Product 1- Active Product
Product/ ShowSavings	<a href="#">boolean</a>		NO	0- Don't Show 1- Show
Product/ Special	<a href="#">boolean</a>		NO	0- Don't Show 1- Show
Product/ Featured	<a href="#">boolean</a>		NO	0- Don't Show 1- Show

Product/ OptionGroup/	complex		NO	The container that holds the option group options and details.
Product/ OptionGroup/ Name	<a href="#">string</a>		NO	The name of the option group.
Product/ OptionGroup/ Required	<a href="#">boolean</a>		NO	0 - Not Required 1- Required
Product/ OptionGroup/ SortOrder	<a href="#">nonNegativeInteger</a>		NO	The sort order of the option group. The order the option group is displayed on the screen.
Product/ OptionGroup/ Option/	complex		NO	A container that holds the options details.
Product/ OptionGroup/ Option/ Name	<a href="#">string</a>		NO	The name of the option.
Product/ OptionGroup/ Option/ Price	<a href="#">double</a>		NO	The additional option charge.
Product/ OptionGroup/ Option/ WholesalePrice	<a href="#">double</a>		NO	The additional option charge for wholesale customers.
Product/ OptionGroup/ Option/ SortOrder	<a href="#">nonNegativeInteger</a>		NO	The order this option is displayed with the drop menu.
Product/ OptionGroup/ Option/ InActive	<a href="#">boolean</a>		NO	0 - inactive option 1- active option
Product/ RewardPoints	<a href="#">nonNegativeInteger</a>		NO	The number of points awarded for purchasing this item.
Product/ NoTax	<a href="#">boolean</a>		NO	0 - no tax 1 - taxable
Product/ NoShippingCharge	<a href="#">boolean</a>		NO	0 - shipping charge 1- No Shipping charge
Product/ NotForSale	<a href="#">boolean</a>		NO	0 - for sale 1 - not for sale
Product/ NotForSaleMessage	<a href="#">string</a>		NO	Message displayed to customers when NotForSale = 1 (True)

Product/ DisregardStock	<a href="#">boolean</a>		NO	0 - keep stock 1 - disregard stock
Product/ DisplayNoShippingText	<a href="#">string</a>		NO	Message displayed when shipping is disabled.
Product/ MinimumQuantity	<a href="#">nonNegativeInteger</a>		NO	Number of minimum quantity you must purchase at once.
Product/ PurchaseMultiple	<a href="#">positiveInteger</a>		NO	Must purchase in multiples of this number.
Product/ Oversized/	complex		NO	A container that holds all the details for oversized items.
Product/ Oversized/ Width	<a href="#">positiveInteger</a>		NO	Width of item
Product/ Oversized/ Height	<a href="#">positiveInteger</a>		NO	Height of item.
Product/ Oversized/ Length	<a href="#">positiveInteger</a>		NO	Length of item.
Product/ Oversized/ PackageSize	<a href="#">nonNegativeInteger</a>		NO	Code representing package size.  Standard = 0 Oversized = 1 Oversized 2 = 2 Oversized 3 = 3
Product/ Cost	<a href="#">double</a>		NO	The cost of the Product.
Product/ AllowBackOrder	<a href="#">boolean</a>		NO	0 - do not allow back ordering 1 - back ordering enabled
Product/ BackOrderNDays	<a href="#">positiveInteger</a>		NO	Number of days for a back order
Product/ LowStockNotice	<a href="#">boolean</a>		NO	Send low stock notice 0 - no 1- yes
Product/ ReorderLevel	<a href="#">integer</a>		NO	Number in stock which triggers a reorder level notice email
Product/ IsDropShipped	<a href="#">boolean</a>		NO	0 - not drop shipped 1- drop shipped
Product/ SupplierID	<a href="#">positiveInteger</a>		NO	The ID of the supplier.
Product/ DropShipperID	<a href="#">positiveInteger</a>		NO	The ID of the drop shipper.

Product/ MetaTags/	complex		NO	A container that holds the meta tag details.
Product/ MetaTags/ Title	<a href="#">string</a>		CON	Meta title
Product/ MetaTags/ Description	<a href="#">string</a>		CON	Meta Description
Product/ MetaTags/ Keywords	<a href="#">string</a>		CON	Meta Keywords
Product/ Downloadable	<a href="#">boolean</a>		NO	0 - not downloadable 1 - downloadable
Product/ DownloadDetails/	complex		CON	A container that holds the download details.
Product/ DownloadInfo/ FileLocation	<a href="#">string</a>		CON	The location of the download.
Product/ DownloadInfo/ Expires	<a href="#">boolean</a>		CON	0 - does not expire 1- expires
Product/ DownloadInfo/ ExpiresNDays	<a href="#">positiveInteger</a>		CON	Days to expiration.
Product/ DownloadInfo/ DeliverLicense	<a href="#">integer</a>		CON	Send a key
Product/ DownloadInfo/ LocalFile	<a href="#">string</a>		CON	Local key file
Product/ DownloadInfo/ RemoteFile	<a href="#">string</a>		CON	Remote key file
Product/ DownloadInfo/ LicenseField1	<a href="#">string</a>		CON	License Field
Product/ DownloadInfo/ LicenseField2	<a href="#">string</a>		NO	License Field
Product/ DownloadInfo/ LicenseField3	<a href="#">string</a>		NO	License Field

Product/ DownloadInfo/ LicenseField4	<a href="#">string</a>		NO	License Field
Product/ DownloadInfo/ LicenseField5	<a href="#">string</a>		NO	License Field
Product/ DownloadInfo/ Message	<a href="#">string</a>		NO	Optional Message for the customer.
Product/ GiftCertificate	<a href="#">boolean</a>		NO	0 - not a gift certificate 1 - gift certificate
Product/ GiftCertificateDetails/	complex		CON	A container the holds the gift certificate details.
Product/ GiftCertificateDetails/ Expires	<a href="#">boolean</a>		CON	0 - does not expire 1 - expires
Product/ GiftCertificateDetails/ ElectronicOnly	<a href="#">boolean</a>		CON	0 - not electronic only 1 - electronic only
Product/ GiftCertificateDetails/ ExpiresDate	<a href="#">dateTime</a>		CON	Date of the expiration.
Product/ GiftCertificateDetails/ ExpiresNDays	<a href="#">positiveInteger</a>		CON	Number of days to expiration.
Product/ GiftCertificateDetails/ Generator	<a href="#">nonNegativeInteger</a>		CON	0 - Default Key 1 - Custom Key
Product/ GiftCertificateDetails/ CustomFileLocation	<a href="#">string</a>		CON	Location of key
Product/ HideBTOPrices	<a href="#">boolean</a>		NO	0 - do not hide prices 1 - hide prices
Product/ HideDefaultConfiguration	<a href="#">boolean</a>		NO	0 - do not hide 1 - hide
Product/ DisallowPurchasing	<a href="#">boolean</a>		NO	0 - allow purchasing 1 - disallow purchasing
Product/ SkipProductPage	<a href="#">boolean</a>		NO	0 - go to product page 1 - go to configuration page
Product/ CustomField/	complex		NO	A container that holds all of the customer field information

Product/ CustomField/ ID	<a href="#">positiveInteger</a>		CON	Id of the custom field.
Product/ CustomField/ Name	<a href="#">string</a>		CON	Name of the custom field
Product/ CustomField/ Value	<a href="#">string</a>		CON	The value of the custom field.
Product/ DateCreated	<a href="#">dateTime</a>		YES	The date the product was created.

