

# TARGIT Enumeration Task

TARGIT Enumeration Task is a custom component for SQL Server Integration Services. The component assists in creating and maintaining simple lookup tables for lists of integer or string values.

## Main task solved

The Enumeration task can contain lists of key/value pairs for values not otherwise available, making it easier to add or change values than having to maintain hardcoded lists in SQL scripts. Each list of key/value pairs is created as a separate table in the database. The table is dropped and re-created every time the task runs.

## Installation

The TARGIT Enumeration component is included in the "TARGIT Custom SSIS Tasks" installation package found in the [TARGIT App & Gauge Store](#) or the Download Center on the TARGIT Portal. After installation, a restart of SQL Server Data Tools and the SSIS project is required for the task(s) to appear in the SSIS toolbox.

## How to use

### Getting started

- In the SSIS package, create an ADO.NET connection manager for the SQL Server database if not already available
- Drag the Enumeration task from the SSIS Toolbox to the package Control Flow
- Double click the task and select the ADO.NET connection created.

### Adding an enumeration list

Right click the listbox on the left and select **Add**. A new element called **New Enumeration** appears. To complete the new item list, assign a useful name and the name of the table to be created. Finally, select whether the key for the item pairs is a number (integer) or a string (nvarchar). Complete the new list by adding as many item pairs as desired.

Enumeration Task Editor

Configure the properties of the Enumeration Task

Connection Manager

Document Type

Name: Document Type

Table: STAGE\_ENUM\_DocumentType

Type: ☒ Number ☐ Text

ID	Value
0	Invoice
1	Credit Note
2	Order
3	Return
4	Receipt

OK Cancel Help

Enumeration Task Editor

Configure the properties of the Enumeration Task

Connection Manager

Document Type  
Sales Entity

Name: Sales Entity

Table: STAGE\_ENUM\_SalesEntity

Type: ☐ Number ☒ Text

ID	Value
A	Item
B	Resource
C	Account
D	Hours
E	Asset

OK Cancel Help

After running the task, each list definition results in a separate table of value pairs in the SQL Server database.

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the 'Server Enterprise' tree is expanded to show the 'dbo' schema. The following tables and their columns are visible:

- dbo.sAccountIndent**: Columns: ID (int, null), Text (nvarchar(100), null)
- dbo.STAGE\_ENUM\_DocumentType**: Columns: ID (int, null), Text (nvarchar(100), null)
- dbo.STAGE\_ENUM\_SalesEntity**: Columns: ID (nvarchar(100), null), Text (nvarchar(100), null)
- dbo.tCreditLimit**
- dbo.tDate**
- dbo.tDimensionValue**

On the right, the 'Results' pane shows two query results. The top result is a table with 5 rows and 2 columns (ID, Text):

ID	Text
0	Invoice
1	Credit Note
2	Order
3	Return
4	Receipt

The bottom result is a table with 5 rows and 2 columns (ID, Text):

ID	Text
A	Item
B	Resource
C	Account
D	Hours
E	Asset



- All TARGIT custom components connect to the SQL Server database using an ADO.NET connection
- In later Data Tools (Visual Studio) versions, check the TargetServerVersion property for the SSIS project if the TARGIT components do not show up in the SSIS Toolbox
- If the TARGIT components are not in the SSIS Toolbox after installation, a trouble shooting article is available (see Related articles)
- The TARGIT custom components are available for SQL Server versions beginning at 2005
- The components are free to use, but only officially supported for active TARGIT customers

## Related articles

- [TARGIT Custom Tasks - Problem solving](#)
- [TARGIT Period Table Task](#)
- [TARGIT Quality Check Task](#)
- [TARGIT Quality Check Transformation](#)
- [TARGIT Enumeration Task](#)