

[Kentico Import Toolkit](#) is a utility that allows you to import data from external sources into the system. As a source of data, you can use:

- XML files
- CSV files
- XLSX and XLSM files (MS Excel)
- MS SQL databases

With Kentico Import Toolkit, you are able to:

- [Import products from an external source of data into a Kentico website.](#)
- [Change product properties using an external source of data.](#)

You can use this procedure to import [products](#) into any Kentico website from any of the listed sources of data.

 Kentico Import Toolkit does not support importing (uploading) of product images.


Importing products from an external source of data

Taking preparatory steps


1. Prepare your external source of data, for example an XLSX file. Make sure that all required product properties are included.


Out of the box, the product properties required for import are:

- *Name of the product* – the same value for the **DocumentName**, **SKUName** and **DocumentSKUName** columns.
- *Culture of the product page* – the **DocumentCulture** column.
- *Price of the product* – the **SKUPrice** column.
- *ID of the site where the products are imported* – the **SKUSiteID** column.

 You do not need to set the **SKUSiteID** property; however, if you do not, the system assigns *null* to the property, which indicates [global products](#).

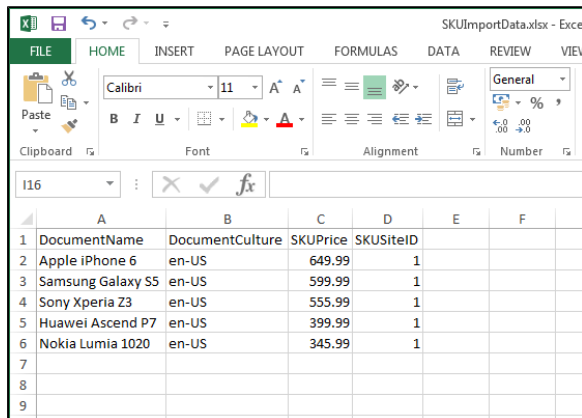
Then, if you do not [enable global products](#) in the **Store configuration** application, you get an error when browsing the products (The error description is: "The object does not exist. It may have been deleted by someone else.")

-  If it already happened to your Kentico instance, there are several options to fix the products:
- [Enable global products](#). However, this may not be desirable, for example in multi-tenant instances.
-OR-
 - [Change the products' properties via Kentico Import Toolkit and set the **SKUSiteID** property.](#)
-OR-
 - Use a SQL script that will update the **SKUSiteID** property. If you choose this option, make sure you [stop the site](#) when you run the SQL script.

 If you want to automatically assign products to their parent section (for example, to assign *Mercedes-Benz S500* to the *Cars* section or *Apple iPhone* to the *Cellphones* section), add another column with their **ParentNodeID** property.

You can find the **Node ID** property while editing the desired parent page in the **Pages** application on the **Properties -> General** tab.

There can be also other required properties depending on the [product type](#) which products will use (you choose the page type later during the import).




	A	B	C	D	E	F
	DocumentName	DocumentCulture	SKUPrice	SKUSiteID		
2	Apple iPhone 6	en-US	649.99	1		
3	Samsung Galaxy S5	en-US	599.99	1		
4	Sony Xperia Z3	en-US	555.99	1		
5	Huawei Ascend P7	en-US	399.99	1		
6	Nokia Lumia 1020	en-US	345.99	1		
7						
8						
9						

