

Importing Data into Visual Dolphin

How to import inventory, sales & purchase transactions into Visual Dolphin

How to import transactions into VD Inventory

The data import was designed and developed to function as a “middle-man” between Visual Dolphin Inventory and third-party data. It gives a convenient way of importing data from third-party software to Visual Dolphin.

This import can be accessed through a toll function in the Inventory module. To facilitate the import of data, the import module accepts data that has been saved in an Excel, CSV, dbf format and SQL table, and then posts them to Visual Dolphin Inventory. However, the file to be imported needs to respect a pre-defined structure depending on the type of transactions being imported.

This paper describes the data structure and the main steps required for a successful data import.

For the table structure it is called `im_importsqldata`. It has the same structure as the file below but all its fields have a fix prefix of `imp_`. The same rules are applied to the sql table same as any other file imported.

Later on, we will be defining new columns for company sequence and treated flag for filtering company and keeping trace of the imported data.

This white paper will be updated once the above are ready to be used.

Note that the column order is not relevant. However, all field names must exist and they must be exactly the same with no difference in spelling. Many diagnostics procedures run on the imported data in order to make sure of its compliance like checking for the unique barcode by company or database, like empty mandatory fields, like some information missing in case of size and color items

Import data into Inventory

It is used to import in one step, the inventory master data into Visual Dolphin.

Field	Type	Width	Description	Required
Reference	Char	15	Supplier Reference	No
Item	Char	21	Item Code	Yes
Model nbr	Char	16	Model Number of the item	No
Season	Char	30	Season of the item	No
Division	Char	30	Division of the item	No
Scale	Char	3	Scale code	No
ScaleSize	Char	4	Scale size such as S, M, L, ...	No
Color code	Char	4	Color code such as Red, Blue, ...	No
Year	Num	4	Year of the item	No
Barcode	Num	20	Barcode of the item	No
Weight	Num	10.2	Weight of the item	No
Description	Char	100	Item Description	Yes
Short Desc	Char	32	Item short description	Yes
Alt Desc	Char	50	Item alternate description	No
Sh Alt Desc	Char	32	Item short alternate description	No
Supplier	Char	50	Supplier Name	Yes
Family	Char	30	Item Family name (1st level)	Yes
Sub Family	Char	30	Item Sub Family (2nd level)	No
Category	Char	30	Item Sub Sub Family (3rd level)	No
Type	Char	30	Item Type name	Yes
Sub Type	Char	30	Item Sub Type name	No
Sub Sub Type	Char	30	Item Sub Sub Type name	No
Custom	Char	30	Custom label	Yes
Custom%	Num	3.2	Custom Percentage	Yes
VAT	Char	30	VAT Label	Yes
VAT%	Num	3.2	VAT Percentage	Yes
Unit	Char	5	Smallest unit of the item	Yes
BaseUnit	Char	5	Base unit of the item	Yes
Factor	Num	8.3	Conversion factor between smallest and base unit	Yes
Brand	Char	30	Item Brand Name	Yes
Cur	Char	4	Cost Currency	Yes
Price	Num	8.3	Cost price defined in cost cur.	No

Field	Type	Width	Description	Required
Quantity	Num	8.3	Existent quantity in stock	No
Consign	Num	1	1 in case consigned item	Yes
			0 in case not consigned item	
Sell Cur	Char	4	Default selling currency	Yes
Sell Price	Num	8.3	Selling price in selling cur.	No
PriceFl	Num	8.3	Selling price in 1st cur.	No
PriceSl	Num	8.3	Selling price in 2nd local cur.	No
Kit	Num	1	1 in case the item is kit	Yes
			0 in case the item is not a kit	
Lot	Num	1	1 in case the item is with exp /lot No	Yes
			0 in case the item is not with exp /lot	
ReplCostFl	Num	8.3	Replacement Cost in 1st local	No
ReplCostSl	Num	8.3	Replacement Cost in 2nd local	No
ReplCostFor	Num	8.3	Replacement Cost in item cur.	No
ColorDesc	Char	30	Color descriptions	No
AltFamily	Char	30	Alternate family name	No
AltSubFamily1	Char	30	Alternate Sub family name	No
AltSubFamily2	Char	30	Alternate Sub Sub family name	No
AltType	Char	30	Alternate type name	No
AltSubType1	Char	30	Alternate Sub type name	No
AltSubType2	Char	30	Alternate Sub Sub type name	No
ConFactor	Num	8.3	Conversion factor for extra uom	Yes
Udf1	Char	30	User defined field 1	No
Udf2	Char	30	User defined field 2	No
Udf3	Char	30	User defined field 3	No
Udf4	Char	30	User defined field 4	No
Udf5	Char	30	User defined field 5	No
Udf6	Char	30	User defined field 6	No
Item2	Char	21	Service item code for labor	No
Cur2	Char	4	Labor cost currency	No
Labor	Num	8.3	Labor cost in labor cost cur.	No
Expdate	Date	10	Expiry date format dd/mm/yyyy	No
Lotspec	Char	20	Lots	No
Gweight	Num	18	Gross Weight of the item	No
Nweight	Num	18	Net Weight of the item	No
Volume	Num	18	Volume of the item	No
Country	Char	50	Supplier Country	No
City	Char	50	Supplier City	No
Region	Char	50	Supplier Region	No
ItemRemark	Char	7500	Remark on the item	No