Table 50 - UpdateProductRequest Example XML

```
<?xml version="1.0"?>
  <UpdateProductRequest xmlns="http://www.productcart.com/schema/xmltools/v1">
    <PartnerID>7B4WIZ7L220AVD2</PartnerID>
    <PartnerPassword>123456789</PartnerPassword>
    <PartnerKey>FDG-23947ikgfnmksgfiuijjmsgik</PartnerKey>
    <CallbackURL>https://www.productcart.com/xmlClientApp</CallbackURL>
    <Product>
      <MapToField>1</MapToField>
      <ProductID>22</ProductID>
      <SKU>22</SKU>
      <Name>Ceramic Wall Flip Flops</Name>
      <Description>Long description.</Description>
      <ShortDescription>Short description.</ShortDescription>
      <Type>0</Type>
      <Price>18.95</Price>
      <ListPrice>20.85</ListPrice>
      <WholesalePrice>1</WholesalePrice>
      <Weight>
        <Pounds>2</Pounds>
        <Ounces>0</Ounces>
        <Kilograms>2</Kilograms>
        <Grams>0</Grams>
        <UnitsToPound></UnitsToPound>
      </Weight>
      <Stock>2</Stock>
      <Category>
        <ID>14</ID>
        <Name>Paintings</Name>
        <Description>Description of Paintings.</Description>
        <ShortDescription>Short Description of
Paintings.</ShortDescription>
        <Image>image.jpg</Image>
        <LargeImage>largeimage.jpg</LargeImage>
        <ParentID>6</ParentID>
        <ParentName>Artwork</ParentName>
      </Category>
      <Brand>
        <ID>22</ID>
        <Name>Ansel Adams</Name>
        <Logo>ansel.gif</Logo>
      </Brand>
      <SmallImage>AOJAS800-AddSunFFs-Sm.jpg</SmallImage>
    </Product>
  </UpdateProductRequest>
```

```

<Image>AOJAS800-AddSunFFs.jpg</Image>
<LargeImage>AOJAS800-AddSunFFs-Lg.jpg</LargeImage>
<IsActive>1</IsActive>
<ShowSavings>1</ShowSavings>
<Special>1</Special>
<Featured>0</Featured>
<OptionGroup>
  <Name>Frames</Name>
  <Required>1</Required>
  <SortOrder>1</SortOrder>
  <Option>
    <Name>Maple</Name>
    <Price>5.00</Price>
    <WholesalePrice>4.00</WholesalePrice>
    <SortOrder>1</SortOrder>
    <Inactive>1</Inactive>
  </Option>
  <Option>
    <Name>Wood Grain</Name>
    <Price>5.00</Price>
    <WholesalePrice>4.00</WholesalePrice>
    <SortOrder>2</SortOrder>
    <Inactive>1</Inactive>
  </Option>
</OptionGroup>
<RewardPoints>200</RewardPoints>
<NoTax>0</NoTax>
<NoShippingCharge>0</NoShippingCharge>
<NotForSale>0</NotForSale>
<NotForSaleMessage></NotForSaleMessage>
<DisregardStock>0</DisregardStock>
<DisplayNoShipText>0</DisplayNoShipText>
<MinimumQuantity>0</MinimumQuantity>
<PurchaseMultiple>0</PurchaseMultiple>
<Oversized>1</Oversized>
<Oversized>
  <Width>120</Width>
  <Height>220</Height>
  <Length>420</Length>
  <PackageSize>420</PackageSize>
</Oversized>
<Cost></Cost>
<AllowBackOrder>0</AllowBackOrder>
<BackOrderNDays>0</BackOrderNDays>
<LowStockNotice>0</LowStockNotice>
<ReorderLevel>0</ReorderLevel>
<IsDropShipped>0</IsDropShipped>
<SupplierID></SupplierID>
<DropShipperID></DropShipperID>
<MetaTags>
  <Title></Title>
  <Description></Description>
  <Keywords></Keywords>
</MetaTags>
<Downloadable></Downloadable>
<DownloadDetails>
  <FileLocation></FileLocation>
  <Expires></Expires>
  <ExpiresNDays></ExpiresNDays>
  <DeliverLicense></DeliverLicense>
  <LocalFile></LocalFile>

```



```

        <RemoteFile></RemoteFile>
        <LicenseField1></LicenseField1>
        <LicenseField2></LicenseField2>
        <LicenseField3></LicenseField3>
        <LicenseField4></LicenseField4>
        <LicenseField5></LicenseField5>
        <Message></Message>
    </DownloadDetails>
    <GiftCertificate></GiftCertificate>
    <GiftCertificateDetails>
        <Expires></Expires>
        <ElectronicOnly></ElectronicOnly>
        <ExpiresDate></ExpiresDate>
        <ExpiresNDays></ExpiresNDays>
        <Generator></Generator>
        <CustomFileLocation></CustomFileLocation>
    </GiftCertificateDetails>
    <HideBTOPrices></HideBTOPrices>
    <HideDefaultConfiguration></HideDefaultConfiguration>
    <DisallowPurchasing></DisallowPurchasing>
    <SkipProductPage></SkipProductPage>
    <CustomField>
        <ID></ID>
        <Name></Name>
        <Value></Value>
    </CustomField>
    <DateCreated></DateCreated>
</Product>
</UpdateProductRequest>

```

### UpdateProduct Response

Updating a product with many optional elements can result in partial updates. Meaning, the update was successful, but with a few errors. For example, you may successfully update the product's name, and inventory level, but your option group already existed and resulted in an error. Be sure to review the UpdateProductResponse for any error elements when the status is 201.

Table 51 - UpdateProductResponse Output

Element (XPath)	Type	Length	Default	Description/ Values
UpdateProductResponse	container		YES	Contains the UpdateProduct Request results details.
<a href="#">RequestKey</a>	<a href="#">string</a>	30	YES	The ProductCart generated key for the xml request document. Only returns on the xml result document
<a href="#">RequestStatus</a>	<a href="#">integer</a>		YES	See <a href="#">Status Codes</a> Table
ProductID	<a href="#">positiveInteger</a>		YES	The unique ID of the product corresponding to the identity column in the ProductCart database.

SKU	<a href="#">string</a>		YES	<p>The SKU of the Product.</p> <p>Though we assume the SKU is unique, it is possible that two products may have the same SKU. The SKU can be used as an identity field in most stores.</p>
-----	------------------------	--	-----	--

Table 52 - UpdateProductResponse Example XML

```
<?xml version="1.0"?>
  <UpdateProductResponse>
    <RequestKey>3516277FFAH14HW</RequestKey>
    <RequestStatus>200</RequestStatus>
    <ProductID>469</ProductID>
    <SKU>ABC-123</SKU>
  </UpdateProductResponse>
```

## UpdateCustomer

Update your customer information from an external application without logging into ProductCart.

### UpdateCustomer Request

The UpdateCustomer Request is identical to AddCustomer Request, with the exception of the CustomerID element. When you are adding a Customer this element is left out because you don't know the ID. However, when you update the Customer you must specify which ID to update.

Table 53 - UpdateCustomerRequest Input

Element (XPath)	<a href="#">Type</a>	Length	Required	Description/ Values
UpdateCustomerRequest	container		YES	The Root XML element in the XML request that contains all the required parameters.
<a href="#">PartnerID</a>	<a href="#">string</a>		YES	The partner ID of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerPassword</a>	<a href="#">string</a>		YES	The Password of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerKey</a>	<a href="#">string</a>	30	YES	The unique key of the register partner that has permission to access ProductCart XML Tools.
<a href="#">CallbackURL</a>	<a href="#">string</a>		NO	URL that we will send xml result documents
Customer/	complex		YES	Contains Order Detail Element Tags

Customer/ MapToField	<a href="#">positiveInteger</a>		YES	<p>This number will determine which element is used for mapping the update request.</p> <p>1 = Email 2 = CustomerID</p> <p>For example, if you use MapToField = 1 ProductCart will map the update to the Customer with the matching email address in the "&lt;Email&gt;" element.</p>
Customer/ CustomerID	<a href="#">positiveInteger</a>		YES	<p>* - Required when MapToField=2</p> <p>The value corresponding to the unique identity column "idOrder" in the ProductCart database.</p>
Customer/ Password	<a href="#">string</a>		NO	The customer's password
Customer/ Type	<a href="#">integer</a>		NO	The customer type.
Customer/ <a href="#">BillingAddress/</a>	complex		NO	A container element that holds the customer details.
Customer/ BillingAddress/ <a href="#">FirstName</a>	<a href="#">string</a>		NO	The First Name of the buyer.
Customer/ BillingAddress/ <a href="#">LastName</a>	<a href="#">string</a>		NO	The Last Name of the buyer.
Customer/ BillingAddress/ <a href="#">Email</a>	<a href="#">string</a>		NO	The email of the buyer.
Customer/ BillingAddress/ <a href="#">Company</a>	<a href="#">string</a>		NO	The company of the buyer.
Customer/ BillingAddress/ <a href="#">Phone</a>	<a href="#">string</a>		NO	The phone number of the buyer.
Customer/ BillingAddress/ <a href="#">Fax</a>	<a href="#">string</a>		NO	The fax number of the buyer.
Customer/ BillingAddress/ <a href="#">Address</a>	<a href="#">string</a>		NO	The Address of the buyer.

Customer/ BillingAddress/ <a href="#">Address2</a>	<a href="#">string</a>		NO	Address line 2 of the buyer.
Customer/ BillingAddress/ <a href="#">City</a>	<a href="#">string</a>		NO	The city of the buyer.
Customer/ BillingAddress/ <a href="#">StateCode</a>	<a href="#">string</a>		NO	The ISO Code of the buyer's region.
Customer/ BillingAddress/ <a href="#">Province</a>	<a href="#">string</a>		NO	The Province of the buyer.
Customer/ BillingAddress/ <a href="#">PostalCode</a>	<a href="#">string</a>		NO	The Postal Code of the buyer.
Customer/ BillingAddress/ <a href="#">CountryCode</a>	<a href="#">string</a>		NO	The ISO County Code of the buyer.
Customer/ <a href="#">ShippingAddress/</a>	complex		NO	A container element that holds the customer recipient details.
Customer/ ShippingAddress/ ID	<a href="#">nonNegativeInteger</a>		NO	Recipient address ID. If this is the default address the ID is "0".
Customer/ ShippingAddress/ NickName	<a href="#">string</a>		NO	Recipient address nickname. If this is the default address the nickname is empty.  Example: <NickName/> or <NickName>Office</NickName>
Customer/ ShippingAddress/ FirstName	<a href="#">string</a>		NO	Recipient's first name.
Customer/ ShippingAddress/ LastName	<a href="#">string</a>		NO	Recipient's last name.
Customer/ ShippingAddress/ <a href="#">Email</a>	<a href="#">string</a>		YES	*- Required when MapToField=1  The email of the Recipient.
Customer/ ShippingAddress/ <a href="#">Company</a>	<a href="#">string</a>		NO	The company of the Recipient.
Customer/ ShippingAddress/ <a href="#">Address</a>	<a href="#">string</a>		NO	The Address of the Recipient.

