Data Extractors Dialog

To access this dialog:

- From the Table Editor or the **Result** tab of the Database, JPA or Hibernate console:
  Click the **Data Extractor** button `Comma-S`, then 🐾 **Configure Extractors**.

- From the Database tool window:
  Right-click the table or view of interest, select **Save To File**, then 🐾 **Configure Extractors**.

Use this dialog to manage data extractors and their settings.

A data extractor is a named set of settings that define how to convert table data into CSV, TSV and other formats.
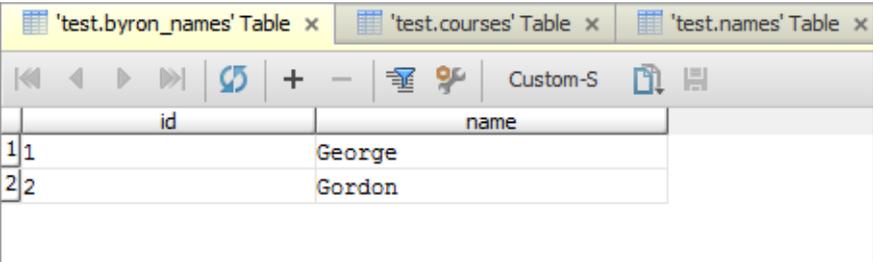
Data extractors are applied when you use the **Copy All To Clipboard** or **Save All To File** command in the Database, JPA or Hibernate console, the Table Editor, or in the Database tool window.

Note that for certain formats (CSV, TSV, HTML and custom formats), it may be useful to define more than one data extractor - each with different settings.

When you select an extractor in the list, you can view and edit the extractor settings in the area to the right.

Use ✚, ➖, ⬆ and ⬇ to create, delete, and reorder the extractors.

- List of data extractors and examples
- Creating, deleting and reordering the extractors
- Extractor settings

Item	Description
List of data extractors and examples	
See an example for: - Comma-separated Values (CSV) - Tab-separated Values (TSV) - HTML Table - SQL Insert Statements - SQL Update Statements - XML - JSON - Custom-separated Values	Initially, each item in the list corresponds to a different target format. Format names are self-explanatory. Below, each of the formats is illustrated with an example. To generate the examples, the following table was used as a source. Where appropriate, the Include columns names option was on, while the Include row numbers option was off.

Item	Description
Comma-separated Values (CSV)	``` id,name 1,George 2,Gordon ```
Tab-separated Values (TSV)	``` id name 1 George 2 Gordon ```

HTML Table	```html
	<!DOCTYPE html>
	<html>
	<head>
	  <title></title>
	</head>
	<body>
	<table border="1" style="border-collapse:collapse">
	<tr><th>id</th><th>name</th></tr>
	
	<tr><td>1</td><td>George</td></tr>
	<tr><td>2</td><td>Gordon</td></tr></table>
	</body>
	</html>
	``

SQL Insert Statements	```sql
	INSERT INTO test.byron_names (id, name) VALUES (1, 'George');
	INSERT INTO test.byron_names (id, name) VALUES (2, 'Gordon');
	``

SQL Update Statements	```sql
	UPDATE test.byron_names SET id = 1, name = 'George' WHERE id = 1;
	UPDATE test.byron_names SET id = 2, name = 'Gordon' WHERE id = 2;
	``

XML	```xml
	<?xml version="1.0" encoding="UTF-8"?>
	<data>
	 <row>
	  <id>1</id>
	  <name>George</name>
	 </row>
	 <row>
	  <id>2</id>
	  <name>Gordon</name>
	 </row>
	</data>
	``

JSON	```json
	[
	 {
	  "id": 1,
	  "name": "George"
	 },
	 {
	  "id": 2,
	  "name": "Gordon"
	 }
	]
	``

Item	Description

Custom-separated Values	`|| id | name ||`
	`|| 1 | George ||`
	`|| 2 | Gordon ||`
	
	When generating this example the following settings were used (\t stands for a tab character, \n - for a new line):
	
	Value separator: \t|\t Line separator: \n
	
	Line prefix: ||\t Line suffix: \t||
	
	Value quotation: " and "
	
	Value quotation policy: As needed
	
	Initially, there are no custom formats. To add one, click ➕ and select **Custom-separated Values**.

Creating, deleting and reordering the extractors

Item	Description
➕ or `Alt+Insert`	Use this icon or shortcut to create a new data extractor. Select the target format from the list that is shown.
➖ or `Alt+Delete`	Use this icon or shortcut to delete the selected extractor or extractors.
⬆ or `Alt+Up`	Use this icon or shortcut to move the selected extractor or extractors one line up in the list. (The order of the extractors in the list corresponds to that of the options in corresponding menus.)
⬇ or `Alt+Down`	Use this icon or shortcut to move the selected extractor or extractors one line down in the list.

Extractor settings

Item	Description
Title	The name of the extractor. Corresponds to the name of the option in corresponding menus.
Include column names	Select this check box if you want the column names to be included.
Include row numbers	Select this check box if you want the row numbers to be included.
Value / line separator	For custom formats: a character or characters to be inserted between the values and at the end of a line (a table row).
Line prefix / suffix	For custom formats: a character or characters to be added at the beginning and the end of a line (a table row). The suffix is inserted before the line separator.
Value quotation	For custom formats: a character or characters to be added before and after a value.

Item	Description
Value quotation policy	For custom formats: specify conditions for value quotation: ■ **Always.** All the values are quoted. ■ **As needed.** A value is quoted only if it contains Unicode whitespace characters and/or value separators.

See Also

Reference:

■ Database Console

■ Hibernate Console Tool Window

■ JPA Console Tool Window

■ Table Editor

■ Database Tool Window

Web Resources:

■ Developer Community ⏎