Blue Alligator Cloud Web Service Reference

Document History

Date	Issue	Notes
11 December 2014	11	Added **OrderType** field to the **ListUnexportedOrders** method – allows you to retrieve a list of orders of a given type (Order, Quote, Invoice, Credit Note) rather than all orders.
11 July 2014	10	Added sales tax fields to the data that is retrieved for an order via the **GetUnexportedOrder** method.
8 October 2013	9	Added **StdPrice** field to the order formats (for future use). Added some guidelines in the **GetUnexportedOrder** section for users creating their own order import processes.
11 June 2013	8	Added order line analysis fields to the data that is retrieved for an order via the **GetUnexportedOrder** method.
7 May 2013	7	Added customer user fields and order analysis fields to the data that is retrieved for an order via the **GetUnexportedOrder** method.
26 June 2012	6	Added **BackOfficeRef** field to **UploadFile** and **ListFiles** methods
19 June 2012	5	Added **ListFiles** and **DeleteFile** methods
3 April 2012	4	Added **SSDID** field to the order formats
7 February 2012	3	Added nett price and value fields to the order formats (this is in addition to the gross price and value fields output by previous versions of the web service).
5 January 2012	2	Added a section to explain field format changes relating to multi-delivery address orders
23 November 2011	1	Initial issue

Introduction

During the day-to-day usage of the Blue Alligator Sales Presenter order taking app for the Apple iPad, a user will usually log into their cloud account at www.bacapps.co.uk to manage their data and images.

These tasks can be automated by software developers with sufficient skills to develop the facility in their back-office system to communicate directly with a cloud account via a web service.

This document details the web service, its protocols and the available methods that a developer can use.

Accessing the web service

The web service can be accessed using the following URL:

http://www.bacapps.co.uk/baccloud/integrationservice.asmx/

Calls to the available methods are made using **HTTP POST** actions. The request and response content types are "**text/xml**".

Available Methods

The following methods are available in the web service. Simply append the method name to the end of the web service URL to access a particular method

Method	Module*	Description
UploadFile	Data Management	This method allows you to upload your data and image files to your cloud account. Compressed files (in the .ZIP format) can be uploaded and will automatically be uncompressed by the web service. There are options for uploading a complete file in one call to the method or splitting the uploading of large files over several calls.
ProcessFiles	Data Management	This method automates the actioning of the "Process Files" option in your cloud account. It prepares the most recently uploaded data files (as per your currently configured file and field mappings) for downloading into Sales Presenter running on an iPad.
ListFiles	Data Management	This method lets you retrieve a list of files that are in your cloud storage area.
DeleteFile	Data Management	This method lets you delete a file from your cloud storage area.
ListUnexportedOrders	Order Download	This method allows you to retrieve a list of orders that reside in your cloud account but have yet to be exported to your back-office system.
MarkOrderAsExported	Order Download	This method allows you to mark an order in your cloud account as "exported" so that you do not attempt to re-export a particular order more than once (causing duplicate orders to exist in your back-office system).
GetUnexportedOrder	Order Download	This method allows you to retrieve the details of an unexported order, ready for importing into your back-office system. A number of content formats are available (such as CSV or XML).

* Methods in the Data Management module are accessible by all users. Methods in the Order Download module are only accessible by users that have purchased that module.

The remainder of this document details each of the available methods.

UploadFile method

This method allows you to upload your data and image files to your cloud account. Compressed files (in the .ZIP format) can be uploaded and will be uncompressed automatically by the web service. There are options for uploading a complete file in one call to the method or splitting the uploading of large files over several calls.

The contents of the file that you wish to upload should be converted into a Base64 format string before being placed in the request content.

URL: **http://www.bacapps.co.uk/baccloud/integrationservice.asmx/uploadfile**

Request content objects:

Object	Description
Baccloud	This is the wrapper for the request content.
Licence	Contains the user name (licence number) from your cloud account
Activation	Contains the pass code (activation code) from your cloud account.
Filename	Contains the name of the file you are uploading.
Currentchunk	Files can be uploaded in either one call to the method or several calls. The first call for a particular file would use a value of 0 (zero). This would then be incremented for subsequent calls relating to the same file.
Maxbytes	Set to 0 (zero) when uploading a complete file in one call. If splitting the uploading of large files into several calls then this value should contain the number of bytes being uploaded in each call.
Filelength	Contains the length of the file (in bytes)
Filedata	Contains the file content, in the format of a base64 string
Backofficeref	An optional piece of information (such as a reference or original timestamp of your file) that you wish to record against the file in the cloud storage area and subsequently retrieve via the **ListFiles** method.