Customer/ ShippingAddress/ <a href="#">Address2</a>	<a href="#">string</a>		NO	Address line 2 of the Recipient.
Customer/ ShippingAddress/ <a href="#">City</a>	<a href="#">string</a>		NO	The City of the Recipient.
Customer/ ShippingAddress/ <a href="#">StateCode</a>	<a href="#">string</a>		NO	The ISO Code of the Recipient's region.
Customer/ ShippingAddress/ <a href="#">Province</a>	<a href="#">string</a>		NO	The Province of the Recipient.
Customer/ ShippingAddress/ <a href="#">PostalCode</a>	<a href="#">string</a>		NO	The Post Code of the Recipient.
Customer/ ShippingAddress/ <a href="#">CountryCode</a>	<a href="#">string</a>		NO	The ISO Code of the Recipient's Country.
Customer/ ShippingAddress/ <a href="#">Phone</a>	<a href="#">string</a>		NO	The phone number of the Recipient.
Customer/ ShippingAddress/ <a href="#">Fax</a>	<a href="#">string</a>		NO	The Fax number of the Recipient.
Customer/ RewardPoints	<a href="#">nonNegativeInteger</a>		NO	The total reward points earned.
Customer/ RewardPointsUsed	<a href="#">integer</a>		NO	The total reward points used.
Customer/ CustomerCategoryPricing/	complex		NO	The contain that holds all the customer category pricing details
Customer/ CustomerCategoryPricing/ ID	<a href="#">positiveInteger</a>		NO	The id of the pricing category
Customer/ CustomerCategoryPricing/ Name	<a href="#">string</a>		NO	The name of the pricing category
Customer/ CustomerField/	complex		NO	The container that holds all the customer field details.
Customer/ CustomerField/ ID	<a href="#">positiveInteger</a>		NO	The id of the customer field.

Customer/ CustomerField/ Name	<a href="#">string</a>		NO	The name of the customer field.
Customer/ CustomerField/ Value	<a href="#">string</a>		NO	The value of the customer field.
Customer/ Newsletter	<a href="#">boolean</a>		NO	0 - not subscribed 1- subscriber
Customer/ TotalOrders	<a href="#">nonNegativeInteger</a>		NO	The total number of orders.
Customer/ TotalSales	<a href="#">nonNegativeInteger</a>		NO	The total sales figure for this customer.
Customer/ DateCreated	<a href="#">dateTime</a>		NO	The date this customer registered.
Customer/ Status	<a href="#">integer</a>		NO	The customer's status.

Table 54 - UpdateCustomerRequest Example XML

```
<?xml version="1.0"?>
  <UpdateCustomerRequest xmlns="http://www.productcart.com/schema/xmltools/v1">
    <PartnerID>7B4WIZ7L220AVD2</PartnerID>
    <PartnerPassword>123456789</PartnerPassword>
    <PartnerKey>FDG-23947ikgfnmksgfiuijjmsgik</PartnerKey>
    <CallbackURL>https://www.productcart.com/xmlClientApp</CallbackURL>

    <Customer>
      <MapToField>1</MapToField>
      <CustomerID>2468</CustomerID>
      <Password></Password>
      <Type></Type>
      <BillingAddress>
        <FirstName>Joe</FirstName>
        <LastName>Weber</LastName>
        <Email>Joe@earlyimpact.com</Email>
        <Company>Early Impact, LLC</Company>
        <Address>55 Main Street</Address>
        <Address2>PO Box 1234</Address2>
        <City>City</City>
        <StateCode>PA</StateCode>
        <Province/>
        <PostalCode>19555</PostalCode>
        <CountryCode>US</CountryCode>
        <Phone>5555555555</Phone>
        <Fax>5555555555</Fax>
      </BillingAddress>
      <ShippingAddress>
        <ID>0</ID>
        <NickName/>
        <FirstName>Joe</FirstName>
        <LastName>Weber</LastName>
        <Email>Joe@earlyimpact.com</Email>
        <Company>Early Impact, LLC</Company>
      </ShippingAddress>
    </Customer>
  </UpdateCustomerRequest>
```

```

        <Address>55 Main Street</Address>
        <Address2>PO Box 1234</Address2>
        <City>City</City>
        <StateCode>PA</StateCode>
        <Province/>
        <PostalCode>19555</PostalCode>
        <CountryCode>US</CountryCode>
        <Phone>5555555555</Phone>
        <Fax>5555555555</Fax>
    </ShippingAddress>
    <ShippingAddress>
        <ID>2</ID>
        <NickName>Office</NickName>
        <FirstName>Joe</FirstName>
        <LastName>Weber</LastName>
        <Email>Joe@earlyimpact.com</Email>
        <Company>Early Impact, LLC</Company>
        <Address>5522 Main Office Street</Address>
        <Address2>PO Box 1234</Address2>
        <City>City</City>
        <StateCode>PA</StateCode>
        <Province/>
        <PostalCode>19555</PostalCode>
        <CountryCode>US</CountryCode>
        <Phone>5555555555</Phone>
        <Fax>5555555555</Fax>
    </ShippingAddress>
    <RewardPoints></RewardPoints>
    <RewardPointsUsed></RewardPointsUsed>
    <CustomerCategoryPricing>
        <ID></ID>
        <Name></Name>
    </CustomerCategoryPricing>
    <CustomerField>
        <ID></ID>
        <Name></Name>
        <Value></Value>
    </CustomerField>
    <Newsletter></Newsletter>
    <TotalOrders></TotalOrders>
    <TotalSales></TotalSales>
    <DateCreated></DateCreated>
    <Status></Status>
</Customer>
</UpdateCustomerRequest>

```

### UpdateCustomer Response

Be sure to review the UpdateCustomerResponse for any error elements when the status is 201.

Table 55 - UpdateCustomerResponse Output

Element (XPath)	Type	Length	Default	Description/ Values
UpdateCustomerResponse	container		YES	Contains the UpdateCustomer Request response details.

<a href="#">RequestKey</a>	<a href="#">string</a>	30	YES	The ProductCart generated key for the xml request document. Only returns on the xml result document
<a href="#">RequestStatus</a>	<a href="#">integer</a>		YES	See <a href="#">Status Codes</a> Table
CustomerID	<a href="#">positiveInteger</a>		YES	The unique Customer ID corresponding to the identity column in the ProductCart database.
Email	<a href="#">string</a>		YES	The unique Email of the customer.  The email is always unique and may be used as an identity field.

Table 56 - UpdateCustomerResponse Example XML

```
<?xml version="1.0"?>
  <UpdateCustomerResponse>
    <RequestKey>3516277FFAH14HW</RequestKey>
    <RequestStatus>200</RequestStatus>
    <CustomerID>426</CustomerID>
    <Email>Joe@earlyimpact.com</Email>
  </UpdateCustomerResponse>
```

## Undo

The great flexibility and strength of the XML Tools is its ability to “Go Back” when an error is encountered. You can use “Undo” with any transaction that modifies the ProductCart database. As a result, your application can build intuitive error recovery capability to restore the database to a previous error free condition.

### Undo Request

The only information needed to undo a transaction is the RequestKey, which you received in your transaction results.

Table 57 - UndoRequest Input

Element (XPath)	<a href="#">Type</a>	Length	Required	Description/ Values
UndoRequest	container		YES	The Root XML element in the XML request that contains all the required parameters.
<a href="#">PartnerID</a>	<a href="#">string</a>		YES	The partner ID of the registered partner that has permission to access ProductCart XML Tools



<a href="#">PartnerPassword</a>	<a href="#">string</a>		YES	The Password of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerKey</a>	<a href="#">string</a>	30	YES	The unique key of the register partner that has permission to access ProductCart XML Tools.
<a href="#">CallbackURL</a>	<a href="#">string</a>		NO	URL that we will send xml result documents
RequestKey	<a href="#">string</a>		YES	The Key of the transaction to undo.

Table 58 - UndoRequest Example XML

```
<?xml version="1.0"?>
  <UndoRequest xmlns="http://www.productcart.com/schema/xmltools/v1">
    <PartnerID>7B4WIZ7L220AVD2</PartnerID>
    <PartnerPassword>123456789</PartnerPassword>
    <PartnerKey>FDG-23947ikgfnmksgfiuijjmsgik</PartnerKey>
    <CallbackURL>https://www.productcart.com/xmlClientApp</CallbackURL>
    <RequestKey>0123456789</RequestKey>
  </UndoRequest>
```

### Undo Response

The undo response will contain the original request key sent with undo request, as well as a new request key to identify the current results transaction. Your application should save all request keys so that an "undo" can be issued programmatically.

Table 59 - UndoResponse Output

Element (XPath)	<a href="#">Type</a>	Length	Default	Description/ Values
UndoResponse	container		YES	Contains the Undo Request Results Details
<a href="#">RequestKey</a>	<a href="#">string</a>	30	YES	The ProductCart generated key for the xml request document. Only returns on the xml result document
<a href="#">RequestStatus</a>	<a href="#">integer</a>		YES	See <a href="#">Status Codes</a> Table
ParentRequestKey	<a href="#">string</a>		YES	The request key that was sent in the Undo Request XML document.