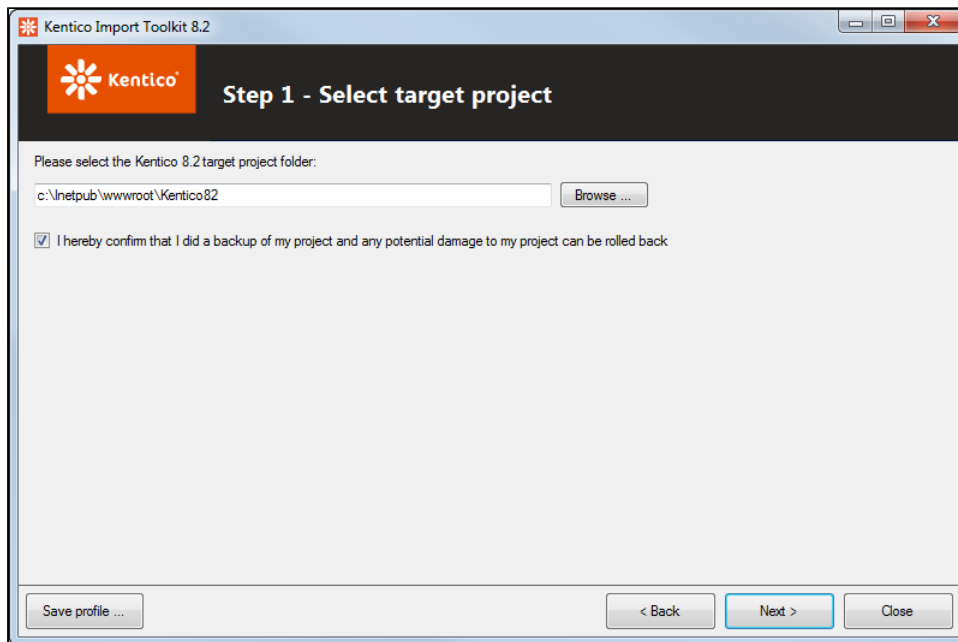
2. Launch the **Kentico Import Toolkit <version>** in **Start -> All programs -> Kentico <version> -> Utilities** or execute the **ImportToolkit.exe** file located in **<Kentico installation folder>\Bin** (typically "C:\Program Files (x86)\Kentico\<version number>\Bin").

This opens the initial screen of the Kentico Import Toolkit wizard.

Using the Kentico Import Toolkit wizard

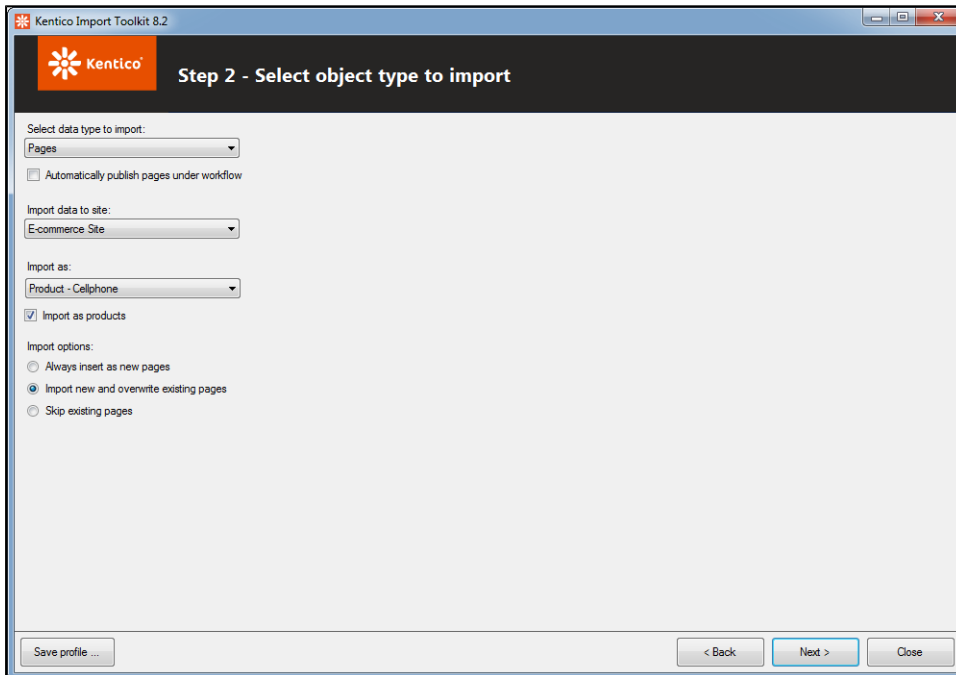
 In each (except for the initial) wizard step, you can click **Save profile** and save the configuration done until that point. The system saves the configuration as an **.iprofile** file in a destination of your choice. You can then load the saved configuration file in the initial step.

1. Start a new import session.
 - Alternatively, load an import profile that you created during a previous product import.
2. **Step 1:** Specify the root folder of the project into which you want to import the products.
3. Confirm that you did a backup of your project.



4. **Step 2:** Select the object type that the system will use to store the imported data.