Example request:

```
<baccloud>
        <licence>your user name goes here</licence>
        <activation>your pass code goes here</activation>
        <filename>locations.csv</filename>
        <currentchunk>0</currentchunk>
        <maxbytes>0</maxbytes>
        <filelength>10</filelength>
        <filedata>base64 string representation of your data</filedata>
        <backofficeref></backofficeref>
</baccloud>
```

Response content objects:

Object	Description
Result	This is the wrapper for the response content.
Code	Contains 0 (zero) if the file was successfully uploaded and stored in your cloud storage area. A non-zero value indicates that the upload failed.
Message	Contains a description of the result code (such as “Upload file ok”, “Upload file failed”).

Example responses:

1. Successful upload

```
<result>
        <code>0</code>
        <message>Upload file ok</message>
</result>
```

2. Unsuccessful upload

```
<result>
        <code>1</code>
        <message>Upload file failed</message>
</result>
```

ProcessFiles method

This method allows you to upload your data and image files to your cloud account. Compressed files (in the .ZIP format) can be uploaded and will be uncompressed automatically by the web service. There are options for uploading a complete file in one call to the method or splitting the uploading of large files over several calls.

This method automates the actioning of the "Process Files" option in your cloud account. It prepares the most recently uploaded data files (as per your currently configured file and field mappings) for downloading into Sales Presenter running on an iPad.

The method will wait until the processing of the files has completed before returning a response. The length of time taken to perform the processing will vary based on the volume of your data. Therefore you may need to place a longer timeout on your call to this method. If your call does time-out before returning a response, the process will continue to run on the web server and you do not need to call the method again until after you've uploaded new data.

URL: **http://www.bacapps.co.uk/baccloud/integrationservice.asmx/processfiles**

Request content objects:

Object	Description
Baccloud	This is the wrapper for the request content.
Licence	Contains the user name (licence number) from your cloud account
Activation	Contains the pass code (activation code) from your cloud account.

Example request:

```
<baccloud>
        <licence>your user name goes here</licence>
        <activation>your pass code goes here</activation>
</baccloud>
```

Response content objects:

Object	Description
Result	This is the wrapper for the response content.
Code	Contains 0 (zero) if your files were processed ok. A non-zero value indicates that there was an error during the processing of your files.
Message	Contains a description of the result code.

Example responses:

1. Successful process

```
<result>
        <code>0</code>
        <message>Files processed ok</message>
</result>
```

2. Unsuccessful process

```
<result>
        <code>1</code>
        <message>Process files failed</message>
</result>
```

ListFiles

This method allows you to retrieve a list of files that are in your storage area.

URL: **http://www.bacapps.co.uk/baccloud/integrationservice.asmx/listfiles**

Request content objects:

Object	Description
Baccloud	This is the wrapper for the request content.
Licence	Contains the user name (licence number) from your cloud account
Activation	Contains the pass code (activation code) from your cloud account
Type	Type of file you want to retrieve a list of (0=Data files, 1=Image files)

Example request:

```
<baccloud>
        <licence>your user name goes here</licence>
        <activation>your pass code goes here</activation>
        <type>1</type>
</baccloud>
```

Response content objects:

Object	Description
Result	This is the wrapper for the response content.
Code	Contains 0 (zero) if a list of orders was retrieved. A non-zero value indicates that an error occurred.
Message	Contains a description of the result code. This object is only present if an error occurred.
Files	This is a wrapper for the list of files.
File	This is a wrapper for a file. One entry of this object appears for each file listed. If there are no entries then it means that there are currently no files of the requested type in your storage area.
ID	An internal reference number for each individual file.
Name	The name of the file.
Size	The size (in bytes) of the file.
Time	The time the file was created in your cloud storage area, in the format **YYYYMMDDHHMMSS** (year, month, day, hour, minute, second).
BackOfficeRef	An optional reference field that was recorded against the file during the upload process.

Example responses:

1. Two files exist in your cloud storage area.

```
<result>
        <code>0</code>
        <Files>
                <File>
                        <ID>1</ID>
                        <Name>prod1.jpg</Name>
                        <Size>10240</Size>
                        <Time>20120619143000</Time>
                        <BackOfficeRef></BackOfficeRef>
                </File>
                <File>
                        <ID>76</ID>
                        <Name>prod2.jpg</Name>
                        <Size>32754</Size>
                        <Time>20120531103245</Time>
                        <BackOfficeRef></BackOfficeRef>
                </File>
        </Files>
</result>
```

2. The call was successful but there were no files of the requested type in your cloud storage area

```
<result>
        <code>0</code>
        <Files>
        </Files>
</result>
```

3. Unable to retrieve a list of files

```
<result>
        <code>1</code>
        <message>Unable to list files</message>
</result>
```

DeleteFile method

This method allows you to delete a file from your cloud storage area.