Table 60 - UndoResponse Example XML

```
<?xml version="1.0"?>
  <UndoResponse xmlns="http://www.productcart.com/schema/xmltools/v1">
    <RequestKey>3516277FFAH14HW</RequestKey>
```

```
<RequestStatus>201</RequestStatus>
<ParentRequestKey>0123456789</ParentRequestKey>
</UndoResponse>
```

## SetExportFlag

XML Tools allows you to search for new Products, Orders, and Customers using the "Search" methods. You can then retrieve the details with the "GetDetails" methods. Each time you call a Get method you can optionally Flag that item as "Exported". So next time you run your search you use the option to hide items that have already been exported. SetExportFlag is another way to Flag an Order, Product, or Customer as being exported/not exported. For example, XML Tools "Export to XML" feature in your Control Panel uses this method to Flag Orders as "Not Exported" when there is a network error. That way the store owner can try to export the Order again when the network recovers from the error. SetExportFlag is just another flexible option in the "XML Tools".

### SetExportFlag Request

The following information is required to set the Export Flag status on a Order, Product, or Customer.

Table 57 - SetExportFlagRequest Input

Element (XPath)	<a href="#">Type</a>	Length	Required	Description/ Values
SetExportFlagRequest	container		YES	The Root XML element in the XML request that contains all the required parameters.
<a href="#">PartnerID</a>	<a href="#">string</a>		YES	The partner ID of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerPassword</a>	<a href="#">string</a>		YES	The Password of the registered partner that has permission to access ProductCart XML Tools
<a href="#">PartnerKey</a>	<a href="#">string</a>	30	YES	The unique key of the register partner that has permission to access ProductCart XML Tools.
<a href="#">CallbackURL</a>	<a href="#">string</a>		NO	URL that we will send xml result documents
ExportedFlag	<a href="#">boolean</a>		YES	The mark status 0 = Not exported 1 = Exported
ExportedID	<a href="#">positiveInteger</a>		YES	The Id of the Customer, Order, or Product that you want to mark.
IDType	<a href="#">nonNegativeInteger</a>		YES	You must specify the type of export. 0 = Product 1 = Customer 2 = Order

Table 58 - SetExportFlagRequest Example XML

```
<?xml version="1.0"?>
  <SetExportFlagRequest xmlns="http://www.productcart.com/schema/xmltools/v1">
    <PartnerID>7B4WIZ7L220AVD2</PartnerID>
    <PartnerPassword>123456789</PartnerPassword>
    <PartnerKey>FDG-23947ikgfnmksgfiuijjmsgik</PartnerKey>
    <CallbackURL>https://www.productcart.com/xmlClientApp</CallbackURL>
    <ExportedFlag>0</ExportedFlag>
    <ExportedID>1</ExportedID>
    <IDType>0</IDType>
  </SetExportFlagRequest>
```

**SetExportFlag Response**

Be sure to review the SetExportFlagResponse for any error elements when the status is 201.

Table 59 - SetExportFlagResponse Output

Element (XPath)	Type	Length	Default	Description/ Values
UndoResponse	container		YES	Contains the Undo Request Results Details
<a href="#">RequestKey</a>	<a href="#">string</a>	30	YES	The ProductCart generated key for the xml request document. Only returns on the xml result document
<a href="#">RequestStatus</a>	<a href="#">integer</a>		YES	See <a href="#">Status Codes</a> Table

Table 60 - SetExportFlagResponse Example XML

```
<?xml version="1.0"?>
  <SetExportFlagResponse xmlns="http://www.productcart.com/schema/xmltools/v1">
    <RequestKey>3516277FFAH14HW</RequestKey>
    <RequestStatus>201</RequestStatus>
  </SetExportFlagResponse>
```



## Appendices

### Appendix A - Terms

#### *Glossary of Terms*

##### Client Application

A client is an application that runs on a computer and communicates with another computer (a server) to send and receive information. For example, an e-mail client is an application that communicates with your mail server to allow you to send and receive e-mail. You can build a client application to communicate with XML Tools and perform any number of business operations. XML Tools has a built-in "client" designed for manually exporting XML feeds.

##### HTTP Post

Basically, an HTTP POST sends data to a web server. A common use for an HTTP Post is to send data to a web server asking for information. Client Applications will use HTTP Post to communicate with XML Tools.

##### SSL

A protocol for transmitting data securely over the Internet. You can enable SSL by asking your web host to install an SSL Certificate. It is recommended that you do so before using XML Tools.

##### XML

XML stands for Extensible Markup Language. It is a markup language much like HTML, but was designed to describe data. XML is used to send information via the Internet. With XML Tools to you can send and receive XML data to/from a ProductCart-powered store's database to integrate the e-commerce store with another application used in your business.

## Appendix B – Using the <Requests> Element

Use <Requests> and <Request> elements with [GetProductDetails](#), [GetCustomerDetails](#), and [GetOrderDetails](#) to “expand” or “drill down” the response elements.

For example, here is an excerpt from a GetProductDetailsRequest XML document:

```
...
<ProductID>740</ProductID>
<ExportedFlag>0</ExportedFlag>
<Requests>
  <Request>All</Request>
</Requests>
```

In the XML Request above the Request element is set to “All”, which tells XML Tools to return all available information about the Product. A full list of available <Request> values is described in the table below.

### *The <Request> Values*

Value	Description
All	The value “All” will tell XML Tools to respond with all available information.
Default	The value “Default” will tell XML Tools to return only default elements. Note if you leave out the <Requests> element from your XML the system will (by default) return the default elements.

You may enter the name of any direct child node and containers of the root element "<Product>", "<Customer>", or "<Order>" and XML Tools will return only those elements.

For example, you may want to obtain the SKU of a particular ProductID, but you don't need to view all the default elements. You could use the following request:

```
...
<ProductID>740</ProductID>
<ExportedFlag>0</ExportedFlag>
<Requests>
  <Request>SKU</Request>
</Requests>
```

#### *Node Name*

You may request any number of nodes, or use nodes in conjunction with "Default".

For example, you may want all the Default elements with the addition of the product options data, You could use the following request:

```
...
<ProductID>740</ProductID>
<ExportedFlag>0</ExportedFlag>
<Requests>
  <Request>Default</Request>
  <Request>OptionGroup</Request>
</Requests>
```

## Appendix C - Codes

### Status Codes

Status Code	Description
100	The request as returned errors. You may access the <ErrorList> element for the error description.
200	Successful
201	Successful, with some errors (e.g. can not update some product properties). You may access the <ErrorList> element for the error description.

### Error Codes

Error Code	Description
101	Invalid XML document
102	Invalid XML structure
103	Invalid PartnerID, PartnerPassword, or PartnerKey
104	Invalid request method: <name of method>
105	Invalid search parameter: <Name of parameter>
106	Invalid request name: <Name of request>
107	Type mismatch: <Name of parameter> - Value: <value>
	* It must be a integer
	* It must be a number
	* It must be a integer greater than or equal to 0
	* It must be a number greater than or equal to 0
107	* It must be a Date/Time, the format must be YYYY-MM-DD
	* It must be an URL
108	Invalid range: <Name of parameter> - Value: <value> must be greater than <value>
109	Can not send results to the callback URL, maybe the URL is invalid
110	You do not have permission to access XML Tools. Please contact the Administrator for more information.
111	The tag: <tagname> is empty
112	Your partner account is inactive. Please contact the Administrator for more information.
113	Your partner account was locked. Please contact the Administrator for more information.
114	Your partner account was suspended. Please contact the Administrator for more information.
115	Error while opening database

116	<ul style="list-style-type: none"><li>* Can not find product</li><li>* Can not find customer</li><li>* Can not find order</li><li>* Can not find the Request Key: &lt;request key value&gt;</li></ul>
117	Invalid tag name: <tagname>
118	<ul style="list-style-type: none"><li>* Product ID: &lt;product id&gt; could not be updated because it does not exist.</li><li>* Product SKU: &lt;product sku&gt; could not be added because it already exists.</li><li>* Product SKU: &lt;product sku&gt; could not be updated because it does not exist.</li><li>* Customer ID: &lt;product id&gt; could not be updated because it does not exist.</li><li>* Customer Email: &lt;product sku&gt; could not be added because it already exists.</li><li>* Customer Email: &lt;product sku&gt; could not be updated because it does not exist.</li></ul>
119	Does not have category name. This product is assigned to the category 'Imported Products'
120	Can not import/update product option because it does not have product option name. Option group: <option group name>
121	Pricing Category not found
122	Customer Custom Field not found
123	Can not undo the Request Key: <request key value> because the invalid request type
124	The Request Key: <request key value> was already undone
125	Can not undo the Request Key: <request key value> because the backup file was not found
126	Your IP Address is not allowed. Please contact the administrator for more information.