Import data into Purchase Order or Receiving Goods

It imports the purchase order data.

The same import exists also in the receiving goods.

The import auto creates all related master data for values that do not exist in the system so in this case no need to make import from Inventory and then import into Purchase Order.

These 2 steps can be made directly from purchase order.

The import feature exists within the Purchase Order and in Receiving Goods. It uses a similar format to the Inventory Data import. Same rules described in the Inventory section are applicable in this section also. The only difference is that the user has to fill in the transaction header such as dates, supplier, currency and warehouse in order to be able to import the data into the transaction details.

Field	Type	Width	Description	Required
Reference	Char	15	Supplier Reference	No
Item	Char	21	Item Code	Yes
Model nbr	Char	16	Model Number of the item	No
Season	Char	30	Season of the item	No
Division	Char	30	Division of the item	No
Scale	Char	3	Scale code	No
ScaleSize	Char	4	Scale size such as S, M, L, ...	No
Color code	Char	4	Color code such as Red, Blue, ...	No
Year	Num	4	Year of the item	No
Barcode	Num	20	Barcode of the item	No
Weight	Num	10.2	Weight of the item	No
Description	Char	100	Item Description	Yes
Short Desc	Char	32	Item short description	Yes
Alt Desc	Char	50	Item alternate description	No
Sh Alt Desc	Char	32	Item short alternate description	No
Supplier	Char	50	Supplier Name	Yes
Family	Char	30	Item Family name (1 st level)	Yes
Sub Family	Char	30	Item Sub Family (2 nd level)	No
Category	Char	30	Item Sub Sub Family (3 rd level)	No
Type	Char	30	Item Type name	Yes
Sub Type	Char	30	Item Sub Type name	No
Sub Sub Type	Char	30	Item Sub Sub Type name	No
Custom	Char	30	Custom label	Yes
Custom%	Num	3.2	Custom Percentage	Yes
VAT	Char	30	VAT Label	Yes
VAT%	Num	3.2	VAT Percentage	Yes
Unit	Char	5	Smallest unit of the item	Yes
BaseUnit	Char	5	Base unit of the item	Yes
Factor	Num	8.3	conversion factor between smallest and base unit	Yes
Brand	Char	30	Item Brand Name	Yes
Cur	Char	4	Cost Currency	Yes
Price	Num	8.3	Cost price defined in cost cur.	No
Quantity	Num	8.3	Existent quantity in stock	No
Consign	Num	1	1 in case consigned item	Yes
			0 in case not consigned item	
Sell Cur	Char	4	Default selling currency	Yes
Sell Price	Num	8.3	Selling price in selling cur.	No