URL: **http://www.bacapps.co.uk/baccloud/integrationservice.asmx/deletefile**

Request content objects:

Object	Description
baccloud	This is the wrapper for the request content.
licence	Contains the user name (licence number) from your cloud account
activation	Contains the pass code (activation code) from your cloud account.
filename	Contains the name of the file you want to delete.

Example request:

```
<baccloud>
    <licence>your user name goes here</licence>
    <activation>your pass code goes here</activation>
    <filename>prod1.jpg</filename>
</baccloud>
```

Response content objects:

Object	Description
result	This is the wrapper for the response content.
code	Contains 0 (zero) if the file was successfully deleted from your cloud storage area. A non-zero value indicates that the file couldn't be deleted
message	Contains a description of the result code (such as "Delete file ok", "Delete file failed").

Example responses:

Successful deletion

```
<result>
    <code>0</code>
    <message>Delete file ok</message>
</result>
```

Unsuccessful deletion

```
<result>
    <code>1</code>
    <message>Delete file failed</message>
</result>
```

ListUnexportedOrders method

This method allows you to retrieve a list of orders that reside in your cloud account but have yet to be exported to your back-office system.

The intention is that you make a call to this method to retrieve a list of orders that are ready to download (export), then you work through this list, making calls to GetUnexportedOrder and MarkOrderAsExported for each of the orders to retrieve their details and to let your cloud account know that you've retrieved and processed the order ok.

The method is only accessible by users that have purchased the Order Download module.

URL: **http://www.bacapps.co.uk/baccloud/integrationservice.asmx/listunexportedorders**

Request content objects:

Object	Description
Baccloud	This is the wrapper for the request content.
Licence	Contains the user name (licence number) from your cloud account
activation	Contains the pass code (activation code) from your cloud account.
ordertype	This optional field allows you to retrieve a list of orders of one or more specific order types. If omitted, orders of all types are retrieved. Valid types are **O** for Order, **Q** for Quote, **I** for Invoice and **C** for Credit Note. If requesting more than one type of order, use a pipe character (|) to separate each type.

Example request which lists all orders:

```
<baccloud>
    <licence>your user name goes here</licence>
    <activation>your pass code goes here</activation>
    <ordertype>O|Q</ordertype>
</baccloud>
```

Example request which lists only credit notes:

```
<baccloud>
    <licence>your user name goes here</licence>
    <activation>your pass code goes here</activation>
    <ordertype>C</ordertype>
</baccloud>
```

Example request which lists only orders and quotes:

```
<baccloud>
    <licence>your user name goes here</licence>
    <activation>your pass code goes here</activation>
    <ordertype>O|Q</ordertype>
</baccloud>
```

Response content objects:

Object	Description
Result	This is the wrapper for the response content.
Code	Contains 0 (zero) if a list of orders was retrieved. A non-zero value indicates that an error occurred.
Message	Contains a description of the result code. This object is only present if an error occurred.
SalesOrders	This is a wrapper for the list of order ID's.
ID	Contains a unique reference number for the order in your cloud account. One entry of this object appears for each unexported order in your account. If there are no entries then it means that there are currently no orders that can be exported.

Example responses:

Three orders (ID's 1, 2 and 3) can be downloaded.

```
<result>
    <code>0</code>
    <SalesOrders>
        <ID>1</ID>
        <ID>2</ID>
        <ID>3</ID>
    </SalesOrders>
</result>
```

The call was successful but there were no orders available for download

```
<result>
    <code>0</code>
    <SalesOrders>
    </SalesOrders>
</result>
```

Unable to retrieve a list of orders

```
<result>
        <code>1</code>
        <message>Unable to list unexported orders</message>
</result>
```

MarkOrderAsExported method

This method allows you to mark an order in your cloud account as "exported" so that you do not attempt to re-export a particular order more than once (causing duplicate orders to exist in your back-office system). You should call this for an order after you have called the GetUnexportedOrder method for an order and successfully fed the order into your back-office system.

The method is only accessible by users that have purchased the Order Download module.

