Importing from File

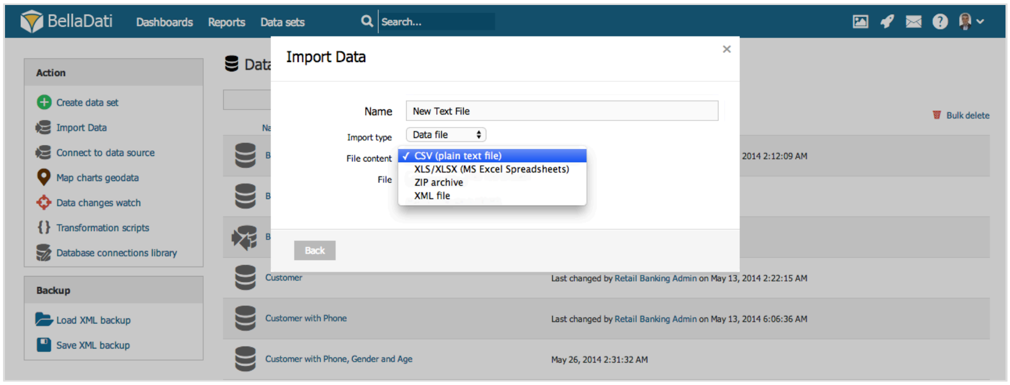
The following file formats are supported for manual import in BellaDati:

- **CSV** (plain text files)
- **Microsoft Excel** (XLS, XLSX) - Office 2003 - 2016 (previous versions not guaranteed)
- **XML** files
- **ZIP** files (containing one or more supported file formats above)
- **JSON** files

To import file:

- Go to the **Data Set** page
- Select **Import data**
- Choose **Data file** in **Inport type**
- Select appropriate **Data file** format

After selecting the data file, you need to wait until the file is uploaded.



Import Data

Name: New Text File
Import type: Data file
File content: ✓ CSV (plain text file) / XLS/XLSX (MS Excel Spreadsheets) / ZIP archive / XML file
File

2014 2:12:09 AM
Customer — Last changed by Retail Banking Admin on May 13, 2014 2:22:15 AM
Customer with Phone — Last changed by Retail Banking Admin on May 13, 2014 6:06:36 AM
Customer with Phone, Gender and Age — May 26, 2014 2:31:32 AM

Please note, that default **maximum file size** to import is **20MB**. **BellaDati Unlimited** or **BellaDati On-Premise** may have different file size limits. You can compress the file size when importing it in a ZIP archive (see below).

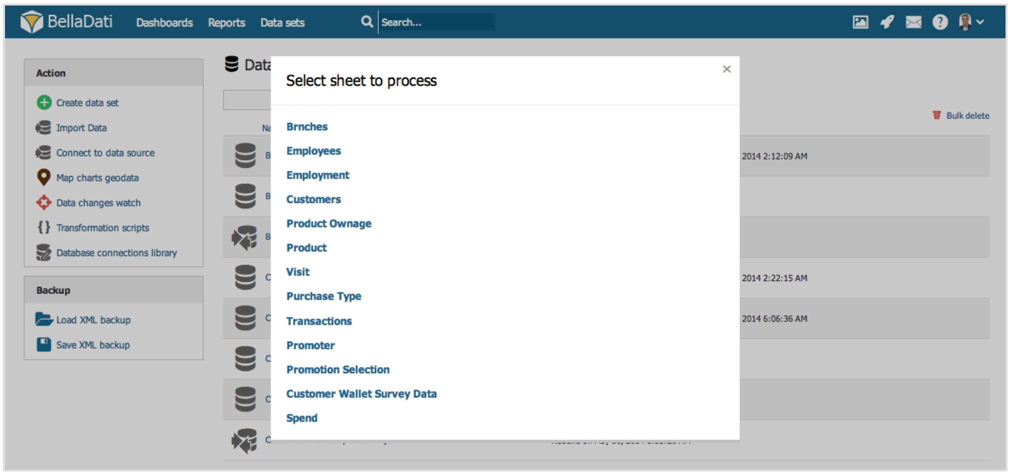
Importing from CSV

When you are importing from CSV, please continue directly to Import settings page.