- **Select data type to import** – Select *Pages*. (If you want to import the products just as SKUs (without their corresponding product pages), select *Objects*.)
- **Import data to site** – specify the site to which you want to import the products.
- **Import as** – select the [product type](#) that the system will use to store the imported products.
- **Import as products** – Yes (selected) – confirm that the data is imported as products.
- **Import options:**
 - *Always insert as new pages* – imports all the data. The Toolkit does not check whether the product is already in the system and adds it always as a new product.
 - *Import new and overwrite existing pages* – imports all the data. If a product is already found in the system (according to the column which will be specified in the following steps), the data from the external source overwrites the product data in the system.
 - *Skip existing pages* – imports just products which are not found in the system. Products found in the system (according to the column which will be specified in the following steps) will not be imported.



Step 2 - Select object type to import

Select data type to import:
Pages

☐ Automatically publish pages under workflow

Import data to site:
E-commerce Site

Import as:
Product - Cellphone

☒ Import as products

Import options:
☐ Always insert as new pages
☒ Import new and overwrite existing pages
☐ Skip existing pages

Save profile ... < Back Next > Close

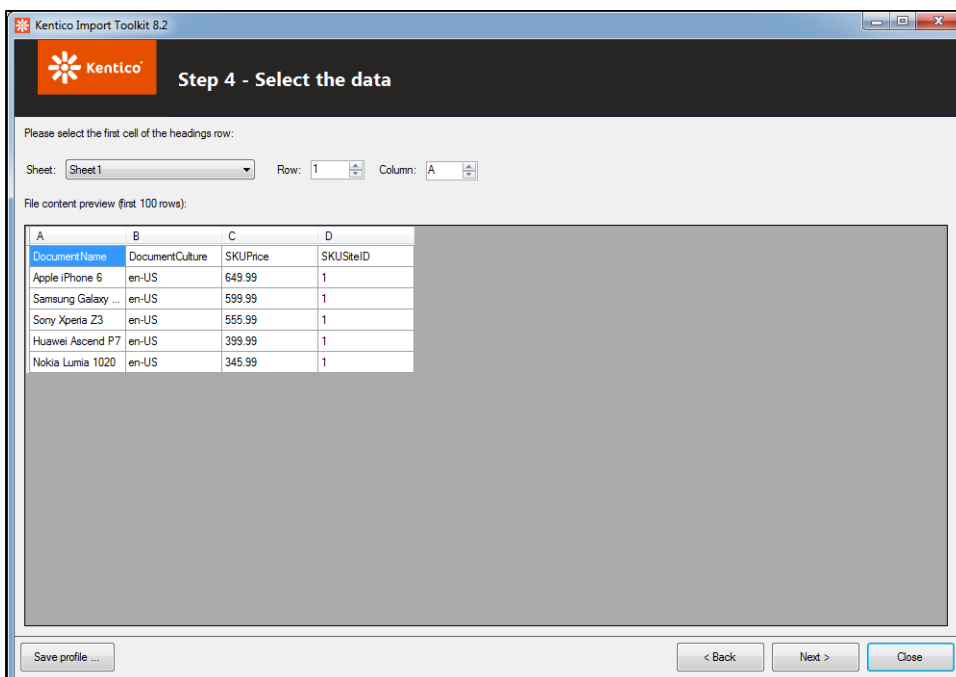
5. **Step 3:** Specify the source of the imported data. If you select a MS SQL database, enter your login credentials.



If you specify a source of data different from an XLSX/XLSM or CSV file, the Kentico Import Toolkit wizard displays the following step accordingly.

6. **Step 4 – an XLSX/XLSM or CSV file:**

Specify the row and column of the source file that the system will take as the beginning of the heading row of the imported data.