URL: **http://www.bacapps.co.uk/baccloud/integrationservice.asmx/markorderasexported**

Request content objects:

Object	Description
Baccloud	This is the wrapper for the request content.
Licence	Contains the user name (licence number) from your cloud account
activation	Contains the pass code (activation code) from your cloud account.
Id	Contains the unique reference number for the order (as returned by a call to ListUnexportedOrders) that you wish to mark as downloaded/exported.

Example request:

```
<baccloud>
        <licence>your user name goes here</licence>
        <activation>your pass code goes here</activation>
        <id>1</id>
</baccloud>
```

Response content objects:

Object	Description
Result	This is the wrapper for the response content.
Code	Contains 0 (zero) if a list of orders was retrieved. A non-zero value indicates that an error occurred.
Message	Contains a description of the result code.

Example responses:

Success

```
<result>
        <code>0</code>
        <message>Order ID 1 marked as exported</message>
</result>
```

Failure

```
<result>
        <code>1</code>
        <message>Unable to mark order ID 1 as exported</message>
</result>
```

GetUnexportedOrder method

This method allows you to retrieve the details of an unexported order, ready for importing into your back-office system.

The method is only accessible by users that have purchased the Order Download module.

The details can currently be returned in one of three ways:

1. Base64 string representation of a fixed format CSV file
2. Base64 string representation of a fixed format XML file
3. XML data embedded into the response content

As the Blue Alligator cloud and Sales Presenter systems evolve we will periodically add new fields to the order details being retrieved by this method.

For details being retrieved in the CSV format any new fields will be added to the end of a record. Your order import process should be developed in such a way that it simply ignores any additional fields that may appear at the end of a record.

For details being retrieved in the XML format any new fields will be added in a logical position (i.e. next to related fields). You order import process should be developed in such a way that it locates and unpacks fields via their field names and not their position within the data.

Bespoke formats to suit your requirements can be added upon request. Please contact our sales team for more details.

URL: **http://www.bacapps.co.uk/baccloud/integrationservice.asmx/getunexportedorder**

Request content objects:

Object	Description
Baccloud	This is the wrapper for the request content.
Licence	Contains the user name (licence number) from your cloud account
activation	Contains the pass code (activation code) from your cloud account.
Id	Contains the unique reference number for the order (as returned by a call to ListUnexportedOrders) that you wish to retrieve the details for.
Format	Contains the format in which you wish the order data to be retrieved. Current values are: 0=embedded XML in the response content, 1=XML file, 2=CSV file.

Example request:

```
<baccloud>
        <licence>your user name goes here</licence>
        <activation>your pass code goes here</activation>
        <id>1</id>
        <format>0</format>
</baccloud>
```

Response content objects:

Object	Description
result	This is the wrapper for the response content.
code	Contains 0 (zero) if the order details were retrieved. A non-zero value indicates that an error occurred.
message	Contains a description of the result code. This object is only present if an error occurred.
filedata	Contains the order file content, in the format of a base64 string. This object is only present if using formats 1 (XML file) or 2 (CSV file).
SalesOrder	This is the wrapper for the order objects. This object is only present if using format 0 (embedded XML). The SalesOrder object will contain further objects to hold the various order header and line fields (see tables further down this document).

Example responses:

Successful retrieval of order details in CSV file format.

```
<result>
	<code>0</code>
	<filedata>..file content as a base64 string...</filedata>
</result>
```

Failure to retrieve an order.

```
<result>
	<code>1</code>
	<message>Unable to retrieve details for order ID 1</message>
</result>
```

