



Vision Commerce & Sage Integration

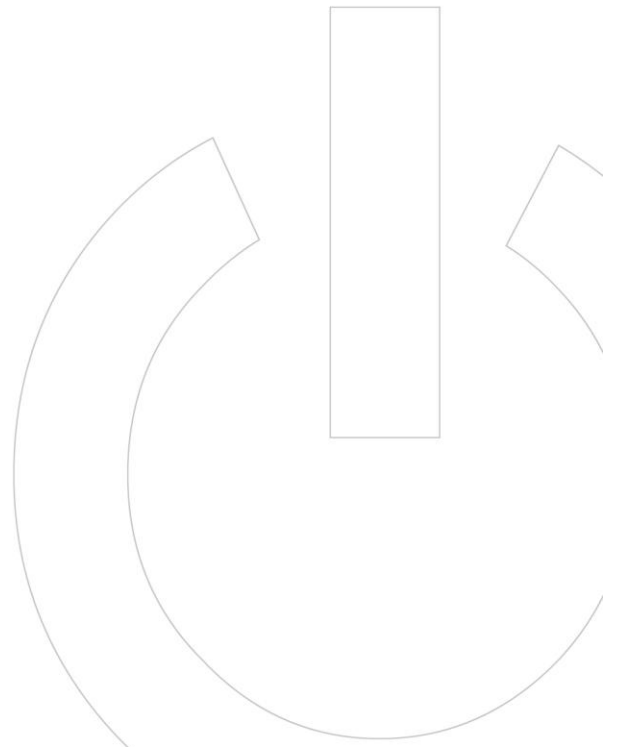


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The “Vision to Sage Manager” Service

Overview

The interface between Vision Commerce and Sage is a Windows service which typically runs on the Vision Commerce or Sage server.

Retrieving Information from Sage

The service must be running for Vision Commerce to retrieve data from Sage.

An example where customer information is retrieved from Sage is in the ‘Customer Maintenance’ window. The yellow fields under the ‘Credit Control’ tab, and also the records in the ‘Transactions’ tab are all retrieved from Sage.

To keep the link between Vision and Sage fast, Sage Line 50 should only hold up to 100,000 transactions in the audit trail. If a customer has above 200,000 transactions they should consider upgrading to Sage Line 200.

Posting Information to Sage

The Vision to Sage Manager Service must be running for Vision Commerce to post data to Sage.

*Everything posted to Sage is sent to the Windows Messaging Queue service as a ‘message’. Vision Commerce creates these ‘messages’, for the Vision to Sage Manager Service to handle in a queue process. The messages are explained in more detail below.



Customer & Supplier Data

Customer Maintenance

Create

Create messages are sent to Sage when a new customer is created in Vision Commerce in the 'Customer Maintenance' window. This posting updates Sage with the new customer information.

The first time a customer is set up in Vision Commerce, a posting will be made to Sage as a 'Customer CREATE' message. It is therefore important that all customers are first set up in Vision Commerce, for Sage to be automatically updated.

Edit

Edit messages are sent to Sage when an existing customer is edited in Vision Commerce in the 'Customer Maintenance' window. This posting updates Sage with the updated customer information.

Message

A/C, Name, AddL1...etc

Supplier Maintenance

Create

Create messages are sent to Sage when a new supplier is created in Vision Commerce in the 'Supplier Maintenance' window. This posting updates Sage with the new supplier information.

The first time a supplier is set up in Vision Commerce, a posting will be made to Sage as a 'Supplier CREATE' message. It is therefore important that all suppliers are first set up in Vision Commerce, for Sage to be automatically updated.

Edit

Edit messages are sent to Sage when an existing supplier is edited in Vision Commerce in the 'Supplier Maintenance' window. This posting updates Sage with the updated supplier information.

Message

A/C, Name, AddL1,...etc

Control Data

Currency Maintenance

Create

New Currencies must be set up separately in Vision Commerce (by System Administrator) and Sage (by Sage user). This is because specific codes must be used in the Vision Commerce database for Sage to recognise and correctly process the postings made from Vision.