Step 4 - Select the data

Please select the first cell of the headings row:

Sheet: Sheet1 Row: 1 Column: A

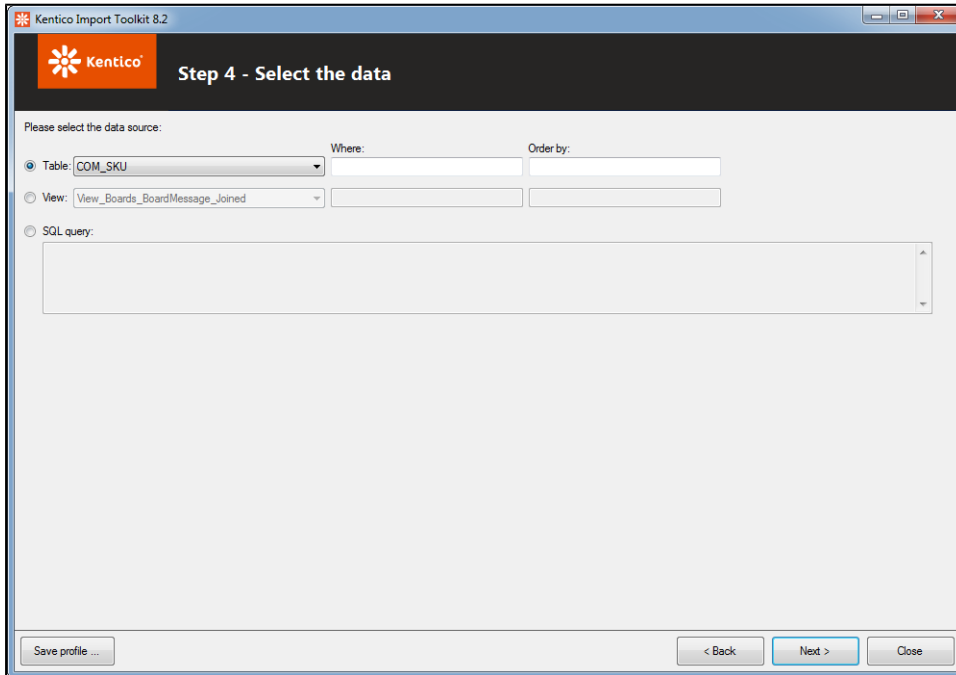
File content preview (first 100 rows):

DocumentName	DocumentCulture	SKUPrice	SKUStelID
Apple iPhone 6	en-US	649.99	1
Samsung Galaxy ...	en-US	599.99	1
Sony Xperia Z3	en-US	555.99	1
Huawei Ascend P7	en-US	399.99	1
Nokia Lumia 1020	en-US	345.99	1

Save profile ... < Back Next > Close

- Step 4 – a MS SQL database:**

Specify a table, a view or a query that will be imported to the system.



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Step 4 - Select the data

Please select the data source:

☒ Table: Where: Order by:

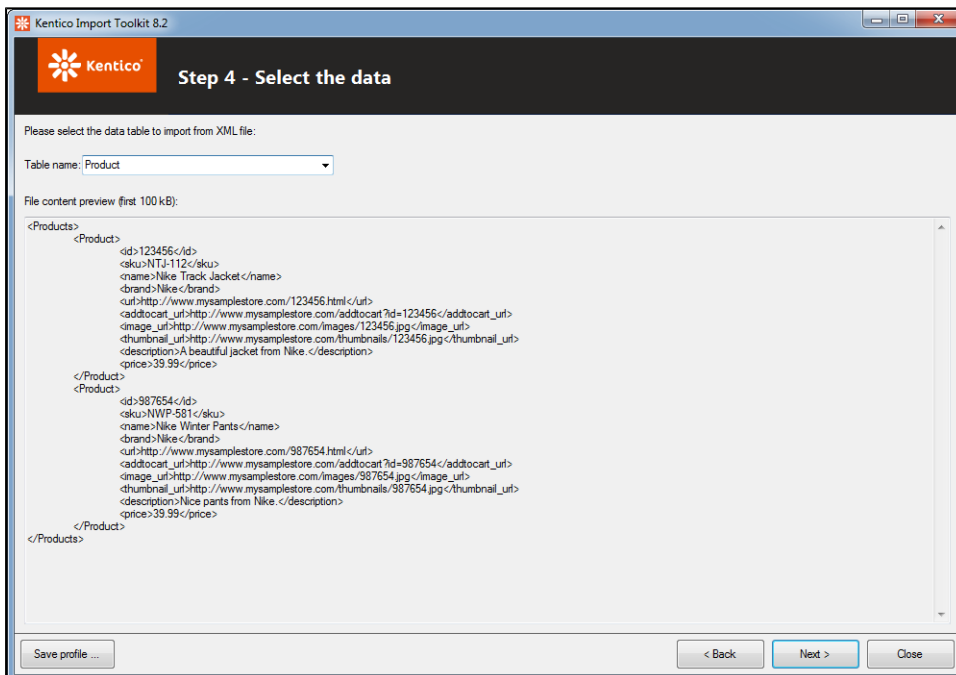
☐ View:

☐ SQL query:

Save profile ... < Back Next > Close

Step 4 – an XML file:

If the XML file contains more table names, select one of them.



