



KKImporter 1.0.3

Introduction

KKImporter is based on EasyPopulate which is a popular database population tool for osCommerce. It uses the EasyPopulate column names where available and adds new column names for KonaKart functionality not available in osCommerce.

KKImporter, contains functionality to populate a KonaKart database from a text file containing product data (import data) and to create a text file from the product data in a KonaKart database (export data).

How does it work

Import

1. Breaks the file into lines based on the explicit field named "EOREOR". This word "EOREOR" must appear in the last field in each row of your data for the import to work properly.
2. Reads the first row to get the names of the fields you are importing. This is why you must have the header row in the file.

For each subsequent row it:

1. Checks the data. If the data is invalid, it logs the error and interrupts execution.
2. Checks to see if the category(ies) given, exist in the database. If they do, it puts the product in to the given category/subcategory. If they do not exist, it creates the category/subcategories as needed, and then puts the product into that category/subcategory. In a multi-language system, the categories are searched for using the default language.
3. Checks to see if the given manufacturer exists in the database. If it exists, it associates the product with the manufacturer. If it doesn't, it creates the manufacturer.
4. If the product id exists, then the product is searched for in the database for that id and if it exists, the product is edited.
5. If the product SKU exists and the product id doesn't, then the product is searched for in the database for that SKU. If it exists, the product is edited.
6. If a product with matching id or SKU does not exist in the database, the product is created with the given information (price, weight, qty).

Export

1. The header line is written to the output file.
2. All products are read from the database in a loop.
3. The attributes of each product are formatted with the correct delimiter and are written to the file.

How to configure and run

KKImporter is provided in all KonaKart download packages. It can be found under the import_export directory immediately under the KonaKart installation directory.

Example BAT files and SH scripts are provided for Windows and Unix/Linux respectively. The easiest way to run KKImporter is to follow these examples and modify them as required.

You will notice in the examples that two parameters are required, as follows:



- 1) Engine Mode - 0 (SingleStore), 1 (MultiStore MultipleDBs) or 2 (MultiStore Single DB)
- 2) storeId (use "store1" for single store mode)

Note that the critical classpath for KKImporter is set up in the setClasspath.bat and setClasspath.sh files for each respective platform. If you move KKImporter you will have to make sure that all the libraries it references are available on its classpath.



Properties File

Prop Name	Default	Description
default_image_product	prod_def.gif	The default image used for a product if one isn't specified.
default_image_manufacturer	manu_def.gif	The default image used for a manufacturer if one isn't specified.
default_image_category	cat_def.gif	The default image used for a category if one isn't specified.
default_prod_weight	0	Default product weight used if one isn't specified.
default_prod_qty	1000	Default product quantity used if one isn't specified.
default_tax_class_id	1	The default tax class id
default_is_prod_invisible	false	The default product visibility
replace_quotes	true	Double and single quotes within the product description are replaced with escape characters.
double_quote	"	Escape for double quote
single_quote	'	Escape for single quote.
zero_qty_inactive	true	If the quantity is set to zero, the product is made inactive
default_delimiter	\t	The delimiter used to separate the individual columns
max_product_model_size	12	The default database only allows 12 characters. If you've made this bigger in the DB, then you can increase it here for the validation check.
prod_active	active	The value for v_status when the product is active.
prod_inactive	inactive	The value for v_status when the product is inactive.
new_line_substitution	 	If the product description has line breaks, they are substituted with this string.
date_template	dd/MM/yyyy	The template used to parse the dates.
max_cat_levels	3	The maximum number of categories to put on the header line when exporting. The export will break if there is a product with a category hierarchy deeper than this.
webservice_endpoint	http://localhost:8780/konakartadmin/services/KKWSAdmin	The endpoint of the SOAP webservice of the KonaKart AdminApp
eng_user	KonaKart	The username to log into the Admin Engine
eng_password	prince	The password for the Admin Engine



Product Data Format

v_products_id
v_products_sku
v_products_model
v_products_image
v_products_image2
v_products_image3
v_products_image4
v_products_name_1
v_products_description_1
v_products_comparison_1
v_products_url_1

....

