

# EXAMPLE - Extract Object Values

This simple example demonstrates how to extract nested values from Object elements into a separate column.

## Source:

For example, suppose your restaurant dataset includes a set of characteristics in the `restFeatures` column in the following JSON format, from which you are interested in the total number of seats in the restaurant.

This example contains the data for a single restaurant, formatted as regular JSON, for simplicity:

```
{
  "Credit": "Y",
  "Accessible": "Y",
  "Restrooms": "Y",
  "EatIn": "Y",
  "ToGo": "N",
  "AlcoholBeer": "Y",
  "AlcoholHard": "N",
  "TotalTables": "10",
  "TotalTableSeats": "36",
  "Counter": "Y",
  "CounterSeats": "8"
}
```

## Transformation:

You can use the following transformation to extract the values from `TotalTableSeats` and `CounterSeats` into separate columns:

**NOTE:** Change the column type to Object before applying the following transformation.

**NOTE:** Each key must be entered on a separate line in the Path to elements area.

|  |                             |
|--|-----------------------------|
| <b>Transformation Name</b>                     | Unnest Objects into columns |
| <b>Parameter: Column</b>                       | restFeatures                |
| <b>Parameter: Paths to elements</b>            | TotalTableSeats             |
| <b>Parameter: Paths to elements</b>            | CounterSeats                |
| <b>Parameter: Include original column name</b> | Selected                    |

## Results:

| restFeatures_TotalTable Seats | restFeatures_CounterSeats |
|-------------------------------|---------------------------|
| 36                            | 8                         |

After converting into separate columns, you can perform a simple sum of the `TotalTableSeats` and `CounterSeats` columns to determine the total number of seats in the restaurant.

The final table looks like the following:

| restFeatures_TotalTable Seats | restFeatures_CounterSeats | TotalSeats_Restaurant |
|-------------------------------|---------------------------|-----------------------|
|-------------------------------|---------------------------|-----------------------|

|    |   |    |
|----|---|----|
| 36 | 8 | 44 |
|----|---|----|