

The globals.xml file explained:

If you do not have any experience in converting CSV files this basic explanation about our globals.xml file can help you understand how product data settings are stored and organized.

In the globals.xml file you can edit and organize how the conversion of your CSV to a importable Magento XML file will be done.

CSV files normally come in different formats from wholesalers and each CSV file can look different in data structure from the other. One may include for example a short description, the other feed might only include a long description in their feeds. Also each unique column might contain different product data. We want to grab minimal relevant data to work with and store specific feed settings in the globals.xml.

The Universal Product Importer will work with almost any CSV file, as long as minimum required data like Unique identifier (e.g. SKU),product name, description, price, category, image names or image url's are included in the CSV file.

To be able to begin working in the globals.xml file you have to open it in a Text editor like Notepad (++).

When opened you see a lot of text. Most of this you are not going to use.

In total there are 5 areas (2 lists and 3 small commands)in the file which you are going to use.

We start with explaining the lists. If you scroll down the file you can see 2 large lists.

One with lines like `<Cell><Data ss:Type="String">`
Second with lines like `String,admin,0,no_convert,no_calculate` or
`Number,1,0,no_convert,no_calculate`

The first list

The first list is the one that creates the headers for every column in your new XML file which will automatically be created after converting your CSV file.

The standard globals.xml file is provided with around 45 headers. (Which means your new XML file contains 45 columns if not changed.)

Before changing, adding or deleting any headers you should check this list first. It already contains headers for SKU, name, description, price,cost etc. It includes all standard expected product information needed for Magento.

Note: Changing the organization or deleting any headers is not recommended. It does not change anything for your webshop but could mess up the script. Organizing attributes will be explained in an other manual.

If you have productinformation in your CSV file that does not already have a header in the globals you can simply add a new header by expanding the list like this:

```
89 <Cell><Data ss:Type="String">small_image</Data></Cell>
90 <Cell><Data ss:Type="String">thumbnail</Data></Cell>
91 <Cell><Data ss:Type="String">custom_design</Data></Cell>
92 <Cell><Data ss:Type="String">new_header</Data></Cell>
93 </Row>
94 </header>
95 <Row ss:AutoFitHeight="0">
96 <!-- build-up of the body -->
97 <!-- first field indicates the type of data string or number-->
```

Copy/paste a line is easier than typing the whole command. Make sure you do not use Capitals. For spacing you can use an underscore (_).

You can add as much new headers as you would like. Since the first and second list are in order it is wise to put the new headers below the existing ones.

Note: When uploading into Magento you need to add new attributes via your shop's Admin Panel with the attribute codes exactly the same as your header name. More on this in Manual about Attributes.

The second list

Where the first list is purely for the headers the second list controls what happens below the column headers in the related cel tables from your datafeed.

Important Notice: For every new header you added you have to expand the second list as well by adding the same amount of command lines as headers. So if you've added 4 new headers you have to add 4 command lines. In this case you do not have to watch out for Capitals or spaces. Since this list is in order you have to put the new command lines below any existing, the same as you did with the new headers, so both lists have the same order.

To make it easy on yourself you should name the command lines the same as you named your new headers.

```
143 String,,0,no_convert,no_calculate
144 String,image,0,no_convert,no_calculate
145 String,smallimage,0,no_convert,no_calculate
146 String,tumbnail,0,no_convert,no_calculate
147 String,,0,no_convert,no_calculate
148 String,New header 1,0,no_convert,no_calculate
149 String,New header 2,0,no_convert,no_calculate
150 String,New header 3,0,no_convert,no_calculate
151 String,New header 4,0,no_convert,no_calculate
152 </body>
153 <!-- Indicate separator character, for Tab = "TAB" -->
154 <CSV_file_fieldseparator>
155 TAB
```

Let's take a look at the command line for SKU (SKU is a unique product code):

```
104 String,Default,0,no_convert,no_calculate
105 String,Simple,0,no_convert,no_calculate
106 String,SKU,0,no_convert,no_calculate
107 String,Categorie,0,no_convert,no_calculate
108 String,Enabled,0,no_convert,no_calculate
```

String,SKU,0,no_convert,no_calculate

This line is separated by 4 comma's, which leaves 5 different commands (1,2,3,4,5)

1:

On this spot you can fill in a string (which is Text) or number, depending on whether you would like text/numbers to be shown in the column.

We skip to command 3 first to understand command 2 better.

3:

On this spot you will fill in the correct number of the column from your CSV.

Example: You decided you would like the product information, SKU, Name and URL from your CSV to be converted.

	A	B	C
1	ProductSKU	ProductName	ProductURL
2	101 0514	3-ring Binder Vinyl CD Page (10 Pack)	http://www.yourwebsite.com/templates/SearchDetail.asp?ProductID=179
3	101 0516	Self-adhesive CD Security Envelope (10 Pack)	http://www.yourwebsite.com/templates/SearchDetail.asp?ProductID=179
4	101 0755	One Touch Release DVD Tower, Holds 40, Dk Silver	http://www.yourwebsite.com/templates/SearchDetail.asp?ProductID=593
5	101 0760	One Touch CD Box, Holds 80 CDs, Dk Silver	http://www.yourwebsite.com/templates/SearchDetail.asp?ProductID=593

In above screenshot you can see that the SKU is placed in column A, name in column B and URL in column C. This means that the number you will have to fill in for the command line SKU is 1.

