

VetSCOPE Internet Data Interface for Suppliers

VetSCOPE now support a HTTP based method to allow our Clients using VetSCOPE to access to various electronic services on a Supplier's server. The following services are supported:

1. Order Placement
2. Batch Collection
3. Price Lists
4. Invoices History

Integrating with our System

It is a simple system to integrate with:

- The Client using VetSCOPE software will POST a COMMAND to the Supplier Server in the form of a simple text to a URL.
- URL will be provided to VetSCOPE by Supplier wishing to set up integration with Clients using VetSCOPE Software
- VetSCOPE would need access to a test database on the Supplier Server to test before the system goes live.
- The VetSCOPE software expects a reply text page to be given back as a response.
- Your server would need to be able to accept and process these POST requests.

Note: The post requests are done using our application. It is not done using a web page FORM and the layout of the data is not the same as that generated by a FORM.

Text File Format

The format of the text file needed to be sent is the same for both ordering and delivering data.

- Made up of a header section and a details section
- Header section is a list of key/value pairs separated by TAB characters
- Header section terminated by blank line
- Details section is specific to the command being performed

Example header section:

```
COMMAND<tab>ORDER  
AUTH<tab>YES  
USER<tab>A001  
DEL<tab>0  
PASSWORD<tab>password  
REFERENCE<tab>12334  
CUSTORDERREF<tab>00112233  
TYPE<tab>0  
<blank_line>
```

1) Ordering

Header Fields

COMMAND	Set to ORDER
AUTH	Set to YES
USER	Supplier Account Number
DEL	Supplier Delivery Address ID
PASSWORD	Password for Access
REFERENCE	Order number generated by VetSCOPE Client
CUSTORDERREF	Optional Reference (appears on the invoice)
TYPE	Vendor Order Type

Details Section

- The details section for an order consists of two lines in the file per item ordered.
 - First line identifies product and quantity requested
 - Second line is for optional comments
 - Where no comment is required a blank line should be left
- The details section is terminated with a single line with the text END on it.

CODE	Supplier Product Code
QUANTITY	The quantity to be ordered
DESCRIPTION	Customers description of the product
PRICE	Customers current Price
PROMO CODE	Always 0
DROP	Always FALSE

Example Order (header and details)

```

COMMAND<tab>ORDER
AUTH<tab>YES
USER<tab>JC1
DEL<tab>0
PASSWORD<tab>pass
REFERENCE<tab>00112233
CUSTORDERREF<tab>001/000134
  
```

```

TYPE<tab>0
<blank_line>
Y9944003<tab>2<tab>BETAMOX 100ML<tab>67.90<tab>0<tab>FALSE
<blank_line>
S8899302<tab>4<tab>MARBOCYL 50ml<tab>99.30<tab>0<tab>FALSE
<blank_line>
X3344524<tab>1<tab>CLIK POUR-ON 2.2L<tab>88.90<tab>0<tab>FALSE
This product is for James Smith
END

```

The VetSCOPE software will expect a text file back from the server. It will be a similar format to the one that is sent.

```

OK
INTERNAL<tab>00112233
ORDER<tab>ABC1234<tab>2<tab>2<tab>67.90<tab>Y<tab>NULL
ORDER<tab>DEF5678<tab>4<tab>0<tab>99.30<tab>Y<tab>NULL
ORDER<tab>GHI9650<tab>1<tab>1<tab>88.90<tab>Y<tab>NULL

```

Duplicate - is Y if the order is the same as the last one received. This allows the practice to resend an order without fear of doubling up

The Y at the end of each line means that the order has been entered, if it was N it would be queued for input

2) Batch collection

The required fields for the Batch Collect Command header section are as follows:

COMMAND	Set to BATCH_GET
AUTH	Set to YES
USER	Supplier Account Number
DEL	Supplier Delivery Address ID
PASSWORD	Password for Access
FROM	Blank
TYPE	Blank

The FROM field will be blank to indicate that the Client wishes to collect all new deliveries since the last time they collected.

After this command is issued VetSCOPE will expect a delivery list back. This is again a tab separated list in the following format:

PRODNO	Supplier Product Number
PRODCODE	Product Code
BARCODE	Barcode identifying this batch of product
DESCRIPTION	Supplier Description of Product
BATCH	Batch number, or \N if not applicable
EXPIRY	Expiry date or \N if not applicable
SINGLES	Number of units this barcode represents
LINENO	Line number
INVOICE	Invoice number this item was on
QUANTITY	Quantity of this item
PRICE	Price on the invoice of this item
DESC 2	Supplier Description of Product
PACK	Pack Description
UNIT_DESC	Unit Description
UNITS	Units per pack

Example Command to Batch Collect:

```

COMMAND<tab>BATCH_GET
AUTH<tab>YES
USER<tab>PJ01
DEL<tab>0
PASSWORD<tab>pass
FROM<tab>
TYPE<tab>1234
<blank_line>
  
```

Example Response from Batch Collect:

```

OK
ROWS<tab>2
11024<tab>TETRADELTA MC<tab>barcode<tab>TETRA DELTA MC 24'S (POM)<tab>
513225A<tab>2016-09-30 00:00:00.0<tab>1<tab>1<tab>3/
1101264<tab>1.0<tab>56.18<tab>desc2<tab>pack<tab>units<tab>last_inv_no
  
```

```
10146<tab>RESFLOR250ML<tab>barcode<tab>RESFLOR 250ML<tab>5120103<tab>
2017-06-30 00:00:00.0<tab>1<tab>2
<tab>31101264<tab>1.0<tab>96.91<tab>desc2<tab>pack<tab>units<tab>last_inv_no
```

NOTE: If there are 2 or more different batch numbers for the same order on the delivery docket they should appear on different lines, 1 line per batch and the quantities of each.

Once the VetSCOPE system receives the batch it will issue another command back to the server to acknowledge that the data has been received correctly. The file will be as follows:

```
COMMAND<tab>BATCH_OK
AUTH<tab>YES
USER<tab>PJ01
DEL<tab>0
PASSWORD<tab>pass
FROM<tab>
TYPE<tab>1234
<blank_line>
```

The supplier server should reply to this command with OK

Once the BATCH_OK command is issued the deliveries will be accepted from the last one that's downloaded.

3. Price Lists

A current price list can be imported into VetSCOPE via this interface using the following command.

The required fields for an COMMAND to order a Price List header section is as follows:

COMMAND	Set to PRICE_LIST
AUTH	Set to YES
USER	Supplier Account Number
DEL	Supplier Delivery Address ID
PASSWORD	Password for Access
FROM	Date
TYPE	Blank

The FROM field should be set to a date DD/MM/YYYY. This should result in the Supplier returning all the products which have been modified since this date.

If the date supplied is 01/01/1980 a full product catalog would be returned.

The delivery list is again a <tab> separated list in the following format

Name	Description
ID	Product ID Numeric
PRODCODE	Product Code
LIST PRICE	List price for this item
DESCRIPTION	Supplier Description of Product
PACK SIZE	Outer Pack size description of the product
UNIT SIZE	Inner unit size description of the product
UNITS	Number of UNIT(s) in a PACK
VAT CODE	Supplier VAT Code
VAT RATE	Percentage of VAT Applied to this item
DRUG CLASS ID	Supplier Drug Classification ID
DRUG CLASS	Supplier Drug Classification Description
IMS CODE	ID for IMS category
IMS DESC	Description of IMS Category
MAN EAN 13	The manufacturers EAN13 barcode for this item
LAST_UPDATE	Date item was last changed
CONTROLLED	Is this a controlled drug (true/false)
CREATED	Date this item was added to catalogue
DISCONTINUED	Date this item was discontinued

Example Command that the VetSCOPE software will issue to get price list is as follows:

```

COMMAND<tab>PRICE_LIST
AUTH<tab>YES
USER<tab>PY33
DEL<tab>0
PASSWORD<tab>pass
FROM<tab>24/01/2010
<blank_line>

```

Example Response from Server that VetSCOPE software would expect:

OK

ROWS<tab>3

```
1<tab>3MBLE01<tab>1.26<tab>BLENDERM TAPE 2.5CM (1525-1)<tab>Packet Unit(s)
1.0<tab>2<tab>20.0<tab>0<tab>23<tab>115<tab>Consumables<tab>0707387007331<tab>IMS_
DESC<tab>2014-05-23<tab>>false<tab>1999-07-14<tab>\N
11<tab>3MDIA1S<tab>2.63<tab>LITT STETH DIAPH SA<tab>N/A<tab>N/A<tab>1.0<tab>2<tab>
20.0<tab>0<tab>N/
A<tab>116<tab>Instruments<tab>2013-11-28<tab>>false<tab>1999-07-14<tab>\N
```

4. Invoice History

This command is used to retrieve a list of Invoices and Credit Note history.

The required fields for the header section are as follows:

COMMAND	Set to INV_DATA
AUTH	Set to YES
USER	Supplier Account Number
DEL	Supplier Delivery Address ID
PASSWORD	Password for Access
FROM	Last internal Reference number
TYPE	Vendor Order Type

The FROM field should be set to the last internal reference received from the previous invoice history download. This is not the invoice number but a serial number provided per transaction. This number does not roll over and is always unique.

If FROM is 0 a full Invoice History would be provided.

After this command is issued the server will send back the invoice history to the VetSCOPE software. This is again a <tab> separated list in the following format:

INTERNAL REF*	A unique serial reference per transaction
INTERNAL REF*	Duplicate of above field needed for processing
INVOICE DATE*	The date of the invoice or credit note

ORDER NUMBER	Order number generated by VetSCOPE when submitting order
CREDIT*	TRUE if Credit FALSE if Invoice
PRODUCT CODE	Supplier Product Code
PRICE	Price as on Invoice Line
DISCOUNT VALUE	Discount as shown on invoice line
LINE VALUE	Value of Invoice Line
QTY	Quantity of Product invoiced
TOTAL VALUE*	Total INC Vat of Line
TOTAL VAT*	Total VAT on invoice line

Items marked with a * are header information and will be repeated on each detail line.

Example COMMAND for Invoice List:

```

COMMAND<tab>INV_DATA
AUTH<tab>YES
USER<tab>PY89
DEL<tab>0
PASSWORD<tab>pass
FROM<tab>1234566
TYPE<tab>
<blank_line>
  
```

Example RESPONSE excepted by VetSCOPE Software:

```

OK
ROWS<tab>2
198<tab>198<tab>2015-09-23 00:00:00.0<tab>4339 <tab>FALSE<tab>RC108475
<tab>33.6<tab>0<tab>33.6<tab>1.0<tab>41.33<tab>7.73
198<tab>198<tab>2015-09-23
00:00:00.0<tab>4339L<tab>FALSE<tab>K9METABOLIC12KG<tab>47.01<tab>0<tab>470.1<tab>
10.0<tab>578.22<tab>108.12
  
```

NOTE: Separate lines should be used on the invoice if there are different batch numbers on the delivery docket. E.g. 2 of Batch A12345 and 3 of Batch A2367 would be on 2 different lines