Importing from Microsoft Excel

After uploading XLS/XLSX file you will be prompted to select the desired spreadsheet list.

List selection will not appear when your Excel spreadsheet contains only single list.



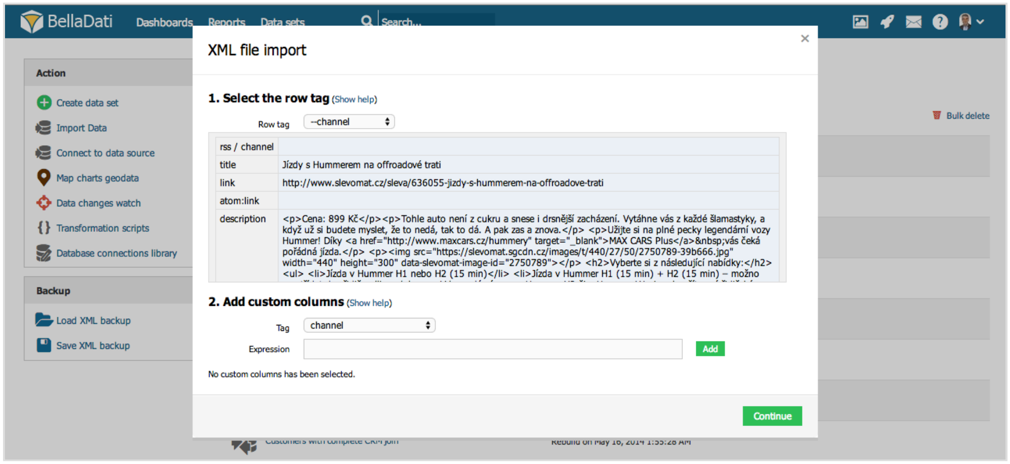
Select sheet to process

- Brnches
- Employees
- Employment
- Customers
- Product Ownage
- Product
- Visit
- Purchase Type
- Transactions
- Promoter
- Promotion Selection
- Customer Wallet Survey Data
- Spend

Importing from XML

In the XML importing guide, you will be prompted to select the **row tag**, which represents repeatable data sentence. The following example illustrates it on XML file containing employees:

In this case, the **row tag** is `<employee>`.



XML file import

1. Select the row tag (Show help)

Row tag: --channel

rss / channel	
title	Jízdy s Hummerem na offroadové trati
link	http://www.slevomat.cz/sleva/636055-jizdy-s-hummerem-na-offroadove-trati
atom:link	
description	<p>Cena: 899 Kč</p><p>Tohle auto není z cukru a snese i drsnější zacházení. Vytáhne vás z každé šlamastyky, a když už si budete myslet, že to nedá, tak to dá. A pak zas a znova.</p> <p>Užijte si na plné pecky legendární vozy Hummer! Díky <a href="http://www.maxcars.cz/hummery" target="_blank">MAX CARS Plus</a> vás čeká pořádná jízda.</p> <p><img src="https://slevomat.sgcdn.cz/images/t/440/27/50/2750789-39b666.jpg" width="440" height="300" data-slevomat-image-id="2750789"></p> <h2>Vyberte si z následující nabídky:</h2> <ul> <li>Jízda v Hummer H1 nebo H2 (15 min)</li> <li>Jízda v Hummer H1 (15 min) + H2 (15 min) – možno

2. Add custom columns (Show help)

Tag: channel

Expression:

Add

No custom columns has been selected.

Continue

1. Row tag: Select repeating tag in XML structure. Check extracted content in the preview on the left.
2. Optionally, you can add custom columns repeatedly: Select items and/or attributes when XML structure is not straightforward.

You can use the xPath syntax for the custom columns definition. For more info proceed to tutorial with example, how custom columns can be set.

Importing from ZIP

Importing data compressed as ZIP archive represents an effective way how to reduce imported file size and also upload times significantly. It can contain the following file formats:

- Plain text (CSV)
- Microsoft Excel (XLS, XLSX)
- XML

Please follow corresponding chapters above to continue importing Microsoft Excel or XML file formats.