Successful retrieval of a two line order as embedded XML.

```
<result>
	<code>0</code>
		<SalesOrder>
			<ID>...</ID>
			<OrderNumber>...</OrderNumber>
			<RepCode>...</RepCode>
			<LocationCode>...</LocationCode>
			<IsNewCustomer>...</IsNewCustomer>
			<AccountCode>...</AccountCode>
			<AddressNo>...</AddressNo>
			<CompanyName>...</CompanyName>
			<CustomerRef>...</CustomerRef>
			<OrderDiscount>...</OrderDiscount>
			<CurrencyCode>...</CurrencyCode>
			<VATIndicator>...</VATIndicator>
			<OrderType>...</OrderType>
			<OrderDate>...</OrderDate>
			<OrderValue>...</OrderValue>
			<GrossOrderValue>...</GrossOrderValue>
			<NettOrderValue>...</NettOrderValue>
			<DueDate>...</DueDate>
			<CancelDate>...</CancelDate>
			<LineCount>...</LineCount>
			<SpecialInstructions>...</SpecialInstructions>
			<Address1>...</Address1>
			<Address2>...</Address2>
```

```
<Town>...</Town>
<County>...</County>
<PostCode>...</PostCode>
<Contact>...</Contact>
<Phone>...</Phone>
<FaxNo>...</FaxNo>
<MPhone />
<Email>...</Email>
<SSDID>...</SSDID>
<CustomerUserField01>...</CustomerUserField01>
<CustomerUserField02>...</CustomerUserField02>
<CustomerUserField03>...</CustomerUserField03>
<CustomerUserField04>...</CustomerUserField04>
<CustomerUserField05>...</CustomerUserField05>
<OrderUserField01>...</OrderUserField01>
<OrderUserField02>...</OrderUserField02>
<OrderUserField03>...</OrderUserField03>
<OrderUserField04>...</OrderUserField04>
<OrderUserField05>...</OrderUserField05>
<ShippingNettValue>...</ShippingNettValue>
<ShippingSalesTaxValue>...</ShippingSalesTaxValue>
<SalesTaxOrderValue>...</SalesTaxOrderValue>
<ShippingCarrierRequested >...<ShippingCarrierRequested />
<IsNewAddress>...</IsNewAddress>
<SalesTaxGroup>...</SalesTaxGroup>

<SalesOrderLines>
        <SalesOrderLine>
                <ProductCode>...</ProductCode>
                <Description>...</Description>
                <SellPrice>...</SellPrice>
                <GrossSellPrice>...</GrossSellPrice>
                <NettSellPrice>...</NettSellPrice>
                <Qty>...</Qty>
                <DueDate>...</DueDate>
                <CancelDate>...</CancelDate>
                <SpecialInstructions>...</SpecialInstructions>
                <LineValue>...</LineValue>
                <GrossLineValue>...</GrossLineValue>
                <NettLineValue>...</NettLineValue>
                <PieceQty>...</PieceQty>
                <UOM>...</UOM>
                <Discount>...</Discount>
                <PriceSource>...</PriceSource>
                <QtyEntryUnit>...</QtyEntryUnit>
                <LineUserField01>...</LineUserField01>
                <LineUserField02>...</LineUserField02>
                <LineUserField03>...</LineUserField03>
                <LineUserField04>...</LineUserField04>
                <LineUserField05>...</LineUserField05>
                <StdPrice>...</StdPrice>
                <SalesTaxCode>...</SalesTaxCode>
                <SalesTaxLineValue>...</SalesTaxLineValue>
                <SalesTaxRate>...</SalesTaxRate>
        </SalesOrderLine>
        <SalesOrderLine>
                <ProductCode>...</ProductCode>
                <Description>...</Description>
```

```
                                        <SellPrice>...</SellPrice>
                                        <GrossSellPrice>...</GrossSellPrice>
                                        <NettSellPrice>...</NettSellPrice>
                                        <Qty>...</Qty>
                                        <DueDate>...</DueDate>
                                        <CancelDate>...</CancelDate>
                                        <SpecialInstructions>...</SpecialInstructions>
                                        <LineValue>...</LineValue>
                                        <GrossLineValue>...</GrossLineValue>
                                        <NettLineValue>...</NettLineValue>
                                        <PieceQty>...</PieceQty>
                                        <UOM>...</UOM>
                                        <Discount>...</Discount>
                                        <PriceSource>...</PriceSource>
                                        <QtyEntryUnit>...</QtyEntryUnit>
                                        <LineUserField01>...</LineUserField01>
                                        <LineUserField02>...</LineUserField02>
                                        <LineUserField03>...</LineUserField03>
                                        <LineUserField04>...</LineUserField04>
                                        <LineUserField05>...</LineUserField05>
                                        <StdPrice>...</StdPrice>
                                        <SalesTaxCode>...</SalesTaxCode>
                                        <SalesTaxLineValue>...</SalesTaxLineValue>
                                        <SalesTaxRate>...</SalesTaxRate>
                                    </SalesOrderLine>
                                </SalesOrderLines>
                            </SalesOrder>
                        </result>
```

A CSV file representation of an order will contain one record for the order header (record type **H**), followed by one order line record (record type **D**) for each product line on the order.