... If you have multiple languages, there will be more pairs of name/description here

...

v_products_name_N
v_products_description_N
v_products_comparison_N
v_products_url_N

...

v_products_price
v_products_weight
v_date_avail
v_date_added
v_products_quantity
v_manufacturers_name
v_categories_name_1
v_categories_name_2
v_categories_name_3
v_categories_name_4
v_categories_name_5
v_categories_name_6
v_categories_name_7
v_tax_class_id
v_status
v_invisible
v_type
v_content_type
v_file_path
v_products_custom_1
v_products_custom_2
v_products_custom_3
v_products_custom_4
v_products_custom_5
EOREOR



Notes:

Name	Description
v_products_id	The internal id of the product (created when a product is inserted)
v_products_sku	The SKU for the product
v_products_model	The model number for the product
v_products_image v_products_image2 v_products_image3 v_products_image4	The name of the image files for the product. May contain subdirectories (i.e.mysubdir/mypic.gif). If left blank, v_products_image will default as set in the properties file.
v_products_name_1 v_products_description_1 v_products_comparison_1 v_products_url_1	For each language you have active in your store, you'll get a set of name, description, comparison and url for the product. The number after the underscore contains the language id.
v_products_price	Price you want listed.
v_products_weight	Weight. If left blank, it will default as set in the properties file.
v_date_avail	When the product will become available. Defaults to today if left blank.
v_date_added	When the product will be reported as being added to the database. Defaults to today if left blank.
v_products_quantity	Number of the products you have on hand. If left blank, it will default as set in the properties file.
v_manufacturers_name	The name of the manufacturer. If not already in the database, it will be created.
v_categories_name_1 v_categories_name_2 v_categories_name_3 v_categories_name_4 v_categories_name_5 v_categories_name_6 v_categories_name_7	<p>The category hierarchy that this product should be listed under. Note that name_1 is the highest level category. An example:</p> <p>If you are selling cars and you want to list a Pontiac Aztec, you'd have something like this:</p> <p>Cars -> General Motors -> Pontiac</p> <p>for categories, and the Aztec would be listed in the Pontiac subcategory. So your data would look like this:</p> <p>v_categories_name_1 = Cars v_categories_name_2 = General Motors v_categories_name_3 = Pontiac</p>
v_tax_class_id	The tax status you want to assign to this product. If left blank, it will default as set in the properties file.
v_status	<p>The status you want to set for this item. defaults to active. To make the product inactive, put the word inactive in the field. Note: If you set a product with zero quantity active, and the zero_qty_inactive property is set to true, it will be inactive in the database.</p> <p>If you want to use different words for active/inactive, you can change the prod_active and prod_inactive properties.</p>
v_invisible	Set to true or false. If left blank, it will default as set in the properties file.
v_type	Type of product. 0=physical product, 1=Digital Download
v_content_type	Content type that describes the digital download (e.g. image/jpeg or application/pdf etc.)
v_file_path	The path where the digital download file is stored. This is appended to the base path stored in a configuration variable.



v_products_custom_1	Custom attribute
v_products_custom_2	Custom attribute
v_products_custom_3	Custom attribute
v_products_custom_4	Custom attribute
v_products_custom_5	Custom attribute
EOREOR	This is a REQUIRED FIELD! It gives an explicit end to the row of data. This must appear on every row of your data

Current Limitations

- Categories and manufacturers are created when they don't already exist.
 - There is no way of specifying the images to use. A default image is always used.
 - In a multi-language system there is no way of specifying the category name in multiple languages.
- A KonaKart product can have attributes and combinations of attributes can have a unique SKU and a stock quantity associated with them (i.e. A shirt may come in a variety of sizes and colours each of which has a unique SKU and stock quantity). These attributes cannot be imported or exported.

Change History

Version 1.0.1

Addition of three new attributes to product object for digital download support.

- v_type
- v_content_type
- v_file_path

Addition of new attributes to product for supporting multiple images.

- v_products_image2
- v_products_image3
- v_products_image4

Addition of new attribute to product for supporting comparison data.

- v_products_comparison_N

Version 1.0.2

Addition of three new price attributes to product object.

- v_products_price_1
- v_products_price_2
- v_products_price_3

Version 1.0.3

- Added Multi-Store capabilities
- Command line interface syntax changes