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Step 4 - Select the data

Please select the data table to import from XML file:

Table name:

File content preview (first 100 kB):

```
<Products>
  <Product>
    <id>123456</id>
    <sku>NTJ-112</sku>
    <name>Nike Track Jacket</name>
    <brand>Nike</brand>
    <url>http://www.mysamplestore.com/123456.html</url>
    <addtocart_url>http://www.mysamplestore.com/addtocart?id=123456</addtocart_url>
    <image_url>http://www.mysamplestore.com/images/123456.jpg</image_url>
    <thumbnail_url>http://www.mysamplestore.com/thumbnails/123456.jpg</thumbnail_url>
    <description>A beautiful jacket from Nike.</description>
    <price>39.99</price>
  </Product>
  <Product>
    <id>987654</id>
    <sku>NWP-581</sku>
    <name>Nike Winter Pants</name>
    <brand>Nike</brand>
    <url>http://www.mysamplestore.com/987654.html</url>
    <addtocart_url>http://www.mysamplestore.com/addtocart?id=987654</addtocart_url>
    <image_url>http://www.mysamplestore.com/images/987654.jpg</image_url>
    <thumbnail_url>http://www.mysamplestore.com/thumbnails/987654.jpg</thumbnail_url>
    <description>Nice pants from Nike.</description>
    <price>39.99</price>
  </Product>
</Products>
```

Save profile ... < Back Next > Close

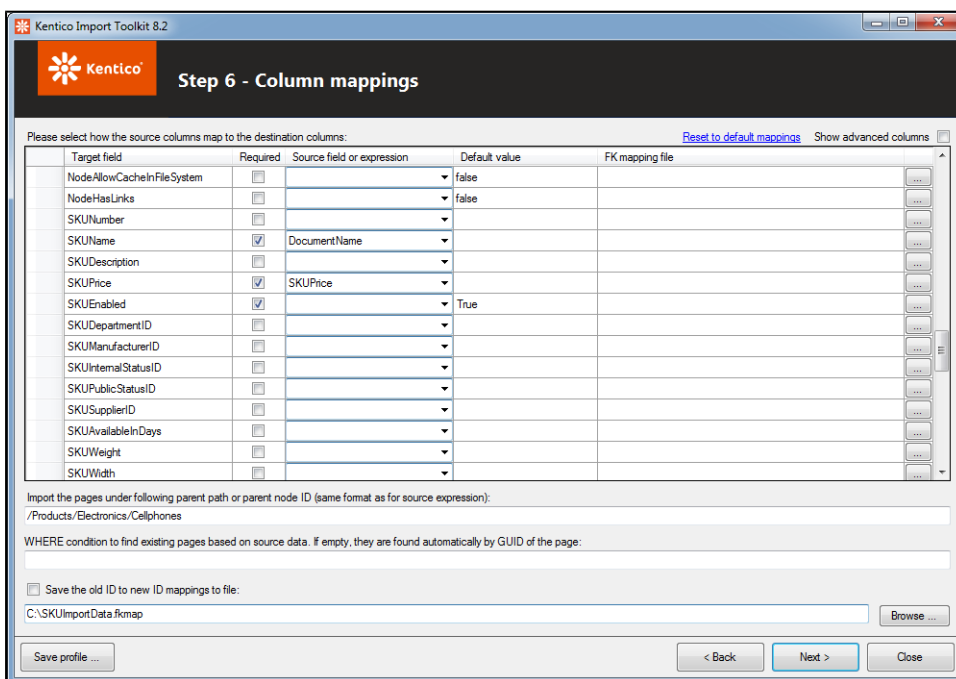
7. **Step 5:** Preview the source of data.