The columns in the order header record are as follows:

Field	Data Type	Description
RecordType	Text	Always contains “H” to denote an order header record
ID	Number	Unique Cloud Reference Number for this order
OrderNumber	Number	The order number generated on the iPad
RepCode	Text	Code for the sales rep that took the order
LocationCode	Text	Code for the location that the order was taken in
IsNewCustomer	Number	Specifies whether or not this is a new customer. 0=existing customer, 1=new customer
AccountCode	Text	The customer account code. This may be a system-generated code for new customers
AddressNo ***1**	Number	The delivery address number used for this order
CompanyName	Text	The customer account name/company name
CustomerRef	Text	Optional reference given by the customer for this order
OrderDiscount	Decimal	The discount (as a percentage) that was applied to the order
CurrencyCode	Text	For future use
VATIndicator	Text	For future use
OrderType	Text	“O” = Order, “Q” = Quote, “I” = Invoice
OrderDate	Text	The date the order was placed, in the format specified in the configuration section of your cloud account
GrossOrderValue	Decimal	The gross value of the order
DueDate	Text	Due date for the order, in the format specified in the configuration section of your cloud account
CancelDate	Text	Cancel by date for the order, in the format specified in the

Field	Data Type	Description
		configuration section of your cloud account
LineCount	Number	The number of lines on the order
SpecialInstructions	Text	Optional additional information given by the customer for the order
Address1 ***1**	Text	First line of the delivery address
Address2 ***1**	Text	Second line of the delivery address
Town ***1**	Text	Third line of the delivery address
County ***1**	Text	Fourth line of the delivery address
PostCode ***1**	Text	Postal Code for the delivery address
Contact ***1**	Text	The name of the contact at the customer
Phone ***1**	Text	Telephone number for the contact
FaxNo ***1**	Text	Fax number for the contact
Mobile ***1**	Text	Mobile number of the contact at the customer
Email ***1**	Text	Email address for the contact
NettOrderValue	Decimal	The nett value of the order
SSDID	Number	A five digit number which identifies the instance of the database on the iPad which took the order. Each iPad is guaranteed to have a unique instance number. Therefore, the combination of the SSDID and OrderNumber fields can be regarded as a unique value by the back-office system.
CustomerUserField01	Text	The contents of the UserField01 field held against the customer in Sales Presenter.
CustomerUserField02	Text	The contents of the UserField02 field held against the customer in Sales Presenter.
CustomerUserField03	Text	The contents of the UserField03 field held against the customer in Sales Presenter.
CustomerUserField04	Text	The contents of the UserField04 field held against the customer in Sales Presenter.
CustomerUserField05	Text	The contents of the UserField05 field held against the customer in Sales Presenter.
OrderUserField01	Text	The code (when using lookups) or text relating to the first analysis field on the order.
OrderUserField02	Text	The code (when using lookups) or text relating to the second analysis field on the order.
OrderUserField03	Text	The code (when using lookups) or text relating to the third analysis field on the order.
OrderUserField04	Text	The code (when using lookups) or text relating to the fourth analysis field on the order.
OrderUserField05	Text	The code (when using lookups) or text relating to the fifth analysis field on the order.
ShippingValue	Decimal	The shipping value of the order (For future use)
ShippingVATValue	Decimal	The shipping Sales Tax Value (For future use)
SalesTaxOrderValue	Decimal	The value of the Sales Tax for the order
ShippingCarrierRequested	Text	Shipping Carrier (For future use)
IsNewAddress	Boolean	0 – Not a new address, 1 – Is a new address
SalesTaxGroup	Text	Sales Tax Group used for this order

***1** for multi-delivery address orders, these fields will contain a pipe-delimited list of values for each address (see later).

The columns in the order line record are as follows:

Field	Data Type	Description
RecordType	Text	Always contains "D" to denote an order line record
ID	Number	Unique Cloud Reference Number for this order line
ProductCode	Text	Product being ordered
Description	Text	Product description
GrossSellPrice	Decimal	The gross selling price for a single item (piece)
Qty ***1**	Number	Total quantity for the order line, in the unit specified by the **QtyEntryUnit** field
DueDate	Text	Due date for the order line, in the format specified in the configuration section of your cloud account
CancelDate	Text	Cancel by date for the order line, in the format specified in the configuration section of your cloud account
SpecialInstructions	Text	For future use
GrossLineValue	Decimal	The total gross value of the order line
PieceQty ***1**	Number	Total quantity (in pieces) for this order line
UOM	Text	A copy of the UOM field from the product data for this product
Discount	Decimal	Amount of discount (as a percentage) given for this order line
PriceSource	Number	Used for optional analysis purposes, this field contains the method of pricing used for this order line (see later for possible values)
QtyEntryUnit	Number	The unit that was used to order by. 1=Pieces, 2=Cartons, 3=Inners, 4=Packs
NettSellPrice	Decimal	The nett selling price for a single item (piece)
NettLineValue	Decimal	The total nett value of the order line
LineUserField01	Text	The code (when using lookups) or text relating to the first analysis field on the order line.
LineUserField02	Text	The code (when using lookups) or text relating to the second analysis field on the order line.
LineUserField03	Text	The code (when using lookups) or text relating to the third analysis field on the order line.
LineUserField04	Text	The code (when using lookups) or text relating to the fourth analysis field on the order line.
LineUserField05	Text	The code (when using lookups) or text relating to the fifth analysis field on the order line.
StdPrice	Decimal	Any standard price that was recorded when the line was raised.
SalesTaxCode	Text	Sales Tax Code used for this line
SalesTaxLineValue	Decimal	Line Sales Tax Value
SalesTaxRate	Decimal	Sales Tax rate used for this line