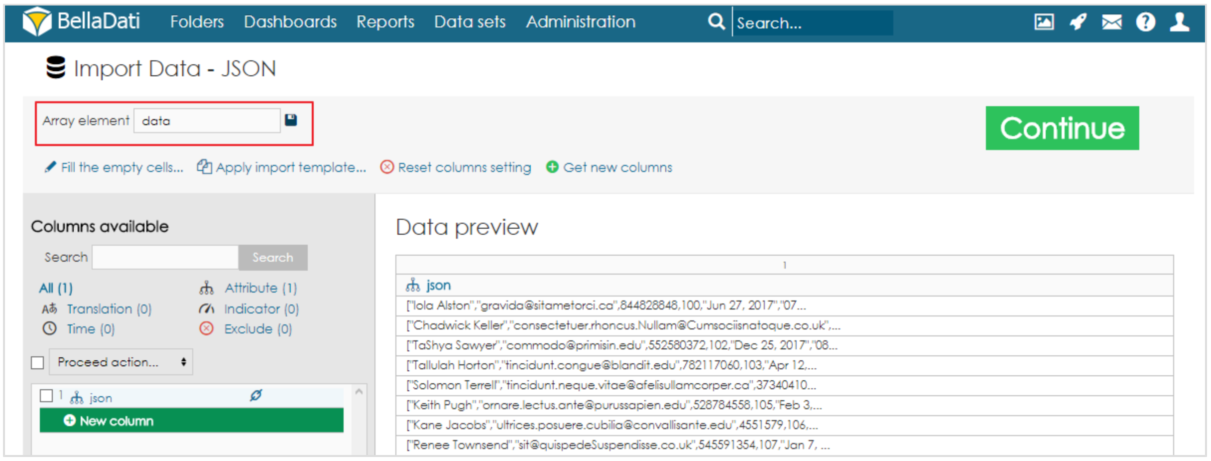
New data set will not be created until the import process will have been successfully completed.

Importing From JSON

Importing from JSON is available since BellaDati 2.9

BellaDati also allows users to import data from JSON file. By using special transformation functions, it is possible to parse JSON arrays and objects.

In some cases, it might be necessary to change Array element to correctly parse the data into rows. This can be done in the import settings.



Array element: data

1
json
["Iola Alston","gravida@sitametorci.ca",844828848,100,"Jun 27, 2017","07...
["Chadwick Keller","consectetuer.rhoncus.Nullam@Cumsociisnatoque.co.uk",...
["TaShya Sawyer","commodo@primisin.edu",552580372,102,"Dec 25, 2017","08...
["Tallulah Horton","tincidunt.congue@blandit.edu",782117060,103,"Apr 12,...
["Solomon Terrell","tincidunt.neque.vitae@afelisullamcorper.ca",37340410...
["Keith Pugh","ornare.lectus.ante@purussapien.edu",528784558,105,"Feb 3,...
["Kane Jacobs","ultrices.posuere.cubilia@convallisante.edu",4551579,106,...
["Renee Townsend","sit@quispedeSuspendisse.co.uk",545591354,107,"Jan 7, ...

After choosing the Array element correctly, it is possible to use the function parseJSON*()* to load the JSON value into a variable and then access the values by using functions getString*(), getInteger(), getDouble()*, etc. to load the values. To access a nested object, users have to use function getJSONObject*()*. To access an array, function *getJSONArray()* is available.

If the Array element is nested into another object, use "," character to separate the Array path.

Examples

Let's have a JSON file with following structure:

To be able to get the values, users need to specify **sales** as Array element.

To get the category, add a new column as an attribute and use following code:

To get the total items, add a new column as an indicator and use following code:

To calculate the total price from all the item prices, use this formula:

Let's have this JSON:

To access value from the JSONArray, use this formula:

Let's have this JSON:

In this case, we need to set "*data*,data" as the Array element.

In order to get the value from the element name, we can use the following transformation script: