

Title: Integrating with BTBIS

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Revisions:

Date	Version	Name	Details
07/09/2012	1.2	JFL	Altered test URL to be AddXMLOrderManual.cfm
27/03/2013	1.3	JMG	<ul style="list-style-type: none">Added note about commas in XMLRemoved fields which are no longer used
10/12/2013	1.4	JMG	Added recommendation regarding re-sending of XML
18/11/2014	1.5	JMG	Update URLs to reflect new server infrastructure

NB: This document does not contain any live URLs, usernames or passwords. These will be sent to you during the account implementation process.

1. Document Purpose

- BTBIS allows for orders to be imported using XML. This document explains how this is done.
- BTBIS can be interrogated using web services (SOAP) in order to gain information regarding status of any orders sent, and stock updates.

2. Importing XML Orders - Direct Online Real Time Orders :

BTBIS allows orders to be posted to designated service URL that accepts orders from an e-commerce website.

e.g. Once an order is placed on a website and the customer has paid or once an order is approved, the procedure is as follows:

CREATE and POPULATE A XML ORDER STRUCTURE in the format specified in Appendix 1.

Populate a form field with the ORDER XML which must be called **OrderXML**

Form must be METHOD = POST submitted to a specified URL provided by BTB.

Only orders with valid structure and authentication will be accepted.

Sample url for Order Submission:

[https://data-rfc.asendia.co.uk/\[ClientNameInAccountSetup\]/externalcom/AddXMLOrder.cfm?ClientSys=\[ClientNameInAccountSetup\]](https://data-rfc.asendia.co.uk/[ClientNameInAccountSetup]/externalcom/AddXMLOrder.cfm?ClientSys=[ClientNameInAccountSetup])

Testing

A test service will be provided which may be used to test XML data by submitting it into a TEXT AREA.

Sample Test URL:

https://data-rfc.asendia.co.uk/**ClientNameInAccountSetup**/externalcom/AddXMLOrderManual.cfm?**ClientSys=ClientNameInAccountSetup**

For full implementation and background process it is best practice to make the FORM Field a hidden field.

Sample Form:

```
<form name="BTBOrderXMLForm" action="addXMLOrder.cfm?ClientSys=ClientNameInAccountSetup"
method="post">
  <input type="hidden" name="OrderXML" value="Full XML Content Here" />
  <input type="hidden" name="ClientUrl" value=" ClientNameInAccountSetup " />
    <input name="submit" value="submit" type="submit" />
</form>
```

The BTBIS XML Spec can be found in Appendix 1 of this document.

IMPORTANT: re-sending of XML in the event of network connectivity issues

We recommend you have functionality in place to re-send XML at a later date in the event of network connectivity issues. If you don't receive a response of "Success" and a 200 status, you should schedule the XML to re-try at regular intervals until successful.

Depending on the nature of the issue we cannot guarantee the XML will be saved on BTBIS so it's important that:

- 1) The XML is stored on your server prior to sending.
- 2) Your process re-tries until a successful response is returned.

If you continue to receive unsuccessful responses from BTBIS, please contact your Account Executive as this may indicate a problem with the XML itself.

3. Web Services:

- a. All services can be tested using a SOAP client such as soapUI which can be downloaded from www.soapui.org.
- b. **Sample URL:**

<https://reporting-rfc.asendia.co.uk/ClientNameInAccountSetup/externalcom/webservice.cf?wsdl>

c. **getOrder()**

- i. Method to handle Order Search and return Order Status.
Enables clients to check the status of orders in real-time.
- ii. Parameters
 1. OrderIDList, String, Required (This can be a single ID or a comma delimited list)
 2. ReturnID="1", String, Required
 3. username, String, Required
 4. password , String, Required
- iii. Usage
 1. To establish whether BTB has already imported/entered new orders from or for any client order data feeds
 2. To check if Order has been picked and despatched
 3. To assist client in Clearing down the Orders presented for Import via their XML URL.
 4. To help clients integrate online real time ORDER status checking without need to contact BTB

Sample Soap Request

```
<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ext="http://externalcom.clientname">
  <soapenv:Header/>
  <soapenv:Body>
    <ext:getOrder soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <OrderIDList xsi:type="xsd:string">5708339,5708340,5708341,5708342</OrderIDList>
      <ReturnType xsi:type="xsd:string">1</ReturnType>
      <username xsi:type="xsd:string">admin</username>
      <password xsi:type="xsd:string">nimda</password>
    </ext:getOrder>
  </soapenv:Body>
</soapenv:Envelope>
```