***1** for multi-delivery address orders, these fields will contain a pipe-delimited list of values for each address (see later).

If retrieving the order details in an XML format, the SalesOrder XML object contains the following objects:

Object	Data Type	Description
ID	Number	Unique Cloud Reference Number for this order
OrderNumber	Number	The order number generated on the iPad
RepCode	Text	Code for the sales rep that took the order
LocationCode	Text	Code for the location that the order was taken in
IsNewCustomer	Number	Specifies whether or not this is a new customer. 0=existing customer, 1=new customer
AccountCode	Text	The customer account code. This may be a system-generated code for new customers
AddressNo ***1**	Number	The delivery address number used for this order

Object	Data Type	Description
CompanyName	Text	The customer account name/company name
CustomerRef	Text	Optional reference given by the customer for this order
OrderDiscount	Decimal	The discount (as a percentage) that was applied to the order
CurrencyCode	Text	For future use
VATIndicator	Text	For future use
OrderType	Text	"O" = Order, "Q" = Quote, "I" = Invoice
OrderDate	Text	The date the order was placed, in the format specified in the configuration section of your cloud account
OrderValue	Decimal	The gross value of the order. **Please note:** this field exists for backward compatibility with earlier versions of the interface. When developing a new interface you should retrieve the contents of the **GrossOrderValue** field instead.
GrossOrderValue	Decimal	The gross value of the order
NettOrderValue	Decimal	The nett value of the order
DueDate	Text	Due date for the order, in the format specified in the configuration section of your cloud account
CancelDate	Text	Cancel by date for the order, in the format specified in the configuration section of your cloud account
LineCount	Number	The number of lines on the order
SpecialInstructions	Text	Optional additional information given by the customer for the order
Address1 ***1**	Text	First line of the delivery address
Address2 ***1**	Text	Second line of the delivery address
Town ***1**	Text	Third line of the delivery address
County ***1**	Text	Fourth line of the delivery address
PostCode ***1**	Text	Postal Code for the delivery address
Contact ***1**	Text	The name of the contact at the customer
Phone ***1**	Text	Telephone number for the contact
FaxNo ***1**	Text	Fax number for the contact
Mobile ***1**	Text	Mobile number for the contact
Email ***1**	Text	Email address for the contact
SSDID	Number	A five digit number which identifies the instance of the database on the iPad which took the order. Each iPad is guaranteed to have a unique instance number. Therefore, the combination of the SSDID and OrderNumber fields can be regarded as a unique value by the back-office system.
CustomerUserField01	Text	The contents of the UserField01 field held against the customer in Sales Presenter.
CustomerUserField02	Text	The contents of the UserField02 field held against the customer in Sales Presenter.
CustomerUserField03	Text	The contents of the UserField03 field held against the customer in Sales Presenter.
CustomerUserField04	Text	The contents of the UserField04 field held against the customer in Sales Presenter.
CustomerUserField05	Text	The contents of the UserField05 field held against the customer in Sales Presenter.
OrderUserField01	Text	The code (when using lookups) or text relating to the first analysis field on the order.
OrderUserField02	Text	The code (when using lookups) or text relating to the second analysis field on the order.
OrderUserField03	Text	The code (when using lookups) or text relating to the third analysis field on the order.
OrderUserField04	Text	The code (when using lookups) or text relating to the fourth analysis field on the order.
OrderUserField05	Text	The code (when using lookups) or text relating to the fifth

Object	Data Type	Description
		analysis field on the order.
ShippingValue	Decimal	The shipping value of the order (For future use)
ShippingVATValue	Decimal	The shipping Sales Tax Value (For future use)
SalesTaxOrderValue	Decimal	The value of the Sales Tax for the order
ShippingCarrierRequested	Text	Shipping Carrier (For future use)
IsNewAddress	Boolean	0 – Not a new address, 1 – Is a new address
SalesTaxGroup	Text	Sales Tax Group used for this order
SalesOrderLines	Wrapper	A wrapper for a number of SalesOrderLine XML objects

***1** for multi-delivery address orders, these fields will contain a pipe-delimited list of values for each address (see later).

