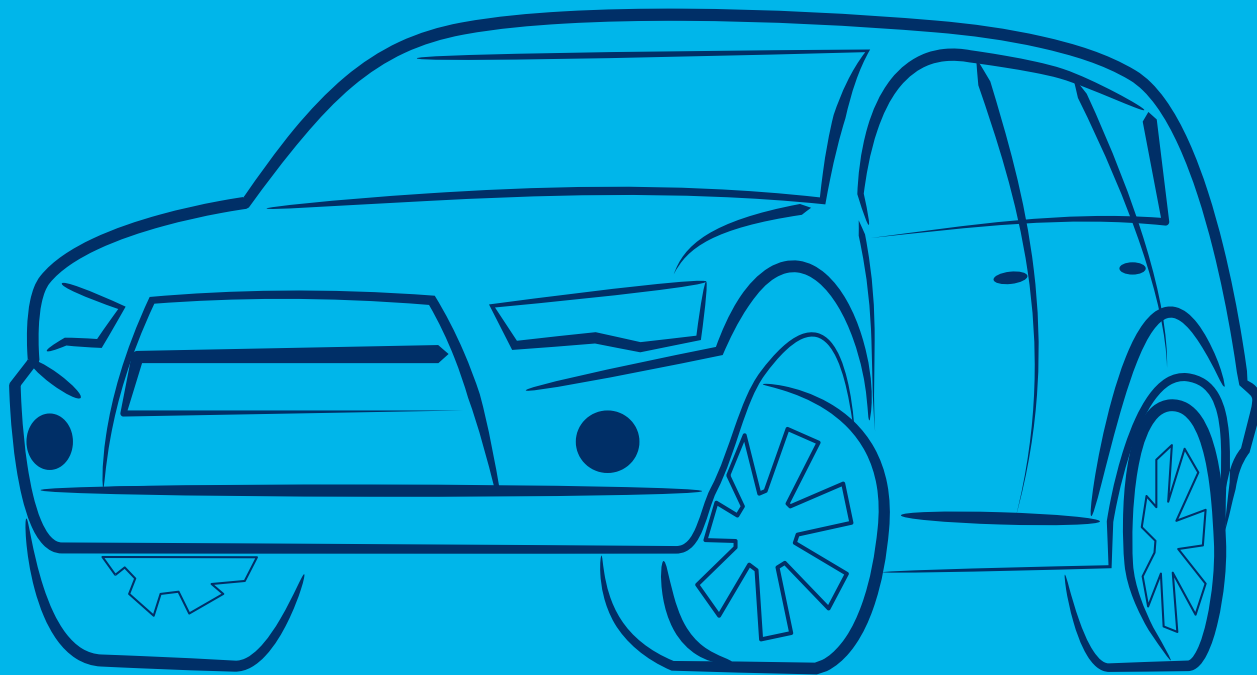


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consumable data.

Product Data Integration



The Problem

To make the supplier data compatible with the existing data structure the following incompatibilities needed to be solved:

- Language
- Format
- Data available

Language

Supplier data's language was different from the data structure it is aimed at being part of, so in order to make that possible certain attributes needed to be translated into English. These attributes included:

- Color
- CarType
- Condition

Format

A large number of the attributes were registered under the same column, so in order to be able to integrate the supplier data into the existing data structure we had to separate those features into different columns.

There were also multiple entries for the same car model which were removed in order to comply with your database structure. This reduced the supplier database's length from 21,906 entries to 1,153.

Data Available

Regarding the availability of data from the supplier there was a number of attributes missing that could not be filled, such as:

- Right/Left Hand Drive
- Currency
- Price on request: Defaulted on False
- Zip

Data Available

There was also some attributes that needed to be transformed in order to fit the existing data structure, such as:

- Mileage unit: Implicit in the supplier data
- Country: Imported from external database based on the City value

We also filled the column 'type' which specifies the type of vehicle with the value 'car' as all the entries referred to car models.

Results

The resulting product data is fully ready to be integrated into your database structure after processing, cleaning and transforming the onboarding supplier's data.

Improvements

The improvements regarding the integration entail obtaining the missing data from the supplier to fully match your database structure. This would include the following attributes:

1. Right/Left Hand Drive
2. Currency
3. Price on request
4. Zip
5. Type

Unused Data

The following attributes were present in the supplier's data and were discarded because they didn't fit the existing data structure but they could be valuable to your business:

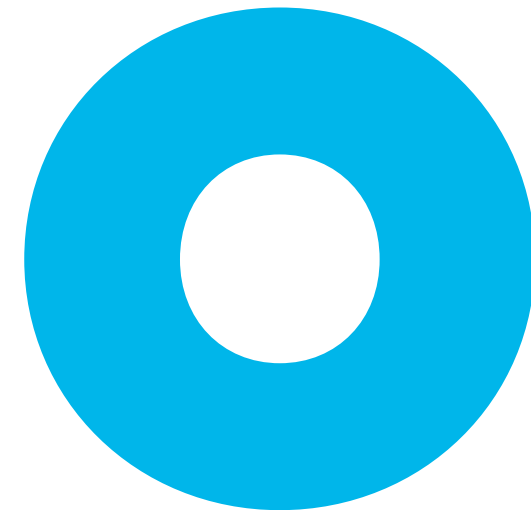
- CCM
- CO2 Emission
- Consumption
- Doors
- Kilómetros
- Transmission Type
- Seats

Final Thoughts

To accomplish the full integration of the supplier's database into your data structure it would be needed for the supplier to provide the missing data, but the present data permits the integration and the crucial information is present and compatible with your database.

As mentioned, we advise that you consider adding some of the attributes present in the supplier data that could not be integrated given their commercial value and the potential sales increase they could bring to your business.





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Questions