8. **Step 6:** Check whether the automatically added source fields were correctly assigned to the target fields. You can also assign the source fields to other target fields.

9. Configure other important mappings:

- **Import the pages under following parent path or parent node ID** – specifies where you want to place the imported products.

- Enter the path (for example `"/Products/Electronics/Cellphones"`) if all products have the same parent node.
- Type the `={%ParentNodeID%}` macro expression, where *ParentNodeID* stands for the column in which you keep the parent node IDs of the products. The system then automatically places the imported products under different parent pages as specified in your source fields.
- **WHERE condition to find existing pages based on source data** – determines which of the existing products the system skips or overwrites.
 - Hidden if you configured the Kentico Import Toolkit to always insert the imported products as new pages (in the **Import options** field few steps before).
 - Leave the field blank if the products are recognized according to their page [GUID](#).
 - Type a SQL macro expression to update products according to a specific column.
 - If values in the column are only numeric, type `SKUNumber = {%SKUNumber%}`, where *SKUNumber* stands for the database column and `{%SKUNumber%}` is the macro expression, which stands for the column in your source data (e.g., an XLSX file).
 - If values in the column are strings, type `SKUNumber = '{%SKUNumber%}'` (i.e. with inch symbols).
- **Save the old ID to new ID mappings to file** – saves mappings of source identification fields to target identification fields into an *.fkmap* file. You can use this file when configuring field mappings during your later import sessions.



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Step 6 - Column mappings

Please select how the source columns map to the destination columns: [Reset to default mappings](#) [Show advanced columns](#)

Target field	Required	Source field or expression	Default value	FK mapping file
NodeAllowCacheInFileSystem	<input type="checkbox"/>		false	
NodeHasLinks	<input type="checkbox"/>		false	
SKUNumber	<input type="checkbox"/>			
SKUName	<input checked="" type="checkbox"/>	DocumentName		
SKUDescription	<input type="checkbox"/>			
SKUPrice	<input checked="" type="checkbox"/>	SKUPrice		
SKUEnabled	<input checked="" type="checkbox"/>		True	
SKUDepartmentID	<input type="checkbox"/>			
SKUManufacturerID	<input type="checkbox"/>			
SKUInternalStatusID	<input type="checkbox"/>			
SKUPublicStatusID	<input type="checkbox"/>			
SKUSupplierID	<input type="checkbox"/>			
SKUAvailableInDays	<input type="checkbox"/>			
SKUWeight	<input type="checkbox"/>			
SKUWidth	<input type="checkbox"/>			

Import the pages under following parent path or parent node ID (same format as for source expression):

WHERE condition to find existing pages based on source data. If empty, they are found automatically by GUID of the page:

☐ Save the old ID to new ID mappings to file:
 [Browse...](#)

[Save profile...](#) [< Back](#) [Next >](#) [Close](#)

10. **Step 7:** Preview the target data.