## Appendix D - References

### Common Business Vocabulary XML Definitions

GetOrderDetailsRequest	
Definition	The <GetOrderDetailsRequest> tag contains all the request parameters for the GetOrderDetails method.
Subtags	<a href="#">PartnerID</a> , <a href="#">PartnerPassword</a> , <a href="#">PartnerKey</a> , <a href="#">CallbackURL</a> , <a href="#">OrderID</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	container
Example	<code>&lt;GetOrderDetailsRequest xmlns="http://www.productcart.com/schema/xmltools/v1"&gt;</code>

PartnerID	
Definition	The <PartnerID> tag contains the partner ID of the registered partner that has permission to access ProductCart XML Tools.
Subtag of	<a href="#">SearchProductsRequest</a> , <a href="#">SearchCustomersRequest</a> , <a href="#">SearchOrdersRequest</a> , <a href="#">GetProductDetailsRequest</a> , <a href="#">GetCustomerDetailsRequest</a> , <a href="#">GetOrderDetailsRequest</a> , <a href="#">NewProductsRequest</a> , <a href="#">NewCustomersRequest</a> , <a href="#">NewOrdersRequest</a> , <a href="#">AddProductRequest</a> , <a href="#">AddOrderRequest</a> , <a href="#">AddCustomerRequest</a> , <a href="#">UpdateProductRequest</a> , <a href="#">UpdateCustomerRequest</a> , <a href="#">UndoRequest</a>
Methods	<a href="#">SearchProducts</a> , <a href="#">SearchCustomers</a> , <a href="#">SearchOrders</a> , <a href="#">GetProductDetails</a> , <a href="#">GetCustomerDetails</a> , <a href="#">GetOrderDetails</a> , <a href="#">NewProducts</a> , <a href="#">NewCustomers</a> , <a href="#">NewOrders</a> , <a href="#">AddProduct</a> , <a href="#">AddOrder</a> , <a href="#">AddCustomer</a> , <a href="#">UpdateProduct</a> , <a href="#">UpdateCustomer</a> , <a href="#">Undo</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;PartnerID&gt;your-partner-id&lt;/PartnerID&gt;</code>

PartnerPassword	
Definition	The <PartnerPassword> tag contains the partner password of the registered partner that has permission to access ProductCart XML Tools.
Subtag of	<a href="#">SearchProductsRequest</a> , <a href="#">SearchCustomersRequest</a> , <a href="#">SearchOrdersRequest</a> , <a href="#">GetProductDetailsRequest</a> , <a href="#">GetCustomerDetailsRequest</a> , <a href="#">GetOrderDetailsRequest</a> , <a href="#">NewProductsRequest</a> , <a href="#">NewCustomersRequest</a> , <a href="#">NewOrdersRequest</a> , <a href="#">AddProductRequest</a> , <a href="#">AddOrderRequest</a> , <a href="#">AddCustomerRequest</a> , <a href="#">UpdateProductRequest</a> , <a href="#">UpdateCustomerRequest</a> , <a href="#">UndoRequest</a>
Methods	<a href="#">SearchProducts</a> , <a href="#">SearchCustomers</a> , <a href="#">SearchOrders</a> , <a href="#">GetProductDetails</a> , <a href="#">GetCustomerDetails</a> , <a href="#">GetOrderDetails</a> , <a href="#">NewProducts</a> , <a href="#">NewCustomers</a> , <a href="#">NewOrders</a> , <a href="#">AddProduct</a> , <a href="#">AddOrder</a> , <a href="#">AddCustomer</a> , <a href="#">UpdateProduct</a> , <a href="#">UpdateCustomer</a> , <a href="#">Undo</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;PartnerPassword&gt;your-partner-password&lt;/PartnerPassword&gt;</code>

PartnerKey	
Definition	The <PartnerKey> tag contains the partner key of the registered partner that has permission to access ProductCart XML Tools.
Subtag of	<a href="#">SearchProductsRequest</a> , <a href="#">SearchCustomersRequest</a> , <a href="#">SearchOrdersRequest</a> , <a href="#">GetProductDetailsRequest</a> , <a href="#">GetCustomerDetailsRequest</a> , <a href="#">GetOrderDetailsRequest</a> , <a href="#">NewProductsRequest</a> , <a href="#">NewCustomersRequest</a> , <a href="#">NewOrdersRequest</a> , <a href="#">AddProductRequest</a> , <a href="#">AddOrderRequest</a> , <a href="#">AddCustomerRequest</a> , <a href="#">UpdateProductRequest</a> , <a href="#">UpdateCustomerRequest</a> , <a href="#">UndoRequest</a>
Methods	<a href="#">SearchProducts</a> , <a href="#">SearchCustomers</a> , <a href="#">SearchOrders</a> , <a href="#">GetProductDetails</a> , <a href="#">GetCustomerDetails</a> , <a href="#">GetOrderDetails</a> , <a href="#">NewProducts</a> , <a href="#">NewCustomers</a> , <a href="#">NewOrders</a> , <a href="#">AddProduct</a> , <a href="#">AddOrder</a> , <a href="#">AddCustomer</a> , <a href="#">UpdateProduct</a> , <a href="#">UpdateCustomer</a> , <a href="#">Undo</a>
Content Format	<a href="#">string</a>
Example	<PartnerKey>your-partner-key</PartnerKey>

CallbackURL	
Definition	The <CallbackURL> tag contains URL where the XML Response is sent.
Subtag of	<a href="#">SearchProductsRequest</a> , <a href="#">SearchCustomersRequest</a> , <a href="#">SearchOrdersRequest</a> , <a href="#">GetProductDetailsRequest</a> , <a href="#">GetCustomerDetailsRequest</a> , <a href="#">GetOrderDetailsRequest</a> , <a href="#">NewProductsRequest</a> , <a href="#">NewCustomersRequest</a> , <a href="#">NewOrdersRequest</a> , <a href="#">AddProductRequest</a> , <a href="#">AddOrderRequest</a> , <a href="#">AddCustomerRequest</a> , <a href="#">UpdateProductRequest</a> , <a href="#">UpdateCustomerRequest</a> , <a href="#">UndoRequest</a>
Methods	<a href="#">SearchProducts</a> , <a href="#">SearchCustomers</a> , <a href="#">SearchOrders</a> , <a href="#">GetProductDetails</a> , <a href="#">GetCustomerDetails</a> , <a href="#">GetOrderDetails</a> , <a href="#">NewProducts</a> , <a href="#">NewCustomers</a> , <a href="#">NewOrders</a> , <a href="#">AddProduct</a> , <a href="#">AddOrder</a> , <a href="#">AddCustomer</a> , <a href="#">UpdateProduct</a> , <a href="#">UpdateCustomer</a> , <a href="#">Undo</a>
Content Format	<a href="#">string</a>
Example	<CallbackURL>https://www.yourdomain.com/xmlClient</CallbackURL>

GetOrderDetailsResponse	
Definition	The <GetOrderDetailsResponse> tag contains the entire Order Details response.
Subtags	<a href="#">RequestKey</a> , <a href="#">RequestStatus</a> , <a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	container
Example	<GetOrderDetailsResponse xmlns="http://www.productcart.com/schema/xmltools/v1">

RequestKey	
Definition	The <RequestKey> contains the unique ID for this transaction response.
Subtag of	<a href="#">SearchProductsResponse</a> , <a href="#">SearchCustomersResponse</a> , <a href="#">SearchOrdersResponse</a> , <a href="#">GetProductDetailsResponse</a> , <a href="#">GetCustomerDetailsResponse</a> , <a href="#">GetOrderDetailsResponse</a> , <a href="#">NewProductsResponse</a> , <a href="#">NewCustomersResponse</a> , <a href="#">NewOrdersResponse</a> , <a href="#">AddProductResponse</a> , <a href="#">AddOrderResponse</a> , <a href="#">AddCustomerResponse</a> , <a href="#">UpdateProductResponse</a> , <a href="#">UpdateCustomerResponse</a> , <a href="#">UndoResponse</a>
Methods	<a href="#">SearchProducts</a> , <a href="#">SearchCustomers</a> , <a href="#">SearchOrders</a> , <a href="#">GetProductDetails</a> ,

	<a href="#">GetCustomerDetails</a> , <a href="#">GetOrderDetails</a> , <a href="#">NewProducts</a> , <a href="#">NewCustomers</a> , <a href="#">NewOrders</a> , <a href="#">AddProduct</a> , <a href="#">AddOrder</a> , <a href="#">AddCustomer</a> , <a href="#">UpdateProduct</a> , <a href="#">UpdateCustomer</a> , <a href="#">Undo</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;RequestKey&gt;7B4WIZ7L220AVD2&lt;/RequestKey&gt;</code>

RequestStatus	
Definition	The <code>&lt;RequestStatus&gt;</code> contains status code of transaction.
Subtag of	<a href="#">SearchProductsResponse</a> , <a href="#">SearchCustomersResponse</a> , <a href="#">SearchOrdersResponse</a> , <a href="#">GetProductDetailsResponse</a> , <a href="#">GetCustomerDetailsResponse</a> , <a href="#">GetOrderDetailsResponse</a> , <a href="#">NewProductsResponse</a> , <a href="#">NewCustomersResponse</a> , <a href="#">NewOrdersResponse</a> , <a href="#">AddProductResponse</a> , <a href="#">AddOrderResponse</a> , <a href="#">AddCustomerResponse</a> , <a href="#">UpdateProductResponse</a> , <a href="#">UpdateCustomerResponse</a> , <a href="#">UndoResponse</a>
Methods	<a href="#">SearchProducts</a> , <a href="#">SearchCustomers</a> , <a href="#">SearchOrders</a> , <a href="#">GetProductDetails</a> , <a href="#">GetCustomerDetails</a> , <a href="#">GetOrderDetails</a> , <a href="#">NewProducts</a> , <a href="#">NewCustomers</a> , <a href="#">NewOrders</a> , <a href="#">AddProduct</a> , <a href="#">AddOrder</a> , <a href="#">AddCustomer</a> , <a href="#">UpdateProduct</a> , <a href="#">UpdateCustomer</a> , <a href="#">Undo</a>
Content Format	<a href="#">integer</a>
Example	<code>&lt;RequestStatus&gt;200&lt;/RequestStatus&gt;</code>

