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# Attribute translation tables

## Definition

Soffid provides an easy to use mechanism to translate references or external codes into internal codes. For example, the HHRR application could be using a different coding scheme for business units.

To deal with this data mismatch, users can extend the data model, or can either use translation tables. This screen allows the user to create and maintain such tables. These tables can also be downloaded or uploaded as CSV files, enabling the import of data contained into spreadsheets.

Usage of translation table is bound, but not restricted to, attribute translation expressions, by using trigger scripts, through the use of serverService interface.

Before using the **attribute translation tables**, bear in mind that Soffid offers **attribute expansion** for some objects, or directly allows the creation of new **custom objects** with their own attribute definitions. Analyse which solution best suits your needs. Consult the [metadata](#) screen.

## Screen overview

soffid  
Identity made simple\_

Search in Soffid...

Main Menu > Configuration > Integration engine > Attribute translation tables

Add new Download CSV File Import

× Domain × Column 1 × Column 2 Add criteria

<input type="checkbox"/>	Domain ^	Column 1	Column 2	Column 3	Column 4	Column 5
<input type="checkbox"/>	COUNTRY	ES	Spain	España		
<input type="checkbox"/>	COUNTRY	BE	Belgium	Belgica		
<input type="checkbox"/>	COUNTRY	GB	United Kingdom	Reino Unido		

Displayed rows: 3

Undo Apply changes

## Related objects

- **Metadata** : custom objects are an alternative for storing and updating data
- **Custom scripts** : page to test or use the attribute translation tables

## Standard attributes

- **Domain**: the domain column represents the translation table name.
- **Column 1**: value
- **Column 2**: value
- **Column 3**: value
- **Column 4**: value
- **Column 5**: value

Column 1 to 5 meaning is user defined. Usage of translation table is bound, but not restricted to, attribute translation expressions, through the use of serverService interface.

## Actions

<b>"Query search"</b>	Allows to query groups through different search systems, <a href="#">Quick, Basic and Advanced</a> .
<b>Add new</b>	Allows you to add a new attribute translation table. That option adds a new row on the table to fill in the data. It will be mandatory to apply changes to save the data.
<b>Delete translation</b>	Allows you to remove one or more translations by selecting one or more records and next clicking this button. To perform that action, Soffid will ask you for confirmation, you could confirm or cancel the operation.
<b>Download CSV file</b>	Allows you to download a CSV file with the information of all attribute translation tables.
<b>Import</b>	Allows you to upload a CSV file with the attribute translation table data to add to the system. First, you need to pick up a CSV file, that CSV has to contain a specific configuration. Then you need to check the contents. And finally, you need to select the mappings for each column of the CSV file to import the data correctly and to click the Import button.
<b>Undo</b>	Allows you to undo any changes made.
<b>Apply changes</b>	Allows you to save new attribute translation tables or to save updated attribute translation tables.

# Examples

## Example 1

```

ICentros = serviceLocator.getAttributeTranslationService().findByColumn1("CENTROS", "Madrid");
if (ICentros != null) {
    for (var i = 0; i < ICentros.length; i++) {
        if (ICentros[i] != null) {
            [out.println("** Centro - " + ICentros[i].column1 + " - " + ICentros[i].column2 + " - "
                + ICentros[i].column3 + " - " + ICentros[i].column4);
        }
    }
}

```

## Example 2

```

IServer = serviceLocator.getAttributeTranslationService().findByExample("SERVER_COPIAS", null, null);
if (IServer != null) {
    [out.println("** SERVER_COPIAS - " + IServer);
}

```

```
}
```

## Example 3

```
// Rename translation tables

void rename(String currentDomain, String newDomain) {
    lat = serviceLocator.getAttributeTranslationService().findByExample(currentDomain, null, null);
    for (at : lat) {
        at.domain = newDomain;
        serviceLocator.getAttributeTranslationService().update(at);
        out.println("Renamed: "+at.domain+", "+at.column1+", "+at.column2+", "+at.column3);
    }
}

rename("COUNTRY", "COUNTRY_COMPANY");
rename("TEST", "TEST_COMMAND");
```

## Example 4

```
lt = serviceLocator.getAttributeTranslationService().findByExample("COUNTRY", null, null);
for (var i=0; i<lt.length; i++) {
    var t = lt.get(i);
    out.println(t.column1+" is "+t.column2+" or "+t.column3);
}
```

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Revision #7

Created 19 July 2025 11:47:05 by Sion Vives

Updated 22 September 2025 13:01:07 by Sion Vives