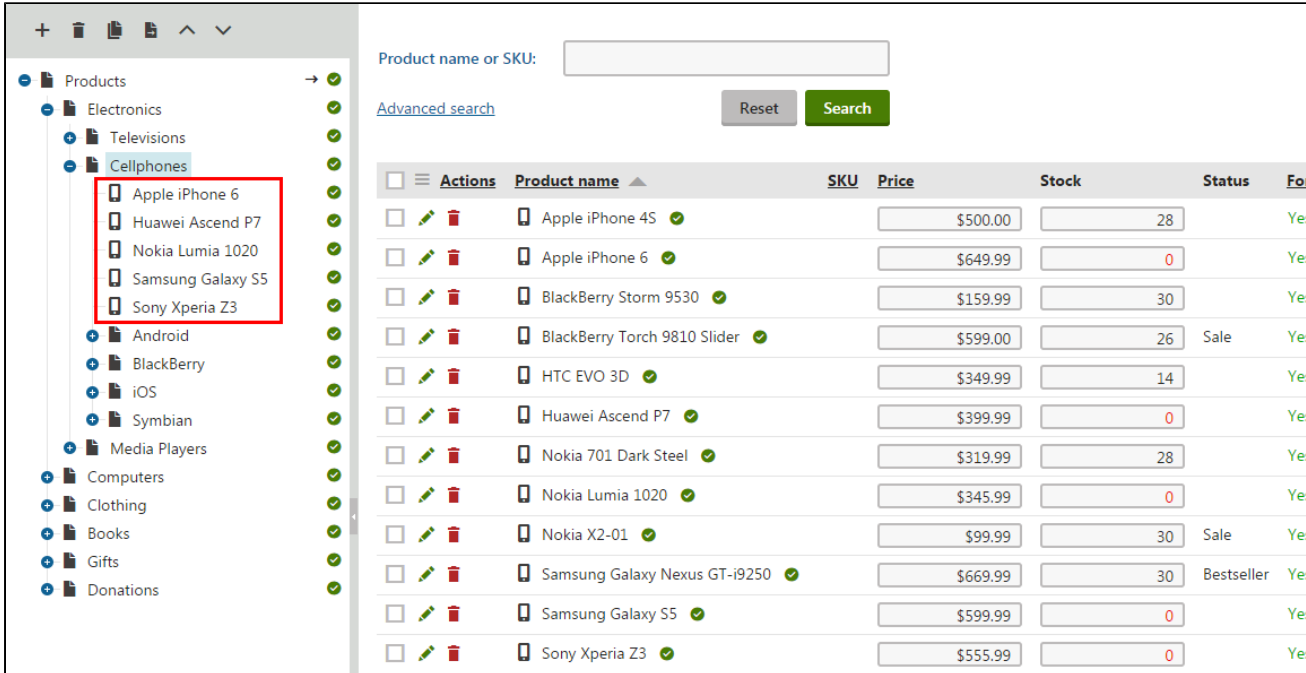
11. Select whether you actually want to import the data or you want just simulate the import.

12. Click **Import data** to perform the import of the data from the source to your on-line store. The Kentico Import Toolkit informs you about the result of the import.

13. Close the wizard.

- Alternatively, continue with one of the available scenarios (the **Continue with** section).


If you open the **Products** application, you will see the imported products in the specified section.



Product name or SKU:


[Advanced search](#)

<input type="checkbox"/>	Actions	Product name	SKU	Price	Stock	Status	For.
<input type="checkbox"/>		Apple iPhone 4S		\$500.00	28	Yes	
<input type="checkbox"/>		Apple iPhone 6		\$649.99	0	Yes	
<input type="checkbox"/>		BlackBerry Storm 9530		\$159.99	30	Yes	
<input type="checkbox"/>		BlackBerry Torch 9810 Slider		\$599.00	26	Sale	Yes
<input type="checkbox"/>		HTC EVO 3D		\$349.99	14	Yes	
<input type="checkbox"/>		Huawei Ascend P7		\$399.99	0	Yes	
<input type="checkbox"/>		Nokia 701 Dark Steel		\$319.99	28	Yes	
<input type="checkbox"/>		Nokia Lumia 1020		\$345.99	0	Yes	
<input type="checkbox"/>		Nokia X2-01		\$99.99	30	Sale	Yes
<input type="checkbox"/>		Samsung Galaxy Nexus GT-i9250		\$669.99	30	Bestseller	Yes
<input type="checkbox"/>		Samsung Galaxy S5		\$599.99	0	Yes	
<input type="checkbox"/>		Sony Xperia Z3		\$555.99	0	Yes	

 See an [example](#) of importing new products to learn more information.

Changing product properties using an external source of data

You can use Kentico Import Toolkit also when you update your external source of data and you want to import changes to your Kentico.

 You also need to include all unchanged values in the source data. Values in the database columns which are not mapped to columns in the source data are deleted.

Kentico Import Toolkit is therefore suitable for updating products which are also kept in a stand-alone source and not suitable for updating products when you have just some properties available.

Follow the same steps as when importing new products mentioned [above](#) with the following changes:

- In the external source, you need to include a column with a property according to which the system recognizes the products, for example *SKUNumber*.
- In **Step 2** in the **Import options** field, you need to select *Import new and overwrite existing pages*.
- In **Step 6** in the **WHERE condition** field, type a SQL WHERE condition with a macro expression to find the products, for example *SKUNumber = '{%SKUNumber%}'*, where *SKUNumber* means a database column and *{%SKUNumber%}* means a column in your source data.

After finishing, if you open the **Products** application, you will see the updated products.