Order	
Definition	The <code>&lt;Order&gt;</code> contains information about an order, including the billing address and shipping address associated with the order.
Subtag of	<a href="#">GetOrderDetailsResponse</a>
Subtags	<a href="#">ID</a> , <a href="#">Name</a> , <a href="#">Date</a> , <a href="#">CustomerID</a> , <a href="#">Total</a> , <a href="#">ProcessedDate</a> , <a href="#">BillingAddress</a> , <a href="#">ShippingAddress</a> , <a href="#">ShippingDetails</a> , <a href="#">DeliveryDate</a> , <a href="#">FulfillmentStatus</a> , <a href="#">PaymentStatus</a> , <a href="#">PaymentDetails</a> , <a href="#">TotalTax</a> , <a href="#">TotalVAT</a> , <a href="#">GiftCertificate</a> , <a href="#">GiftCertificateUsed</a> , <a href="#">CategoryDiscount</a> , <a href="#">ShoppingCart</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	container
Example	<code>&lt;Order&gt;</code>

ID	
Definition	The <code>&lt;ID&gt;</code> contains the unique ID of its parent element.
Subtag of	<a href="#">PackageDetails</a> , <a href="#">Item</a> , <a href="#">BTOConfiguration</a> , <a href="#">GiftWrapping</a> , <a href="#">Affiliate</a> , <a href="#">Referrer</a> , <a href="#">BTOItem</a> , <a href="#">Option</a>
Methods	<a href="#">SearchOrders</a> , <a href="#">GetOrderDetails</a> , <a href="#">NewOrders</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">integer</a>
Example	<code>&lt;ID&gt;6488&lt;/ID&gt;</code>

Name	
Definition	The <Name> tag contains the name of its parent element.
Subtag of	<a href="#">Order</a> , <a href="#">Item</a> , <a href="#">BTOConfiguration</a> , <a href="#">GiftWrapping</a> , <a href="#">Affiliate</a> , <a href="#">Referrer</a> , <a href="#">TaxDetails</a> , <a href="#">DiscountDetails</a> , <a href="#">BTOItem</a> , <a href="#">Option</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<Name>DVD Player</Name>

Date	
Definition	The <Date> contains the date and time of the parent element.
Subtag of	<a href="#">Order</a>
Methods	<a href="#">SearchOrders</a> , <a href="#">GetOrderDetails</a> , <a href="#">NewOrders</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">dateTime</a>
Example	<Date>2007-05-16</Date>

CustomerID	
Definition	The <CustomerID> contains the unique ID of the customer corresponding to the identity column in the ProductCart database.
Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">integer</a>
Example	<CustomerID>246</CustomerID>

OrderID	
Definition	The <OrderID> contains the unique ID of the Order corresponding to the identity column in the ProductCart database.
Subtag of	<a href="#">Order</a> , <a href="#">GetOrderDetailsRequest</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">integer</a>
Example	<OrderID>246</OrderID>

Total	
Definition	The <Total> contains the total cost of the parent element.
	E.g. XPath "Order/Total" contains the total of that Order.

Subtag of	<a href="#">Order</a> , <a href="#">Item</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">double</a>
Example	<code>&lt;Total&gt;1028.50&lt;/Total&gt;</code>

ProcessedDate	
Definition	The <code>&lt;ProcessedDate&gt;</code> contains the date the order was marked as Processed.
Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">dateTime</a>
Example	<code>&lt;ProcessedDate&gt;2007-05-16&lt;/ProcessedDate&gt;</code>

BillingAddress	
Definition	The <code>&lt;BillingAddress&gt;</code> tag is a container element that holds the customer billing details.
Subtag of	<a href="#">Order</a>
Subtags	<a href="#">FirstName</a> , <a href="#">LastName</a> , <a href="#">Email</a> , <a href="#">Company</a> , <a href="#">Address</a> , <a href="#">Address2</a> , <a href="#">City</a> , <a href="#">StateCode</a> , <a href="#">Province</a> , <a href="#">PostalCode</a> , <a href="#">CountryCode</a> , <a href="#">Phone</a> , <a href="#">Fax</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	complex
Example	<code>&lt;BillingAddress&gt;</code>

ShippingAddress	
Definition	The <code>&lt;ShippingAddress&gt;</code> tag is a container element that holds the customer shipping details.
Subtag of	<a href="#">Order</a>
Subtags	<a href="#">FullName</a> , <a href="#">Email</a> , <a href="#">Company</a> , <a href="#">Address</a> , <a href="#">Address2</a> , <a href="#">City</a> , <a href="#">StateCode</a> , <a href="#">Province</a> , <a href="#">PostalCode</a> , <a href="#">CountryCode</a> , <a href="#">Phone</a> , <a href="#">Fax</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	complex
Example	<code>&lt;ShippingAddress&gt;</code>

FirstName	
Definition	The <code>&lt;FirstName&gt;</code> tag is the First Name of a person.
Subtag of	<a href="#">BillingAddress</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;FirstName&gt;Matt&lt;/FirstName&gt;</code>

LastName	
Definition	The <LastName> tag is the Last Name of a person.
Subtag of	<a href="#">BillingAddress</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<LastName>Matt</LastName>

Email	
Definition	The <Email> tag is an email address.
Subtag of	<a href="#">BillingAddress</a> , <a href="#">ShippingAddress</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<Email>support@earlyimpact.com</Email>

Company	
Definition	The <Company> tag is the business entity name.
Subtag of	<a href="#">BillingAddress</a> , <a href="#">ShippingAddress</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<Company>Matt</Company>

Phone	
Definition	The <Phone> tag contains a phone number.
Subtag of	<a href="#">BillingAddress</a> , <a href="#">ShippingAddress</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<Phone>1-555-555-5555</Phone>

Fax	
Definition	The <Fax> tag contains a fax number.
Subtag of	<a href="#">BillingAddress</a> , <a href="#">ShippingAddress</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<Fax>1-555-555-5555</Fax>

Address	
Definition	The <Address> tag contains the first line of an Address.

Subtag of	<a href="#">BillingAddress</a> , <a href="#">ShippingAddress</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;Address&gt;55 Street&lt;/Address&gt;</code>

Address2	
Definition	The <code>&lt;Address2&gt;</code> tag contains the second line of an Address.
Subtag of	<a href="#">BillingAddress</a> , <a href="#">ShippingAddress</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;Address2&gt;PO BOX 246&lt;/Address2&gt;</code>

City	
Definition	The <code>&lt;City&gt;</code> tag contains the name of a City.
Subtag of	<a href="#">BillingAddress</a> , <a href="#">ShippingAddress</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;City&gt;New York City&lt;/City&gt;</code>

StateCode	
Definition	The <code>&lt;StateCode&gt;</code> tag contains a ISO Code for region.
Subtag of	<a href="#">BillingAddress</a> , <a href="#">ShippingAddress</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;StateCode&gt;PA&lt;/StateCode&gt;</code>

Province	
Definition	The <code>&lt;Province&gt;</code> tag is contains the name of a Provincial Region.
Subtag of	<a href="#">BillingAddress</a> , <a href="#">ShippingAddress</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;Province&gt;Alberta&lt;/Province&gt;</code>

PostalCode	
Definition	The <code>&lt;PostalCode&gt;</code> tag contains a Post Code.
Subtag of	<a href="#">BillingAddress</a> , <a href="#">ShippingAddress</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>

Content Format	<a href="#">string</a>
Example	<code>&lt;PostalCode&gt;19565&lt;/PostalCode&gt;</code>

CountryCode	
Definition	The <code>&lt;CountryCode&gt;</code> tag contains a valid ISO Country Code for a region.
Subtag of	<a href="#">BillingAddress</a> , <a href="#">ShippingAddress</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;CountryCode&gt;UK&lt;/CountryCode&gt;</code>

FullName	
Definition	The <code>&lt;FullName&gt;</code> contains the First and Last name of a person.
Subtag of	<a href="#">ShippingAddress</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;FullName&gt;Matt Weber&lt;/FullName&gt;</code>

ShippingDetails	
Definition	The <code>&lt;ShippingDetails&gt;</code> is a container element that holds the shipping details.
Subtag of	<a href="#">Order</a>
Subtags	<a href="#">Method</a> , <a href="#">Type</a> , <a href="#">Fees</a> , <a href="#">Handling</a> , <a href="#">PackageCount</a> , <a href="#">Weight</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	complex
Example	<code>&lt;ShippingDetails&gt;</code>

Method	
Definition	The <code>&lt;Method&gt;</code> contains the service description of its parent element.
	For example, the xPath "Order/ShippingDetails/Method" contains a description of the shipping service used in that Order.
	e.g. "FedEx Ground"
Subtag of	<a href="#">PaymentDetails</a> , <a href="#">ShippingDetails</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;Method&gt;FedEx Ground&lt;/Method&gt;</code>



Type	
Definition	<p>The <b>&lt;Type&gt;</b> contains the subdivision of its parent element, or a method.</p> <p>For example, the XPath "Order/ShippingDetails/Type" contains a subdivision of the shipping service.</p> <p>e.g. "Residential" and "Business" are subdivisions of the shipping service "FedEx Ground".</p>
Subtag of	<a href="#">ShippingDetails</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;Type&gt;Residential&lt;/Type&gt;</code>

Fees	
Definition	<p>The <b>&lt;Fees&gt;</b> tag contains additional charges associated with the parent element.</p> <p>For example, the XPath "Order/ShippingDetails/fees" contains additional charges associated with the shipping service used in that Order.</p>
Subtag of	<a href="#">PaymentDetails</a> , <a href="#">ShippingDetails</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">double</a>
Example	<code>&lt;Fees&gt;10.95&lt;/Fees&gt;</code>

Handling	
Definition	The <b>&lt;Handling&gt;</b> tag contains the charges associate with handling an order.
Subtag of	<a href="#">ShippingDetails</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">double</a>
Example	<code>&lt;Handling&gt;5.96&lt;/Handling&gt;</code>

PackageCount	
Definition	The <b>&lt;PackageCount&gt;</b> contains the number of package determine at the time of checkout.
Subtag of	<a href="#">ShippingDetails</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">integer</a>
Example	<code>&lt;PackageCount&gt;4&lt;/PackageCount&gt;</code>

Weight	
Definition	The <b>&lt;Weight&gt;</b> tag is a container for the units used to measure weight, measured in Pounds/Ounces and Kilograms/Grams.