A SalesOrderLine XML object will exist for each line on the order. It contains the following objects:

Object	Data Type	Description
ID	Number	Unique Cloud Reference Number for this order line
ProductCode	Text	Product being ordered
Description	Text	Product description
SellPrice	Decimal	The gross selling price for a single item (piece). **Please note:** this field exists for backward compatibility with earlier versions of the interface. When developing a new interface you should retrieve the contents of the **GrossSellPrice** field instead.
GrossSellPrice	Decimal	The gross selling price for a single item (piece)
NettSellPrice	Decimal	The nett selling price for a single item (piece)
Qty ***1**	Number	Total quantity for the order line, in the unit specified by the **QtyEntryUnit** field
DueDate	Text	Due date for the order line, in the format specified in the configuration section of your cloud account
CancelDate	Text	Cancel by date for the order line, in the format specified in the configuration section of your cloud account
SpecialInstructions	Text	Optional additional information given by the customer for the order line
LineValue	Decimal	The total gross value of the order line. **Please note:** this field exists for backward compatibility with earlier versions of the interface. When developing a new interface you should retrieve the contents of the **GrossLineValue** field instead.
GrossLineValue	Decimal	The total gross value of the order line
NettLineValue	Decimal	The total nett value of the order line
PieceQty ***1**	Number	Total quantity (in pieces) for this order line
UOM	Text	A copy of the UOM field from the product data for this product
Discount	Decimal	Amount of discount (as a percentage) given for this order line
PriceSource	Number	Used for optional analysis purposes, this field contains the method of pricing used for this order line (see later for possible values)
QtyEntryUnit	Number	The unit that was used to order by. 1=Pieces, 2=Cartons, 3=Inners, 4=Packs
LineUserField01	Text	The code (when using lookups) or text relating to the first analysis field on the order line.
LineUserField02	Text	The code (when using lookups) or text relating to the second analysis field on the order line.
LineUserField03	Text	The code (when using lookups) or text relating to the third analysis field on the order line.
LineUserField04	Text	The code (when using lookups) or text relating to the fourth analysis field on the order line.
LineUserField05	Text	The code (when using lookups) or text relating to the fifth

Object	Data Type	Description
		analysis field on the order line.
StdPrice	Decimal	Any standard price that was recorded when the line was raised.
SalesTaxCode	Text	Sales Tax Code used for this line
SalesTaxLineValue	Decimal	Line Sales Tax Value
SalesTaxRate	Decimal	Sales Tax rate used for this line

***1** for multi-delivery address orders, these fields will contain a pipe-delimited list of values for each address (see later).

Multi-Delivery Address Orders

For multi-delivery address orders, certain fields (indicated with ***1** in the tables above) will contain a pipe-delimited list of values.

For example, an order for delivery address numbers **0**, **1** and **2** the **AddressNo** field will contain "**0|1|2**".

The remaining fields indicated with ***1** (such as delivery addresses, contact details and quantities) will contain values in the same sequence as the **AddressNo** field.

For example, if the **AddressNo** field contains "**0|1|2**" and the **Qty** field on an order line contains "**10|20|30**" then this indicates a quantity of **10** for address number **0**, a quantity of **20** for address number **1** and a quantity of **30** for address number **2**.

Price Source Values

A price source is recorded against each line on an order. It indicates the method of pricing that was used for the line. Some back-office systems, such as the Blue Alligator **X~Suite** ERP system, use this information for analysis purposes.

The value will be one of the following:

Value	Description
5	Standard selling price was used
10	Stream 1 price was used
11	Stream 2 price was used
12	Stream 3 price was used
13	Stream 4 price was used
14	Stream 5 price was used
15	Stream 6 price was used
16	Stream 7 price was used
17	Stream 8 price was used
18	Stream 9 price was used
19	Stream 10 price was used
30	Last price was used
50	Price was manually entered by the sales rep
60	Clearance price was used
70	Promotional price was used
80	Cost price was used
90	Minimum price was used

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