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**E-Partner Solutions**

**Subject: XML Order Entry**

Welcome to the ASI XML Order Entry Guide. This guide explains how you can compose XML documents to interface between your e-commerce application and the ASI server and vice versa.

**ASI XML Overview**

Communication can be established to send ASI XML requests to and receive ASI XML replies from the ASI server via a secure Hypertext Transfer Protocol (HTTPS). For all order entry submission via XML documents, please post your document to the following URL:

<https://www.asipartner.com/partneraccess/xml/order.asp>

This URL will receive your XML document and deliver your order to our database. Here is example coding that shows how you could post a local XML document on your machine to our server using the XML Document Object Model in ASP:

<%@LANGUAGE="VBSCRIPT" CODEPAGE="1252"%>

<%

Response.ContentType = "text/xml"

' Initialize the XMLHTTP object

Set xmlLocalFile = Server.CreateObject("Microsoft.XMLHTTP")

xmlLocalFile.open "GET", "http://localhost/order.xml", false

xmlLocalFile.send

' This creates the XML document to send

set xmlDoc=Server.CreateObject("Microsoft.XMLDOM")

xmlDoc = xmlLocalFile.responseText

'This sends the XML document

Set xmlSendDoc = Server.CreateObject("Microsoft.XMLHTTP")

xmlSendDoc.open "POST", "https://www.asipartner.com/partneraccess/xml/order.asp", false

xmlSendDoc.send(xmlDoc)

Response.write xmlSendDoc.responseText

%>

Our URL will not accept a binary file object at this time. The method shown above sends the XML document as a string that our URL accepts and parses. Upon sending the document, this example then writes our server’s response to your request.

**ASI Order Request Document Specifications**

| **Element Name** | **Data Type** | **Maximum Length** | **Element Description/Requirements** |
| --- | --- | --- | --- |
| header | | | |
| header attribute: custid | xs:integer | 6 | Required. This is your ASI account number. |
| header attribute: custpo | xs:string | 20 | Required. |
| header attribute: cert | xs:string | 15 | Required. |
| shipto | | | Required. This element contains the shipping address and recipient of the order. |
| shipto / name | xs:string | 30 | Required. |
| shipto / address1 | xs:string | 30 | Required. |
| shipto / address2 | xs:string | 30 | Optional. |
| shipto / address3 | xs:string | 30 | Optional. |
| shipto / address4 | xs:string | 30 | Optional. |
| shipto / city | xs:string | 25 | Required. |
| shipto / state | xs:string | 2 | Required. |
| shipto / zip | xs:string | 12 | Required. |
| shipto / country | xs:string | 2 | Optional. If this element is not included, our system will default to US. |
| shipinfo | | | Required. This element contains the shipping method and additional instructions for the order. |
| shipinfo / via | xs:string | 3 | Required. This is the requested shipping method. While we will try to ship all orders as requested, availability will determine final shipping method. |
| shipinfo / instructions | xs:string | 30 | Optional. |
| shipinfo / freightaccount | xs:string | 30 | Optional. |
| detail | | | |
| line | | | Required. The number of line items is not limited on each order. |
| line / sku | xs:integer | 6 | Required. This element is the ASI sku number. |
| line / qty | xs:integer | 5 | Required. |
| line / price | xs:float | 5:2 | Required. It is recommended that you use the price listed in the XML price feed. Alternately, you may use the CSV feed price but your order maybe rejected if the CSV feed price is lower than the XML feed price. This is because the CSV feed is updated only once every 24 hours whereas the XML feed is updated once every 30 minutes and hence is more real-time. Thus using XML price feed is recommended to ensure you are seeing the latest price and inventory. All prices are subject to review by your Account Executive and the ASI credit department. |
| line / branch | xs:integer | 4 | Optional. This element is ASI Branch ID.   |  |  |  | | --- | --- | --- | | ID | Code | Name | | 1016 | FR | Fremont | | 1028 | LA | Los Angeles | | 1116 | AT | Atlanta | | 1216 | CH | Chicago | | 1316 | DA | Dallas | | 1516 | KA | Kansas | | 1716 | NJ | New Jersey | | 2216 | TO | Toronto | | 2416 | MI | Miami | | 2616 | PO | Portland | | 3116 | VN | Vancouver | |

**ASI Order Reply Document Specifications**

|  |  |  |  |
| --- | --- | --- | --- |
| **Element Name** | **Data Type** | **Maximum Length** | **Element Description/Requirements** |
| order | | | |
| order / orderid | xs:integer | 8 | Returned if the XML document was received and the order number was successfully generated in our system. |
| order / webref | xs:string | 15 | Returned if the XML document was received but order number was not generated. Instead a web reference number is returned. Customer need not resubmit the order again. An order number corresponding to the web reference number will be sent by email shortly. |
| error | | | |
| error / code | xs:integer | - | Returned if an error occurs during processing |
| error / message | xs:string | - | Returned with each error code |

**Note:** If an order is successful, you will receive either an order number or a web reference number in the response and the order is recorded in ASI’s database. But if you receive an error code in response, it means the order was rejected and ASI will have no record of the order.

**Example of an XML document request for order entry**

The order entry XML document should be formatted as follows:

<?xml version="1.0" ?>

<ASIOrderRequest custid="73940" custpo="TestXMLOrder" cert="ABCDEF123456789">

<header>

<shipto>

<name>Test Company</name>

<address1>1680 Glenville Dr</address1>

<address2>Suite 168</address2>

<city>Richardson</city>

<state>TX</state>

<zip>75081</zip>

<country>US</country>

</shipto>

<shipinfo>

<via>FDG</via>

<instructions>Special instructions go here</instructions>

</shipinfo>

</header>

<detail>

<line>

<sku>179062</sku>

<qty>2</qty>

<price>55.00</price>

<branch>1016</branch>

</line>

<line>

<sku>107316</sku>

<qty>1</qty>

<price>144.00</price>

<branch>1016</branch>

</line>

</detail>

</ASIOrderRequest>

**Examples of successful XML document replies to an order entry request**

Example1: The following is an example of a reply indicating a successful transaction. An order number is returned.

<?xml version="1.0" ?>

<ASIOrderReply>

<order>

<orderid>**10854989**</orderid>

</order>

</ASIOrderReply>

Example 2: The following is an example where an order number could not be generated but instead a Web Reference Number was returned. Customer need not submit the order again. An order number corresponding to this web reference number will be emailed to you shortly.

<?xml version="1.0" ?>

<ASIOrderReply>

<order>

<webref>**WebRefNum419515**</webref>

</order>

</ASIOrderReply>

**Example of unsuccessful XML document reply to an order entry request**

Example: An unsuccessful transaction would result in a reply that looks as follows. In this case, the XML certificate submitted in the order does not match the customer’s certificate.

<?xml version="1.0" ?>

<ASIOrderReply>

<error>

<code>**502**</code>

<message>**Your certificate is invalid**</message>

</error>

<ASIOrderReply>

**List of Error Codes**

|  |  |
| --- | --- |
| **Code** | **Message** |
| 101 | SKU's price does not match your XML feed price |
| 101 | SKU could not be checked, No inventory found – This error message means that the sku is discontinued and orders cannot be accepted for it. |
| 500 | The branch element is invalid |
| 502 | Your certificate is invalid |
| 502 | Your certificate attribute [cert] missing |

**Back Orders:**

If a SKU is out of stock but is still an active SKU, customer can submit back orders for such an item using XML.

**Contact Us:**

For any questions, comments, or concerns, please send email to [webmaster@asipartner.com](mailto:webmaster@asipartner.com)