Sample Soap Response Returned

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getOrderResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="http://externalcom.clientname">
      <getOrderReturn xsi:type="ns2:Document" xmlns:ns2="http://xml.apache.org/xml-soap">
        <recordset>
          <record>
            <DELIVERYMETHOD>RM1</DELIVERYMETHOD>
            <DESPATCHED>Yes</DESPATCHED>
            <DESPATCHEDDATE>08/10/2008</DESPATCHEDDATE>
            <ORDERID>5708339</ORDERID>
            <PICKINGSTATUS>Completed</PICKINGSTATUS>
            <TRACKNO/>
          </record>
          <record>
            <DELIVERYMETHOD>RM1</DELIVERYMETHOD>
            <DESPATCHED>Yes</DESPATCHED>
            <DESPATCHEDDATE>24/06/2008</DESPATCHEDDATE>
            <ORDERID>5708342</ORDERID>
            <PICKINGSTATUS>Completed</PICKINGSTATUS>
            <TRACKNO/>
          </record>
          <record>
            <DELIVERYMETHOD>OC01</DELIVERYMETHOD>
            <DESPATCHED>Yes</DESPATCHED>
            <DESPATCHEDDATE>14/05/2008</DESPATCHEDDATE>
            <ORDERID>5708340</ORDERID>
            <PICKINGSTATUS>Completed</PICKINGSTATUS>
            <TRACKNO>EE44 2842 970GB</TRACKNO>
          </record>
          <record>
            <DELIVERYMETHOD>RM1R</DELIVERYMETHOD>
            <DESPATCHED>Yes</DESPATCHED>
            <DESPATCHEDDATE>30/09/2008</DESPATCHEDDATE>
            <ORDERID>5708341</ORDERID>
            <PICKINGSTATUS>Completed</PICKINGSTATUS>
            <TRACKNO>JD00 0226 8647 0145 53</TRACKNO>
          </record>
        </recordset>
      </getOrderReturn>
    </ns1:getOrderResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

d. **getStockUpdate()**

i. Method to handle Stock Search and return Status

Client can use this to get their STOCK Status online real-time

ii. Parameters

1. ProductIDList, String, Required (This can be a single ID or a comma delimited list)
2. ReturnType, String, Required. 1=XML, 2=Array, 3=Struct, 4=Comma Delimited, 5 Query results in XML
3. username, String, Required
4. password , String, Required

iii. Usage:

1. To allow client access to their Stock Level
2. To provide client with a means of integrating STOCK to their online service e.g e- commerce site
3. To provide a Stock List containing Physical, Free and Reserved Stock

Sample Soap Request

```
<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ext="http://externalcom.clientname">
  <soapenv:Header/>
  <soapenv:Body>
    <ext:getStockUpdate soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <ProductIDList xsi:type="xsd:string">131159,131158</ProductIDList>
      <ReturnType xsi:type="xsd:string">1</ReturnType>
      <username xsi:type="xsd:string">admin</username>
      <password xsi:type="xsd:string">nimda</password>
    </ext:getStockUpdate>
  </soapenv:Body>
</soapenv:Envelope>
```

Sample Soap Response Returned

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getStockUpdateResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="http://externalcom.clientname">
      <getStockUpdateReturn xsi:type="ns2:Document"
xmlns:ns2="http://xml.apache.org/xml-soap">
        <recordset>
          <record>
            <DESCRIPTION>Teeth Whitener</DESCRIPTION>
            <FREESTOCK>0</FREESTOCK>
            <PHYSICALSTOCK>0</PHYSICALSTOCK>
            <PRODUCTCODE>131159</PRODUCTCODE>
            <RESERVEDSTOCK>0</RESERVEDSTOCK>
          </record>
          <record>
            <DESCRIPTION>Welcome Letter Skinny Patch</DESCRIPTION>
            <FREESTOCK>500</FREESTOCK>
            <PHYSICALSTOCK>500</PHYSICALSTOCK>
            <PRODUCTCODE>131158</PRODUCTCODE>
            <RESERVEDSTOCK>0</RESERVEDSTOCK>
          </record>
        </recordset>
      </getStockUpdateReturn>
    </ns1:getStockUpdateResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

e. **getOrderReturns()**

i. Method to handle Order Returned by Customers

Client can use this to get RETURNED ORDERS data online real-time

ii. Parameters

1. OrderIDList, String, Required (This can be a single ID or a comma delimited list)
2. ReturnType, String, Required. 1=XML, 2=Array, 3=Struct, 4=Comma Delimited, 5 Query results in XML
3. **startdate**: String, Required- Start date of Returns to retrieve, format yyyy-mm-dd
4. **enddate**: String, Required- End date of Returns to retrieve, format yyyy-mm-dd
5. username, String, Required
6. password , String, Required

iii. Usage:

1. To provide a list of CUSTOMER ORDERS returned after despatch
2. To enable client provide online real time status for RETURNED ORDERS

Sample Soap Request

```
<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ext="http://externalcom.clientname">
  <soapenv:Header/>
  <soapenv:Body>
    <ext:getOrderReturns soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <OrderIDList xsi:type="xsd:string"></OrderIDList>
      <ReturnType xsi:type="xsd:string">1</ReturnType>
      <startdate xsi:type="xsd:string">2009-01-02</startdate>
      <enddate xsi:type="xsd:string">2009-03-22</enddate>
      <username xsi:type="xsd:string">admin</username>
      <password xsi:type="xsd:string">nimda</password>
    </ext:getOrderReturns>
  </soapenv:Body>
</soapenv:Envelope>
```

Sample Soap Response Returned

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getOrderReturnsResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="http://externalcom.clientname">
      <getOrderReturnsReturn xsi:type="ns2:Document" xmlns:ns2="http://xml.apache.org/xml-soap">
        <recordset>
          <record>
            <ADD1>FLAT 349 DUKES HEAD STREET</ADD1>
            <ADD2/>
            <ADD3/>
            <BTBORDERNO>32723</BTBORDERNO>
            <CLIENTORDNO>6245072</CLIENTORDNO>
            <COMPANY/>
            <COUNTRY>UK</COUNTRY>
            <COUNTY>UK</COUNTY>
            <DATEReturned>2009-03-18 00:00:00.0</DATEReturned>
            <DELMETH>RM1</DELMETH>
            <DESPATCHEDID/>
          </record>
        </recordset>
      </getOrderReturnsReturn>
    </ns1:getOrderReturnsResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

```

        <FIRSTNAME>VICKY</FIRSTNAME>
        <PCODE>NR32 1JY</PCODE>
        <PRODCODE>ATL01_202-EDS</PRODCODE>
        <PROD_DESC>Pure Cleanse Dietary Supplements</PROD_DESC>
        <QTYRETURNED>1</QTYRETURNED>
        <SURNAME>HOWE</SURNAME>
        <TITLE/>
        <TOSTOCK>1</TOSTOCK>
        <TOWN>LOWESTOFT SUFFOLK</TOWN>
    </record>
    <record>
        <ADD1>32D DARTMOUTH PARK HILL</ADD1>
        <ADD2/>
        <ADD3/>
        <BTBORDERNO>6510</BTBORDERNO>
        <CLIENTORDNO>5888524</CLIENTORDNO>
        <COMPANY/>
        <COUNTRY>UK</COUNTRY>
        <COUNTY>ENGLAND</COUNTY>
        <DATEReturned>2009-02-10 00:00:00.0</DATEReturned>
        <DELVMETH>DHL_RES_48</DELVMETH>
        <DESPATCHEDID/>
        <FIRSTNAME>LIN</FIRSTNAME>
        <PCODE>NW5 1HN</PCODE>
        <PRODCODE>ATL01_BOOKLET02</PRODCODE>
        <PROD_DESC>Wu-Yi New Booklet</PROD_DESC>
        <QTYRETURNED>1</QTYRETURNED>
        <SURNAME>TENDELL</SURNAME>
        <TITLE/>
        <TOSTOCK>1</TOSTOCK>
        <TOWN>LONDON</TOWN>
    </record>
</recordset>
</getOrderReturnsReturn>
</ns1:getOrderReturnsResponse>
</soapenv:Body>
</soapenv:Envelope>

