



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.																																				
			<table><tr><th>ID</th><th>Code</th><th>Name</th></tr><tr><td>1016</td><td>FR</td><td>Fremont</td></tr><tr><td>1028</td><td>LA</td><td>Los Angeles</td></tr><tr><td>1116</td><td>AT</td><td>Atlanta</td></tr><tr><td>1216</td><td>CH</td><td>Chicago</td></tr><tr><td>1316</td><td>DA</td><td>Dallas</td></tr><tr><td>1516</td><td>KA</td><td>Kansas</td></tr><tr><td>1716</td><td>NJ</td><td>New Jersey</td></tr><tr><td>2216</td><td>TO</td><td>Toronto</td></tr><tr><td>2416</td><td>MI</td><td>Miami</td></tr><tr><td>2616</td><td>PO</td><td>Portland</td></tr><tr><td>3116</td><td>VN</td><td>Vancouver</td></tr></table>	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
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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>
  </detail>
</ASIOrderRequest>
```

```

        <line>
            <sku>107316</sku>
            <qty>1</qty>
            <price>144.00</price>
            <branch>1016</branch>
        </line>
    </detail>
</ASIOOrderRequest>

```

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" ?>
<ASIOOrderReply>
    <order>
        <orderid>10854989</orderid>
    </order>
</ASIOOrderReply>

```

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" ?>
<ASIOOrderReply>
    <order>
        <webref>WebRefNum419515</webref>
    </order>
</ASIOOrderReply>

```

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" ?>
<ASIOOrderReply>
    <error>
        <code>502</code>
        <message>Your certificate is invalid</message>
    </error>
</ASIOOrderReply>

```

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