Field	Type	Width	Description	Required
PriceFI	Num	8.3	Selling price in 1 st cur.	No
PriceSI	Num	8.3	Selling price in 2 nd local cur.	No
Kit	Num	1	1 in case the item is kit	Yes
			0 in case the item is not a kit	
Lot	Num	1	1 in case the item is with exp /lot No	Yes
			0 in case the item is not with exp /lot	
ReplCostFI	Num	8.3	Replacement Cost in 1 st local	No
ReplCostSI	Num	8.3	Replacement Cost in 2 nd local	No
ReplCostFor	Num	8.3	Replacement Cost in item cur.	No
ColorDesc	Char	30	Color descriptions	No
AltFamily	Char	30	Alternate family name	No
AltSubFamily1	Char	30	Alternate Sub family name	No
AltSubFamily2	Char	30	Alternate Sub Sub family name	No
AltType	Char	30	Alternate type name	No
AltSubType1	Char	30	Alternate Sub type name	No
AltSubType2	Char	30	Alternate Sub Sub type name	No
ConFactor	Num	8.3	Conversion factor for extra uom	Yes
Udf1	Char	30	User defined field 1	No
Udf2	Char	30	User defined field 2	No
Udf3	Char	30	User defined field 3	No
Udf4	Char	30	User defined field 4	No
Udf5	Char	30	User defined field 5	No
Udf6	Char	30	User defined field 6	No
Item2	Char	21	Service item code for labor	No
Cur2	Char	4	Labor cost currency	No
Labor	Num	8.3	Labor cost in labor cost cur.	No
Expdate	Date	10	Expiry date format dd/mm/yyyy	No
Lotspec	Char	20	Lots	No
Gweight	Num	18	Gross Weight of the item	No
Nweight	Num	18	Net Weight of the item	No
Volume	Num	18	Volume of the item	No
Country	Char	50	Supplier Country	No
City	Char	50	Supplier City	No
Region	Char	50	Supplier Region	No
ItemRemark	Char	7500	Remark on the item	No

Import data into Sales Order

It imports all sales orders, including the salesmen, created during a certain period.

Header table transa.dbf

Field	Type	Width	Description	Required
Type	Char	2	SO	Yes
Ref	Char	10	Reference	No
Custid	Num	8	Customer Id	Yes
Date	Date		Transaction date	Yes
Time	Time		Transaction time (not to be filled)	No
Warehouse1	Char	3	Warehouse	Yes
Warehouse2	Char	3	Warehouse (not to be filled)	No
Discperc	Num	5.2	Global discount percentage	No
Discamt	Num	14.3	Additional discount amount	No
Remark	Char	250	Transaction remark	No

Details table transb.dbf

Field	Type	Width	Description	Required
Type	Char	2	SO	Yes
Ref	Char	10	Reference	No
Warehouse	Char	3	Warehouse	yes
Item	Char	21	Item code	Yes
Extrades	Char	50	Extra description at the item	No
Uprice	Num	14.3	Item unit price	Yes
Udiscperc	Num	5.2	Item discount	No
Quantity	Num	14.3	Item quantity	Yes

Import data into Delivery Note

It imports all delivery notes created during a certain period. It is especially used for truck deliveries.

Parameters should be specified in the tool like the batch, invoice type, salesman, currency, POS, Warehouse and Reason (in case of free). In case of import grouping, an option has to be set to define whether each line has to be in a different DN or DN should be grouped by date, client and truck.

Field	Type	Width	Description	Required
DeliveryRef	Char	50	Reference put in extra description	Yes
Date	Date		Transaction date	Yes
CustomerName	Char	50	Customer of the delivery	Yes
Salesman	Char	50	Salesman of the delivery	Yes
TruckNo	Char	20	Truck No sent to delivery	No
DriverName	Char	20	Driver Name sent to delivery	No
ItemCode	Char	21	Item code delivered	Yes
Qty	Num	14.3	Quantity delivered	Yes
Free Qty	Num	14.3	Free quantity delivered	Yes
Warehouse	Char	3	Warehouse from where items were delivered from	Yes

Import data into Sales Return

It imports all sales returns, including the salesmen, created during a certain period.

Header table transa.dbf

Field	Type	Width	Description	Required
Type	Char	2	SR	Yes
Ref	Char	10	Reference	No
Custid	Num	8	Customer Id	Yes
Date	Date		Transaction date	Yes
Time	Time		Transaction time (not to be filled)	No
Warehouse1	Char	3	Warehouse	Yes
Warehouse2	Char	3	Warehouse (not to be filled)	No
Discperc	Num	5.2	Global discount percentage	No
Discamt	Num	14.3	Additional discount amount	No
Remark	Char	250	Transaction remark	No

Details table transb.dbf

Field	Type	Width	Description	Required
Type	Char	2	SR	Yes
Ref	Char	10	Reference	No
Warehouse	Char	3	Warehouse	Yes
Item	Char	21	Item code	Yes
Extrades	Char	50	Extra description at the item	No
Uprice	Num	14.3	Item unit price	Yes
Udiscperc	Num	5.2	Item discount	No
Quantity	Num	14.3	Item quantity	Yes



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