Subtag of	<a href="#">ShippingDetails</a>
Subtags	<a href="#">Pounds</a> , <a href="#">Ounces</a> , <a href="#">Kilograms</a> , <a href="#">Grams</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	container
Example	<Weight>

Pounds	
Definition	The <Pounds> tag contains a unit of mass used to measure weight.
Subtag of	<a href="#">ShippingDetails</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">integer</a>
Example	<Pounds>2</Pounds>

Ounces	
Definition	The <Ounces> tag contains a unit of mass less than one pound, representing a remainder of Pounds when a product is weighted in Pounds.
Subtag of	<a href="#">ShippingDetails</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">integer</a>
Example	<Ounces>6</Ounces>

Kilograms	
Definition	The <Kilograms> tag contains a unit of mass used to measure weight.
Subtag of	<a href="#">ShippingDetails</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">integer</a>
Example	<Kilograms>2</Kilograms>

Grams	
Definition	The <Grams> tag contains a unit of mass less than one Kilogram, representing the remainder of Kilograms when a product is weighted in Kilograms.
Subtag of	<a href="#">ShippingDetails</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">integer</a>
Example	<Grams>6</Gram>

DeliveryDate	
Definition	The <DeliveryDate> tag contains the estimated delivery date for a shipment. They date is in the format yyyy-mm-dd
Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">dateTime</a>
Example	<DeliveryDate>2007-05-26</DeliveryDate>

FulfillmentStatus	
Definition	The <FulfillmentStatus> tag contains the current order's fulfillment status as an integer value. See the "Fulfillment Status Table" for more details.
Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">integer</a>
Example	<FulfillmentStatus>0</FulfillmentStatus>

PaymentStatus	
Definition	The <PaymentStatus> tag contains the current order's payment status as an integer value. See the "Payment Status Table" for more details.
Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">integer</a>
Example	<PaymentStatus>2</PaymentStatus>

PaymentDetails	
Definition	The <PaymentDetails> container holds all the orders payment information.
Subtag of	<a href="#">Order</a>
Subtags	<a href="#">Method</a> , <a href="#">Fees</a> , <a href="#">AuthorizationCode</a> , <a href="#">TransactionID</a> , <a href="#">PaymentGateway</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	complex
Example	<PaymentDetails>

PackageDetails	
Definition	The <PackageDetails> container holds all the package shipping details.
Subtag of	<a href="#">Order</a>
Subtags	<a href="#">ID</a> , <a href="#">Method</a> , <a href="#">Date</a> , <a href="#">Comment</a> , <a href="#">TrackingNumber</a>
Methods	<a href="#">GetOrderDetails</a>

Content Format	complex
Example	<code>&lt;PackageDetails&gt;</code>

Comment	
Definition	The <code>&lt;Comment&gt;</code> tag contains a user defined message
	E.g. The comments tag contains a message to the customer about a package.
Subtag of	<a href="#">PackageDetails</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;Comment&gt;Message to Customer about package.&lt;/Comment&gt;</code>

TrackingNumber	
Definition	The <code>&lt;TrackingNumber&gt;</code> tag contains the number used to track a shipment.
Subtag of	<a href="#">PackageDetails</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;TrackingNumber&gt;0123456789&lt;/TrackingNumber&gt;</code>

Referrer	
Definition	The <code>&lt;Referrer&gt;</code> container holds all the information about the referrer.
Subtag of	<a href="#">Order</a>
Subtags	<a href="#">ID</a> , <a href="#">Name</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	complex
Example	<code>&lt;Referrer&gt;</code>

TaxDetails	
Definition	The <code>&lt;TaxDetails&gt;</code> container holds all the information about the taxes applied to this Order.
Subtag of	<a href="#">Order</a>
Subtags	<a href="#">Name</a> , <a href="#">Amount</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	complex
Example	<code>&lt;TaxDetails&gt;</code>

DiscountDetails	
Definition	The <code>&lt;DiscountDetails&gt;</code> container holds all the information about the discounts applied to this Order.

Subtag of	<a href="#">Order</a>
Subtags	<a href="#">Name</a> , <a href="#">Amount</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	complex
Example	<code>&lt;DiscountDetails&gt;</code>

<b>Amount</b>	
Definition	The <code>&lt;Amount&gt;</code> tag hold the value associate with the parent element.
Subtag of	<a href="#">TaxDetails</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">double</a>
Example	<code>&lt;Amount&gt;50.00&lt;/Amount&gt;</code>

<b>Affiliate</b>	
Definition	The <code>&lt;Affiliate&gt;</code> container holds all the information about the affiliate.
Subtag of	<a href="#">PaymentDetails</a>
Subtags	<a href="#">Payment</a> , <a href="#">ID</a> , <a href="#">Name</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	complex
Example	<code>&lt;Affiliate&gt;</code>

<b>Payment</b>	
Definition	The <code>&lt;Payment&gt;</code> tag contains the value paid to the affiliate.
Subtag of	<a href="#">Affiliate</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">double</a>
Example	<code>&lt;Payment&gt;52.46&lt;/Payment&gt;</code>

<b>RewardPoints</b>	
Definition	The <code>&lt;RewardPoints&gt;</code> tag contains the value of the Rewards Points redeemed.
Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">integer</a>
Example	<code>&lt;RewardPoints&gt;500&lt;/RewardPoints&gt;</code>

<b>RewardPointsAccrued</b>	
Definition	The <code>&lt;RewardPoints&gt;</code> tag contains the value of the Rewards Points earned.

Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">integer</a>
Example	<code>&lt;RewardPointsAccrued&gt;2246&lt;/RewardPointsAccrued&gt;</code>

RMACredit	
Definition	The <code>&lt;RMACredit&gt;</code> tag contains the value of the Return Credit Earned.
Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">double</a>
Example	<code>&lt;RMACredit&gt;24.68&lt;/RMACredit&gt;</code>

AuthorizationCode	
Definition	The <code>&lt;AuthorizationCode&gt;</code> tag contains the code sent by the Payment Gateway when a transaction completes successfully.
Subtag of	<a href="#">PaymentDetails</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;AuthorizationCode&gt;0123456789&lt;/AuthorizationCode&gt;</code>

TransactionID	
Definition	The <code>&lt;TransactionID&gt;</code> tag contains the unique ID of a transaction, determined by the Payment Gateway.
Subtag of	<a href="#">PaymentDetails</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;TransactionID&gt;0123456789&lt;/TransactionID&gt;</code>

PaymentGateway	
Definition	The <code>&lt;PaymentGateway&gt;</code> tag contains the name of the payment system used to process customer's payments.
Subtag of	<a href="#">PaymentDetails</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;PaymentGateway&gt;PayPal&lt;/PaymentGateway&gt;</code>

TotalTax	
Definition	The <TotalTax> contains a monetary value representing the total tax charged for an order.
Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">double</a>
Example	<TotalTax>4.25</TotalTax>

TotalVAT	
Definition	The <TotalVAT> contains a monetary value representing the total VAT charged for an order.
Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">double</a>
Example	<TotalVAT>4.25</TotalVAT>

GiftCertificate	
Definition	The <GiftCertificate> tag contains the total Gift Value applied to an order.
Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">double</a>
Example	<GiftCertificate>50.00</GiftCertificate>

GiftCertificateUsed	
Definition	The <GiftCertificateUsed> tag contains a Boolean value of "True" or "False". The value is True if a GiftCertificate was used with the order, and False if it was not used.
Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">Boolean</a>
Example	<GiftCertificateUsed>1</GiftCertificateUsed>

CategoryDiscount	
Definition	The <CategoryDiscount> tag contains the total value of Category-Based Discounts applied to an order.
Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">double</a>

Example	<code>&lt;CategoryDiscount&gt;45.02&lt;/CategoryDiscount&gt;</code>
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### ShoppingCart

Definition	The <b>&lt;ShoppingCart&gt;</b> container contains all the details from the "ProductsOrdered" table corresponding the items in the cart at the time of checkout.
Subtag of	<a href="#">Order</a>
Subtags	<a href="#">Items</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	container
Example	<code>&lt;ShoppingCart&gt;</code>

### Items

Definition	The <b>&lt;Items&gt;</b> container contains a list of <b>&lt;item&gt;</b> tags.
Subtag of	<a href="#">ShoppingCart</a>
Subtags	<a href="#">Item</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	container
Example	<code>&lt;Items&gt;</code>

