

EXAMPLE - Extract Keys From Objects

You can extract the keys from an Object column into an Array of String values.

Functions:

Item	Description
KEYS Function	Extracts the key values from an Object data type column and stores them in an array of String values.

Source:

The following dataset contains configuration blocks for individual features, each of which has a different configuration. These example blocks are of Object type.

Tip: In the following example configuration, the **keys** are the values on the left (e.g. `enabled`, `maxRows`, and `maxCols`), while the **values** for those keys are on the right side.

Code formatting has been applied to the Object data to improve legibility.

FeatureName	Configuration
Whiz Widget	<pre>{ "enabled": "true", "maxRows": "1000", "maxCols": "100" }</pre>
Magic Button	<pre>{ "enabled": "false", "startDirectory": "/home", "maxDepth": "15" }</pre>
Happy Path Finder	<pre>{ "enabled": "true" }</pre>

Transformation:

The following transformation extracts the keys from the Object data in the `Configuration` column.

Transformation Name	New formula
Parameter: Formula type	Single row formula
Parameter: Formula	<code>keys(Configuration)</code>
Parameter: New column name	<code>'keys_Configuration'</code>

Results:

The keys_Configuration column contains the arrays of the key values.

FeatureName	Configuration	keys_Configuration
Whiz Widget	<pre>{ "enabled": "true", "maxRows": "1000", "maxCols": "100" }</pre>	<pre>["enabled", "maxRows", "maxCols"]</pre>
Magic Button	<pre>{ "enabled": "false", "startDirectory": "/home", "maxDepth": "15" }</pre>	<pre>["enabled", "startDirectory", "maxDepth"]</pre>
Happy Path Finder	<pre>{ "enabled": "true" }</pre>	<pre>["enabled"]</pre>