Edit

Edit messages are sent to Sage when an existing currency is edited in Vision Commerce in the 'Currency Maintenance' window. This posting updates Sage with the updated currency information.

Message

EU Member, Exchange Rate, Name, Symbol.

Tax Code Maintenance

Create

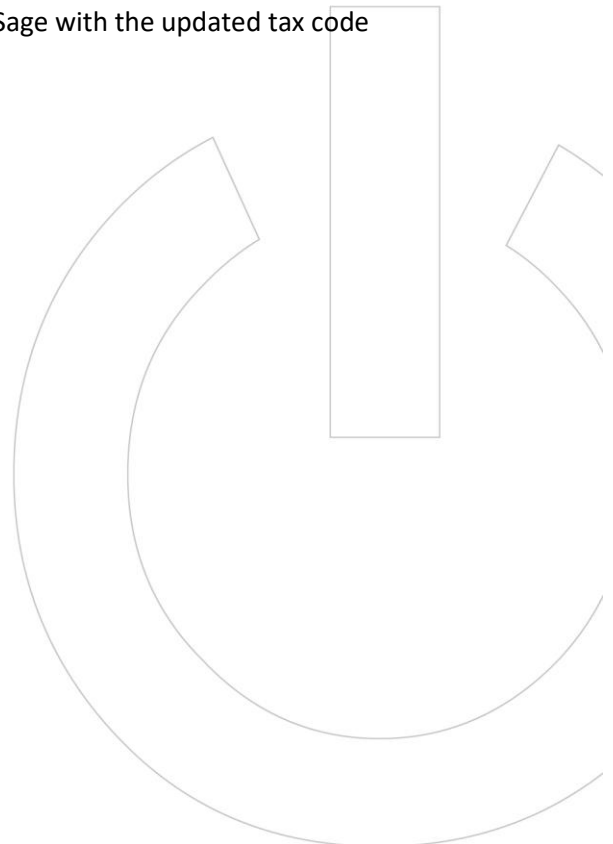
A predefined list of Tax codes are already set up in the system to use.

Edit

Edit messages are sent to Sage when an existing tax code is edited in Vision Commerce in the 'Tax Code Maintenance' window. This posting updates Sage with the updated tax code information.

Message

Rate, Description.



Invoicing

Sales

Stock Sales Order

SI Sales Invoices

SC Sales Credits

Sales Invoice & Sales Credit postings are generated from the 'Invoice Sales Order' window in Vision Commerce which is available under the 'Sales Orders' menu.

Invoices / Credit Notes are selected in this window, when either the 'Invoice Selected' or 'Invoice All' buttons are clicked; postings to Sage are generated.

The invoices / credit notes will be available to view in the Customer Activity & Financials almost immediately*.

Purchases

PI Purchase Invoices

PC Purchase Credits

Purchase Invoice & Purchase Credit Note postings are generated from the 'Purchase Order' window in Vision Commerce.

When any order lines are invoiced/credited under the 'Invoicing' or 'Credit Notes' tab and the save button is clicked, a 'P.O.P Vat Analysis' window is opened. The purchase invoice/credit note information is then entered by the user, and the 'Process' button is clicked. It is at this point that the posting to Sage is generated.

The invoices / credit notes will be available to view in the Supplier Activity & Financials almost immediately*.

Stock Price Adjustment

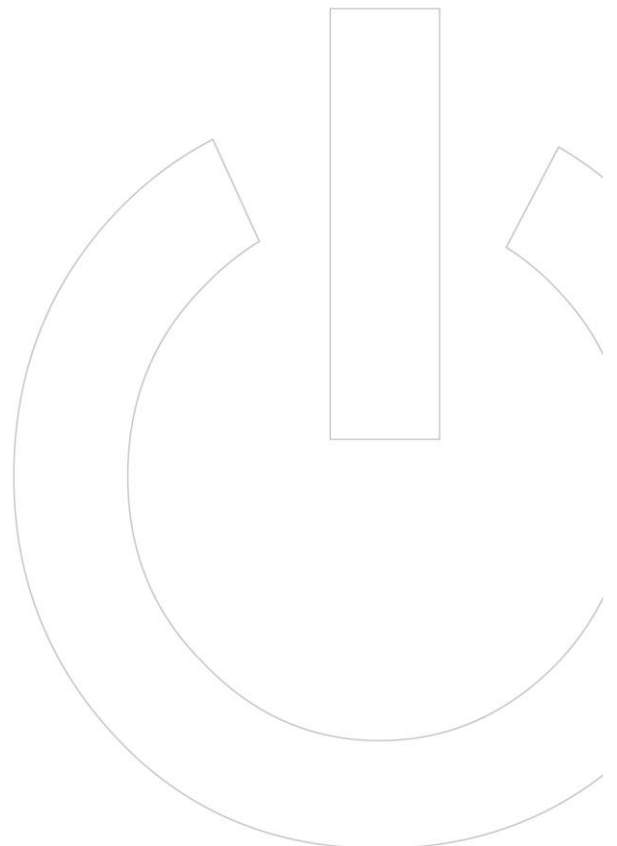
Overview

Stock cost can be adjusted in the 'Stock Price Adjustment' window under the 'Stock' menu in Vision Commerce. If the cost of a stock record is changed, a message is sent through to Sage as soon as the 'Save' button is clicked in this window.

Stock Price Adjustment

Please see the table below for the debit/credit details posted to Sage for this posting type.

Posting Type	JD (Journal Debit)	JC (Journal Credit)
1. PRODUCT COST (UPDATE)		
Stock Price Adjustment (New Value > Old Value)	Stock	GRN Price Variance
Stock Price Adjustment (New Value < Old Value)	GRN Price Variance	Stock



Price Variance Postings

Overview

Purchase Orders are input on to the system with different products, and product costs. Sometimes the cost specified on the order, is actually different to the value invoiced by the Supplier.

In this instance, in the 'Purchase Order' window under the 'Invoicing' tab, the 'Inv Value' entered by the user would be different to the original expected cost input under the 'Purchase Order Details' tab.

Please see section above which explains when a Purchase Order Invoice is posted to Sage which is also when a PO Price Variance posting is sent to Sage.

Purchase Order Price Variance

Please see the table below for the debit/credit details posted to Sage for this posting type.

Posting Type	JD (Journal Debit)	JC (Journal Credit)
1. PRODUCT COST (VARIANCE)		
Purchase Invoice (Invoice Value > Order Value)	GRN Price Variance	Goods Received (GRN) Accrual
Purchase Invoice (Invoice Value < Order Value)	Goods Received (GRN) Accrual	GRN Price Variance

EP Sales Order Cost of Sales Accruals & Variance Postings

When an EP Sales Order is created, and an EP Invoice is raised, the same procedure applies as for a normal Stock Sales Order Invoice. However the next time a Stock Movement Posting is made, an accrual is also made as follows:

Posting Type	JD (Journal Debit)	JC (Journal Credit)
1. PRODUCT COST		
EP Sales Order Invoice	Cost of Sales	EP Cost of Sales Accruals

When the EP Purchase Order is receipted and the Purchase Invoice raised, stock is allowed to be allocated against the EP Sales Orders. When these EP Sales Orders are confirmed delivered, if the product cost is more/less than accrued then a price variance is posted to Sage to compensate for this.

Posting Type	JD (Journal Debit)	JC (Journal Credit)
1. PRODUCT COST (VARIANCE)		
EP Sales Order Despatch (Product Cost > Accrual)	Cost of Sales	EP Cost of Sales Accruals
EP Sales Order Despatch (Product Cost < Accrual)	EP Cost of Sales Accruals	Cost of Sales

Stock Movements

Overview

All stock movements in Vision Commerce are logged in the database. These movements are available to view in the 'Stock Movement Enquiry' window and give a detailed breakdown on the costs associated with each movement (Stored in GBP).

Stock Movement Types

The following movement types are logged in the database:

Movement Type	Movement IN	Movement OUT
Purchase Order	Stock Receipt	PO Stock Return
Sales Order	Sales Order Credit Note ExCellar SO Credit Note EP SO Credit Note	Stock Despatch ExCellar SO Despatch EP SO Sale
Stock Adjustment	Stock Adjustment (Where > 0)	Stock Adjustment (Where < 0)
Stock Transfer	Stock Transfer (In)	Stock Transfer (Out)

Against each movement we store the costs associated with each (where appropriate):

1. Product Cost
2. 'On costs'
 - a. Insurance Cost
 - b. Freight Cost
 - c. Excise Duty Cost
 - d. Customs Duty (CCT) Cost
 - e. RHD Cost
 - f. Rent Cost
 - g. Delivery Cost
 - h. Labour Cost
 - i. Overhead Cost

In the database each movement has a 'Movement date', and also a field to determine if the movement posting (debits/credits) have/not been sent to Sage yet (IsMovementPosted? = True / False).

The 'Stock Movement Posting' feature in Vision Commerce is available to automatically post through updates to the Sage nominal ledger, for example to the 'Stock' and 'Cost of Sales' accounts.

Debit & Credit information for the postings above can be found in the table in the 'Stock Movement Posting' section of this document.

Control Account Maintenance

The nominal codes where the debits and credits are posted to for each stock movement are setup in Vision Commerce:

Maintenance > Control Account Maintenance

This window will check to ensure that all codes entered exist in Sage, if they do not exist it will return an error when clicking the 'Save' button.

Stock Movement Posting

When the 'Post' button is clicked in the Stock Movement Posting window, it can post thousands of messages to Sage. This depends on the number of non posted stock movements made up to the 'Post to' date specified by the user on the Stock Movement Posting window. This process can therefore be extremely hungry on your system resources on your client machine, and the server running the Vision to Sage Manager Service.

There are a number of important rules to remember, to ensure this process is successful:

1. Take note of ID of the last entry in Sage Financials
2. Only run the movement posting for up to a week's worth of movements at a time
3. Run the movement posting at the end of the day when no other users are using the system
4. Always save the report presented at the end of the movement posting for future reference

The last page of the movement posting report will tell you how many postings have been made to Sage. A final check is required to ensure that all postings have successfully made Sage:

ID of last entry in Sage Financials (prior to Stock Movement Posting)

+ Total number of postings made to Sage (from Stock Movement Posting report)

= ID of last entry in Sage Financials (after Stock Movement Posting complete)

Remember that it may take hours for all postings to be sent through to Sage by the Vision to Sage Manager depending on however many postings were sent.

Please refer to the table on the next page for debit/credit information for each movement posting.

Movement IN

Movement Type	JD (Journal Debit)	JC (Journal Credit)
Stock Purchase Order (Stock Receipt)		
Product Cost	Stock	GRN Accrual
<i>Customs Duty (CCT) Cost**</i>	<i>Stock</i>	<i>Customs Duty Recovery</i>
ExCellar Purchase Order (Stock Receipt)		
Product Cost	Stock	ExCellar GRN
<i>Customs Duty (CCT) Cost**</i>	<i>Stock</i>	<i>Customs Duty Recovery</i>
EP Purchase Order (Stock Receipt)		
Product Cost	Stock	En Primeur GRN
<i>Customs Duty (CCT) Cost**</i>	<i>Stock</i>	<i>Customs Duty Recovery</i>
Stock Sales Order (Sales Order Credit Note)***		
Product Cost (Return to Stock = True)	Stock	Cost of Sales
Product Cost (Return to Stock = False)	Credit Note Reason Nominal A/C	Cost of Sales
ExCellar Sales Order (ExC. Order Credit Note)***		
Product Cost (Return to Stock = True)	Stock	Cost of Sales
Product Cost (Return to Stock = False)	Credit Note Reason Nominal A/C	Cost of Sales
EP Sales Order (EP Credit Note)***		
Product Cost (Return to Stock = True)	Stock	EP Cost of Sales Accrual
Product Cost (Return to Stock = False)	Credit Note Reason Nominal A/C	EP Cost of Sales Accrual
Stock Adjustment (Stock Adjustment)		
Product Cost (Qty Moved > 0)	Stock	Cost of Sales

**Excise Duty is not posted for Stock Receipts. Customs Duty posted when, Supplier & Product Country is not in EC and 'Customs Duty Paid' is ticked on the Purchase Order.

***See 'On Costs' at the bottom of this document.



Movement OUT

Movement Type	JD (Journal Debit)	JC (Journal Credit)
Stock Purchase Order (PO Stock Return)		
Product Cost	GRN Accrual	Stock
ExCellar Purchase Order (PO Stock Return)		
Product Cost	ExCellar GRN Accrual	Stock
EP Purchase Order (PO Stock Return)		
Product Cost	EP GRN Accrual	Stock
Stock Sales Order (Stock Despatch)		
Product Cost	Cost of Sales	Stock
Insurance Cost	Cost of Sales	Insurance Recovery
Freight Cost	Cost of Sales	Freight Recovery
Excise Duty Cost	Cost of Sales	Excise Duty Recovery
Customs Duty Cost	Cost of Sales	Customs Duty Recovery
RHD Cost	Cost of Sales	RHD Recovery
Rent Cost	Cost of Sales	Rent Recovery
Delivery Cost	Cost of Sales	Warehouse Delivery Recovery
ExCellar Sales Order (Stock Despatch)		
Product Cost	Cost of Sales	Stock
Insurance Cost	Cost of Sales	Insurance Recovery
Freight Cost	Cost of Sales	Freight Recovery
Excise Duty Cost	Cost of Sales	Excise Duty Recovery
Customs Duty Cost	Cost of Sales	Customs Duty Recovery
RHD Cost	Cost of Sales	RHD Recovery
Rent Cost	Cost of Sales	Rent Recovery
Delivery Cost	Cost of Sales	Warehouse Delivery Recovery
EP Sales Order (EP Sales Order)		
Product Cost	EP Cost of Sales Accrual	Stock
Insurance Cost	Cost of Sales	Insurance Recovery
Freight Cost	Cost of Sales	Freight Recovery
Excise Duty Cost	Cost of Sales	Excise Duty Recovery
Customs Duty Cost	Cost of Sales	Customs Duty Recovery
RHD Cost	Cost of Sales	RHD Recovery
Rent Cost	Cost of Sales	Rent Recovery
Delivery Cost	Cost of Sales	Warehouse Delivery Recovery
Stock Transfer		
Insurance Cost	Stock	Insurance Recovery
Freight Cost	Stock	Freight Recovery
Excise Duty Cost	Stock	Excise Duty Recovery
Customs Duty Cost	Stock	Customs Duty Recovery
RHD Cost	Stock	RHD Recovery
Rent Cost	Stock	Rent Recovery
Delivery Cost	Warehouse Delivery	Warehouse Delivery Recovery
Stock Adjustment (Stock Adjustment)		
Product Cost (Qty Moved < 0)	Cost of Sales	Stock

On Costs

Duty Paid Stock

For any Duty Paid stock receipted into the system on a Purchase Order, Excise Duty is not posted to Sage.

However if stock is receipted into the system using the 'Stock Adjustment' window, and the 'Duty Paid' box is ticked, the same principle applies as the re-landed/credited stock below where the *on costs* are posted to Sage but added together for a single debit and a single credit to the nominal codes listed above.

Despatches from this new stock item have a 'Product Cost' which includes these *on costs*.

Credited Stock

When credited stock is landed back at the warehouse, the costs associated with the original despatch and return are stored individually. These can be seen in the 'Stock Movement Enquiry' window, you'll notice columns for 'Product Cost', and all other *on costs* such as 'RHD', 'Rent' etc. When this movement is posted to Sage (See 'Stock Movement Posting' above), all of these *on costs* are added together for a single debit, and a single credit to the nominal codes listed above.

Despatches from this new stock item have a 'Product Cost' which includes these *on costs*.

Note: 'On costs' (see 'Stock Movement Types' section in this document) are only posted when 'Include on cost in cost of sales postings' is ticked in the 'Product Group' for the Product associated with the stock movement.