```

4. Appendix I - XML Field Format

- All the fields below must be listed in the XML.
- Nodes marked as required <!-- Required --> must include a value. The others can be left empty.
- If data is likely to contain characters which are deemed to be illegal in XML, please use <![CDATA[Your Data Here]]>. For more information go to:
http://www.w3schools.com/xml/xml_cdata.asp
- Please do not include commas at all, even within CDATA tags
- All nodes should be included when sending XML. Nodes should always contain a value unless stated otherwise in comments below.**

```
<ArrayOfPurchaseOrder>
  <PurchaseOrder>
    <CreatedBy>AcmeCompany</CreatedBy><!-- Your company name -->
    <CreatedOn>2013-02-22T11:13:15.617</CreatedOn>
    <AmendedBy>AcmeCompany</AmendedBy><!-- Your company name -->
    <AmendedOn>2013-03-22T11:13:15.617</AmendedOn>
    <Campaign>ImportOrder</Campaign>
    <UserID>UserID</UserID><!-- As provided by implementation -->
    <Password>*****</Password><!-- As provided by implementation -->
    <ContactNumber>123</ContactNumber><!-- This is a customer reference number NOT a telephone number -->
    <Title>Mr</Title><!-- Can be left empty -->
    <Forename>John</Forename><!-- Invoice First Name -->
    <Surname>Smith</Surname><!-- Invoice Surname -->
    <Company></Company><!-- Can be left empty -->
    <Email>test@test.com</Email>
    <Phone>023456789</Phone>
    <Currency>GBP</Currency><!-- 3 character ISO currecnry code -->
    <CurrentState>Confirmed</CurrentState><!-- Node value must always be Confirmed -->
    <PurchaseOrderNumber>4707</PurchaseOrderNumber><!-- This is your internal order number -->
    <IsGift></IsGift><!-- Can be left empty. For future use -->
    <TaxAmount>0.0000</TaxAmount><!-- VAT, Sales Tax etc. Please uses zeroes even if nil -->
    <DeliveryAmount>3.0000</DeliveryAmount><!-- Postage, delivery costs. Please uses zeroes even if nil -->
    <TotalAmount>33.0000</TotalAmount><!-- Total order. Please uses zeroes even if nil -->
    <IsTest>0</IsTest><!-- Set to 1 whenever testing -->
    <DeliveryTitle>Mr</DeliveryTitle>
    <DeliveryForename>John</DeliveryForename>
    <DeliverySurname>Smith</DeliverySurname>
    <DeliveryCompany>Acme Company Ltd</DeliveryCompany>
    <DeliveryAddress>1 Delivery Road</DeliveryAddress>
    <DeliveryAddress2></DeliveryAddress2>
    <DeliveryAddress3></DeliveryAddress3><!-- Can be left empty -->
    <DeliveryTown>Test Town</DeliveryTown><!-- Can be left empty if not available. Should ALWAYS be provided
for UK orders -->
    <DeliveryCounty>Test County</DeliveryCounty>
    <DeliveryPostcode>TT1 77T</DeliveryPostcode><!-- Can be left empty if not available. Should ALWAYS be
provided for UK orders -->
    <DeliveryCountry>UK</DeliveryCountry><!-- ISO 2 character country code-->
    <DeliveryMessage>Pls leave at door</DeliveryMessage><!-- Can be left empty-->
    <BillingAddress>1 Invoice Road</BillingAddress>
    <BillingAddress2></BillingAddress2>
    <BillingAddress3></BillingAddress3><!-- Can be left empty-->
    <BillingTown>Invoice Town</BillingTown><!-- Can be left empty if not available. Should ALWAYS be provided
for UK orders -->
    <BillingCounty>Invoice County</BillingCounty>
    <BillingPostcode>TT2 88T</BillingPostcode>
    <BillingCountry>UK</BillingCountry><!-- ISO 2 character country code -->
    <ShipMethod>DPD_24</ShipMethod><!-- Please confirm with Account Executive, the methods which can be
used -->
    <PurchaseItems>
      <PurchaseItem>
        <CreatedBy>AcmeCompany</CreatedBy>
```



```

        <CreatedOn>2013-02-22T11:13:15.617</CreatedOn>
        <PurchaseItemNumber></PurchaseItemNumber><!-- Can be left empty -->
        <PurchaseOrderNumber>4707</PurchaseOrderNumber>
        <ProductCode>131</ProductCode><!-- Must be a valid product already in Asendia's Inventory
-->

        <LineNumber>1</LineNumber>
        <ProductName>BH02 Acme Product</ProductName>
        <ProductPrice>10.00</ProductPrice><!-- Please use zeroes even if nil -->
        <Quantity>1</Quantity>
    </PurchaseItem>
    <PurchaseItem>
        <CreatedBy>AcmeCompany</CreatedBy>
        <CreatedOn>2013-02-22T11:13:15.617</CreatedOn>
        <PurchaseItemNumber></PurchaseItemNumber><!-- Can be left empty -->
        <PurchaseOrderNumber>4707</PurchaseOrderNumber>
        <ProductCode>132</ProductCode><!-- Must be a valid product already in Asendia's Inventory
-->

        <LineNumber>1</LineNumber>
        <ProductName>BH02 Acme Product</ProductName>
        <ProductPrice>10.00</ProductPrice><!-- Please uses zeroes even if nil -->
        <Quantity>2</Quantity>
    </PurchaseItem>
</PurchaseItems>
</PurchaseOrder>
</ArrayOfPurchaseOrder>

```