String,SKU,1,no_convert,no_calculate

For name and URL you again search the matching column numbers from you CSV file (Check it in Excel) and fill in the correct number. In this case accoring to above screenshot it wil be:

String,Productname,2,no_convert,no_calculate

String,ProductURL,3,no_convert,no_calculate

If you've made a mistake like this:

String,SKU,3,no_convert,no_calculate (3 instead of 1) you get this as output:

SKU
http://www.yourwebsite.com/templates/SearchDetail.asp?ProductID=1798
http://www.yourwebsite.com/templates/SearchDetail.asp?ProductID=1799
http://www.yourwebsite.com/templates/SearchDetail.asp?ProductID=5933
http://www.yourwebsite.com/templates/SearchDetail.asp?ProductID=5936
http://www.yourwebsite.com/templates/SearchDetail.asp?ProductID=12108

The software fills in the ProductURL (the 3rd column in the example CSV instead of the 1st column which contains the correct SKU data)

(A = 1, B = 2 etc. AA= 27, AB = 28 etc. BA=53, BB=54 etc.)

Example: If in your CSV the product information 'Description' is the 34th column the matching command line in your globals will be:

String,metadesc,34,no_convert,no_calculate

(In the standard globals.xml file the command line has metadesc instead of description or product description so searching for the command lines can be a bit confusing since not every command line has got a name, but the lists are in order so you can still track down which command line belongs to which header.)

In your CSV file you will probably have information you do NOT want to convert. That is why in the standard globals file in every command line every 3rd spot has a 0. This means this line is not converting and will fill in the column with that what has been filled in on spot 2.

Note: Number,price,0,no_convert,no_calculate

After converting the file this line is responsible for an error so you can not open the file in Excel. The problem is that the command Number can only fill in numbers. Since the 3rd spot has a 0 (no conversion will be done) the software will fill in spot 2 (weight,price or cost) but since that is not a number, you will get an error when trying to open the XML output file via Excel.

The standard globals file has 3 of these lines.

111	Number,weight,0,no_convert,no_calculate
112	Number,price,0,no_convert,no_calculate
113	Number,cost,0,no_convert,no_calculate
114	String,productname,0,no_convert,no_calculate

If you do not want an error you should fill in all the zero's with the numbers of the correct matching column from your CSV or if you are not converting this information (weight, price or cost) you must replace weight, price or cost with a zero.

2:

On this spot you can fill in text, numbers or you can even fill in nothing (if you've made new headers and added new command lines it is wise to fill in the same as you filled in in the first list so you can easily track it down when you want to fill in spot 3 for conversion). The next examples show the output with the matching command line:

1	SKU	
2	12345	
3	12346	
4	12347	
5	12348	
6		

String,SKU,7,no_convert,no_calculate (if SKU in your CSV is the 7th column or below the character G)

1	SKU	
2		0
3		0
4		0
5		0
6		

String,0,0,no_convert,no_calculate (it fills in 0)

1	SKU	
2		
3		
4		
5		

String,,0,no_convert,no_calculate (it fills in nothing)

1	SKU	
2	sku	
3	sku	
4	sku	
5	sku	
6		

String,sku,0,no_convert,no_calculate (it fills in sku)

4:

On this spot you fill in convert or no_convert.

No_convert: Nothing happens

Convert: The software will use this area of the globals file:

```
170 <conversion_table>
171   Catalog; search
172   Catalog, search
173   Yes
174   1
175 </conversion_table>
```

Some CSV files contain a column with Availability as product information. Then Yes or No or Y or N will show whether this product is available or not. This command will put a 1 for Yes and a 0 for No in the converted output.

5:

On this spot you fill in calculate or no_calculate.

No_calculate: Nothing happens.

Calculate: The software will use this area of the globals.xml file:

```
158 <calculation_table>
159   1000, 1.1
160   100, 1.1
161   10, 1.1
162   1, 1.1
163   0, 1.1
164 </calculation_table>
```

With this section you can set the prices. If you only have the cost from your wholesaler and you would like to set your profit you can use this table to do it automatically.

Now all the costs will multiply by 1.1 which means 10 % profit.

You can change this table to your specific needs.

```
158 <calculation_table>
159   1000, 1.1
160   100, 1.1
161   10, 1.1
162   1, 1.1
163   0, 1.2
164 </calculation_table>
```

Now the cost price from 0 to 1 euro will be multiplied by 1.2 so that means 20 % profit on your products.

If you already set all your prices, you do not have to change anything because the standard globals.xml file standard uses the no_calculate command here.

The last thing:

There is one command left:

```
154 <CSV_file_fieldseparator>  
155 TAB  
156 </CSV_file_fieldseparator>
```

In here you fill in the separator that has been used in your CSV file. This can be TAB or ; or other symbols like a comma.