### Item

Definition	The <b>&lt;Item&gt;</b> container contains details about that item.
	E.g. The item container may contain details about a Product, or BTO Configuration.
Subtag of	<a href="#">Items</a>
Subtags	<a href="#">ID</a> , <a href="#">SKU</a> , <a href="#">Name</a> , <a href="#">UnitPrice</a> , <a href="#">Quantity</a> , <a href="#">BTOConfiguration</a> , <a href="#">Option</a> , <a href="#">QuantityDiscount</a> , <a href="#">ItemDiscount</a> , <a href="#">GiftWrapping</a> , <a href="#">Price</a> , <a href="#">PackageID</a> , <a href="#">Total</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	complex
Example	<code>&lt;Item&gt;</code>

### BTOItem

Definition	The <b>&lt;BTOItem&gt;</b> container contains details about that BTO item.
	E.g. The item container may contain details about a BTO Configuration Item or Product.
Subtag of	<a href="#">BTOConfiguration</a>
Subtags	<a href="#">ID</a> , <a href="#">SKU</a> , <a href="#">Name</a> , <a href="#">Quantity</a> , <a href="#">CategoryID</a> , <a href="#">CategoryName</a> , <a href="#">AddPrice</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	complex



Example	<code>&lt;BTOItem&gt;</code>
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SKU	
Definition	The <code>&lt;SKU&gt;</code> is a user defined identification key for a Product.
Subtag of	<a href="#">Item</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;SKU&gt;ABC-123456&lt;/SKU&gt;</code>

UnitPrice	
Definition	The <code>&lt;UnitPrice&gt;</code> tag contains a monetary value representing the total price of a line item.
Subtag of	<a href="#">Item</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">double</a>
Example	<code>&lt;UnitPrice&gt;14.25&lt;/UnitPrice&gt;</code>

Quantity	
Definition	The <code>&lt;Quantity&gt;</code> tag contains an integer representing the number of a particular item.
Subtag of	<a href="#">Item</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">integer</a>
Example	<code>&lt;Quantity&gt;6&lt;/Quantity&gt;</code>

BTOConfiguration	
Definition	The <code>&lt;BTOConfiguration&gt;</code> container contains all the items in a BTO configuration.
Subtag of	<a href="#">Item</a>
Subtags	<a href="#">Item</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	container
Example	<code>&lt;BTOConfiguration&gt;</code>

CategoryID	
Definition	The <code>&lt;CategoryID&gt;</code> tag contains a number representing the unique ID of Category.
Subtag of	<a href="#">Item</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">integer</a>

Example	<code>&lt;CategoryID&gt;246&lt;/CategoryID&gt;</code>
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**CategoryName**

Definition	The <code>&lt;CategoryName&gt;</code> contains the name of a category or subcategory.
Subtag of	<a href="#">Item</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">string</a>
Example	<code>&lt;CategoryName&gt;Women's Apparel&lt;/CategoryName&gt;</code>

**AddPrice**

Definition	The <code>&lt;AddPrice&gt;</code> contains the monetary value that was added to the order.
Subtag of	<a href="#">Item</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">double</a>
Example	<code>&lt;AddPrice&gt;5.00&lt;/AddPrice&gt;</code>

**Option**

Definition	The <code>&lt;Option&gt;</code> container holds the Option Details.
Subtag of	<a href="#">Item</a>
Subtags	<a href="#">ID</a> , <a href="#">Name</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	complex
Example	<code>&lt;Option&gt;</code>

**QuantityDiscount**

Definition	The <code>&lt;QuantityDiscount&gt;</code> contains the total discount by quantity applied to the item.
Subtag of	<a href="#">Item</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">double</a>
Example	<code>&lt;QuantityDiscount&gt;16.24&lt;/QuantityDiscount&gt;</code>

**ItemDiscount**

Definition	The <code>&lt;ItemDiscount&gt;</code> contains the total discount by item applied to the item.
Subtag of	<a href="#">Item</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">double</a>
Example	<code>&lt;ItemDiscount&gt;16.24&lt;/ItemDiscount&gt;</code>

**GiftWrapping**

Definition	The <GiftWrapping> container contains the Gift Wrapping Details, if available.
Subtag of	<a href="#">Item</a>
Subtags	<a href="#">ID</a> , <a href="#">Name</a> , <a href="#">Price</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	container
Example	<GiftWrapping>

**PackageID**

Definition	The <PackageID> contains the unique identifier for the shipping information.
Subtag of	<a href="#">Item</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">integer</a>
Example	<PackageID>246</PackageID>

**Total**

Definition	The <Total> tag contains the Total Charges associated with a line item.
Subtag of	<a href="#">Item</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">double</a>
Example	<Total>24.68</Total>

**Price**

Definition	The <Price> tag contains the total cost of the element.
Subtag of	<a href="#">GiftWrapping</a>
Methods	<a href="#">GetOrderDetails</a>
Content Format	<a href="#">double</a>
Example	<Price>16.24</Price>

**CustomerComments**

Definition	The <CustomerComments> contains the message from the customer.
Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<CustomerComments>Customer Message</CustomerComments>

**AdminComments**

Definition	The < <b>AdminComments</b> > contains the message from the store administrator.
Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<AdminComments>Admin Message</AdminComments>

**ReturnDate**

Definition	The < <b>ReturnDate</b> > contains the date the order was marked as Returned.
Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">dateTime</a>
Example	<ReturnDate>2007-05-16</ReturnDate>

**ReturnReason**

Definition	The < <b>ReturnReason</b> > contains the date the order was marked as Processed.
Subtag of	<a href="#">Order</a>
Methods	<a href="#">GetOrderDetails</a> , <a href="#">AddOrder</a>
Content Format	<a href="#">string</a>
Example	<ReturnReason>Reason the item was returned.</ReturnReason>



### Appendix E – Getting Started Tools

The “Getting Started” Folder contains a number of useful tools to jump start development. Find the “Getting Started” folder in your XML Developer package, located in the same directory as this guide.

Contained within the folder are **Sample Applications**, **XML Request and Response Document Samples**, and **XML Tools Testing Software**.

#### **Sample Applications**

XML Tools comes with two sample client applications, one written in Classic ASP and one in VB.NET.

##### **Classic ASP Sample**

You will find the Classic ASP vbscript code in the “Classic ASP” folder. This code demonstrates a client application that uses HTTP to post XML documents at ProductCart XML Tools. ProductCart XML Tools replies with a response XML document that will be printed onto the screen.

This application is a simple example that can be used to *jump start* development of web-based client integrations. It shows how to successfully access XML Tools and add the required header to your request XML.

This code can also be utilized as a simple testing tool for the configuration of the XML Tools on your server. Cut and paste XML samples from the “XML Request and Response Docs” folder to test various methods with your client application.

##### **VB.NET Sample**

You will find the VB.NET Solution File in the “ASP.NET” folder. Double click the file to automatically open the solution in Visual Studio 2005. This code demonstrates a windows desktop client application that uses ASP.NET’s WebRequest, StreamReader, and TreeView to communicate with ProductCart XML Tools.

The application can be used to *jump start* the development of an ASP.NET 2.0 web or desktop application. A compiled version of this tool is also available in the “XML Tools Testing Software” folder for testing purposes.

You can copy XML samples from the “XML Request and Response Docs” folder into the client application’s form to test various methods against your XML Tools installation. For instructions on running the sample application see the “XML Tools Testing Software” section below.

#### **XML Request and Response Document Samples**

The “XML Request and Response Docs” folder contains one example “Request” and “Response” document for each of the methods available in ProductCart xml tools. These documents exemplify the correct XML document stucture and formatting required by ProductCart XML Tools.

The documents are provided as samples and pre-populated with sample data. Any of these documents can be modified, and then copied in the “XML Tools Testing Software” to test your installation of XML Tools.

For example, if you wanted to test the “AddCustomer” method, you would paste the xml body of the file “AddCustomerRequest.xml” into your testing application. When the new customer is successfully added to your ProductCart store you will know that your installation is running properly and that your document is formatted correctly.



These xml samples should be used in conjunction with the method element tables contained in this User Guide to ensure all XML sent to ProductCart XML Tools is formatted properly.

### ***XML Tools Testing Software***

Here you will find a published version of the .NET sample code. This tool will allow you to send the XML Samples at your XML Tools gateway to test your installation.

**To Install the XML Tools Testing Application follow these steps:**

1. Double click the file " XML Tools Testing Software.zip" to unzip all files
2. Double click "setup.exe"
3. The application will verify your pc is running the .NET framework 2.0
4. Next you will see a popup that says the publisher can not be verified
5. Click "Install" on the popup
6. Once installed the application will open automatically
7. You may also run the application from your Windows Start Menu > ProductCart XML Tools

**To Send XML to ProductCart XML Tools follow these steps:**

1. Enter your Partner ID
2. Enter your Partner Password
3. Enter your Partner Key
4. Select the Method you want to test
5. Enter the location of your XML Tools Gateway
6. Paste the body of the XML Request into the "Request Body" text area
7. Click "Call Method"



## Appendix F – XML References

Just a few links to online resources to help you learn more about XML.

- [XML Tutorial](#)
- [ASP and XML](#)
- [PHP and XML](#)
- [ColdFusion and XML](#)