



DB Batch Import data tool

Main functions:

- automatic import of data from any source (TXT, CSV, XLS, XLSX, MDB, ACCDB, SQL) to any db target
- simple definition of the import project setting by import wizard, then import project can be run in batch mode
- connection to source and targeted source by UDL file
- definition of SQL select command for imported and targeted data
- field mapping with support for calculated field
- import data wizard, source and destination fields mapping including calculated values (Trim, Left, Right, Middle, Part, Clean)
- append and/or update data, key field mapping
- multiple result notification (log file, email, sql script execution)
- bat file execution before and after import

How to use it

Create a new configuration (project)

Select tab 1. Configuration selection.

Select or duplicate existing configuration or add a new one.

Define target database

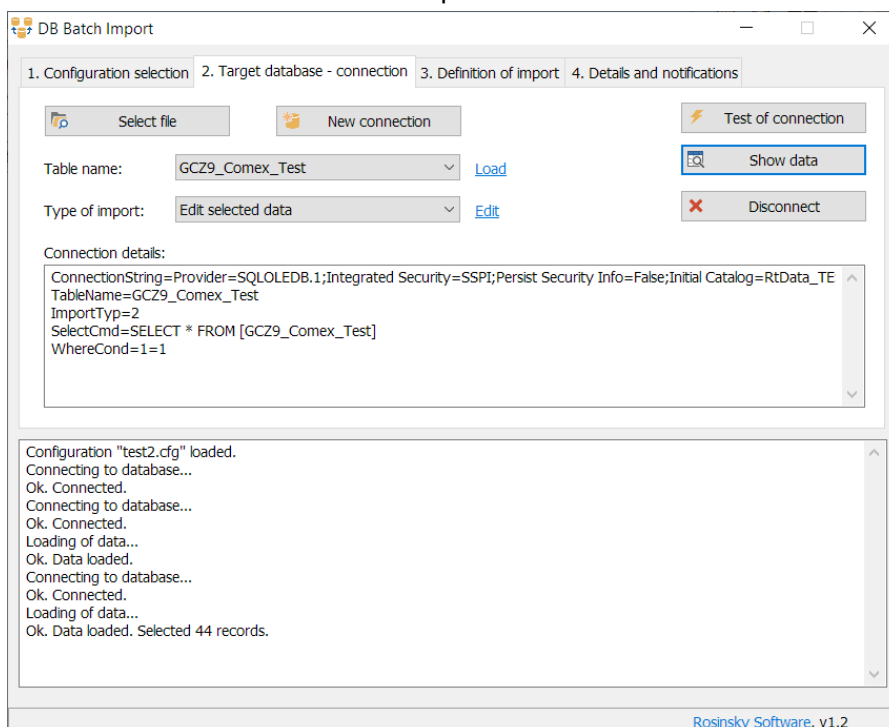
Select tab 2. Target connection

Select any file as target database (XLS, XLSX, MDB, ACCDB) or define a new connection to any SQL database.

Select Target table from the list.

Select Type of import (define scope of records opened in the target database, used only in case of updating of data during import). Edit sql command and condition for the target data.

Test the connection and check opened data.



Import definition

Select tab 3. Definition of import

Click to Setting of import to open import wizard

Select source file (XLS, XLSX, MDB, ACCDB) or define a new connection to any SQL database.

Select Source table from the list.

Edit sql command and condition for the source data, click to Load data to check data for import

Import of records

Select file with data to import (XLS, CSV, TXT, DBF, MDB, or drag and drop to window).
Create [new connection](#) for other types of files or databases (e.g. SQL server)

Source file: RtData_TEST [Select file](#)

Table name: 6AZ9_CME_Test [New connection](#)

Query for data selection: SELECT * FROM [6AZ9_CME_Test] WHERE 1=1 [Load data](#)

ID	TrDay	TrDT	Pr	Num	LDNum	UV	DV
2665	1	04.11.2019 6:13:31	3069,5	155	494	1	
2666	1	04.11.2019 6:13:31	3069,25	156	496	0	
2667	1	04.11.2019 6:13:32	3069,5	157	503	13	
2668	1	04.11.2019 6:13:34	3069,25	158	505	0	
2669	1	04.11.2019 6:13:35	3069,5	159	507	4	
2670	1	04.11.2019 6:13:44	3069,25	160	508	0	
2671	1	04.11.2019 6:13:46	3069,5	161	509	2	

[Export](#) structure of the target table, [Export](#) structure and data of the target table

[Previous](#) [Next](#) [Close](#)

Click to Next

Define a field mapping (links between source and target fields). Define Fixed field values or Calculation for field values

Import of records

Select fields to import including fields to compare for updating
You can limit range of imported data via filter (popup menu)

Destination table:

ID	TrDay	TrDT	P
39	1	04.11.2019 6:09:43	
40	1	04.11.2019 6:10:19	
41	1	04.11.2019 6:10:39	
42	1	04.11.2019 6:11:35	
43	1	04.11.2019 6:12:05	
44	1	04.11.2019 6:12:20	

Table with data to import: [Filter: set, reset](#)

ID	TrDay	TrDT	P
2665	1	04.11.2019 6:13:31	
2666	1	04.11.2019 6:13:31	
2667	1	04.11.2019 6:13:32	
2668	1	04.11.2019 6:13:34	
2669	1	04.11.2019 6:13:35	
2670	1	04.11.2019 6:13:44	

Fields to import Type of import

Selection of fields to import:

Destination field: Import from field:

ID	
TrDay	TrDay
TrDT	TrDT
Pr	Pr
Num	Num

[Clear all, Move items down, up](#)

Fixed field values Calculation

Field Name = Value

☒ Use for new records only

[Previous](#) [Next](#) [Close](#)

Define Type of import, define a field mapping for location of the records for update.

Import of records

Select fields to import including fields to compare for updating
You can limit range of imported data via filter (popup menu)

Destination table:

ID	TrDay	TrDT	P
39	1	04.11.2019 6:09:43	
40	1	04.11.2019 6:10:19	
41	1	04.11.2019 6:10:39	
42	1	04.11.2019 6:11:35	
43	1	04.11.2019 6:12:05	
44	1	04.11.2019 6:12:20	

Table with data to import: Filter: [set](#), [reset](#)

ID	TrDay	TrDT	P
2665	1	04.11.2019 6:13:31	
2666	1	04.11.2019 6:13:31	
2667	1	04.11.2019 6:13:32	
2668	1	04.11.2019 6:13:34	
2669	1	04.11.2019 6:13:35	
2670	1	04.11.2019 6:13:44	

Fields to import: Type of import

Type of import:

☐ Add all records

☐ Update found records

☒ Update found records and add others

☐ Only add not found records

Fields to compare for updating:

Destination field:	Importing field:
ID	ID
TrDay	
TrDT	
Pr	
Num	
LDNum	
UV	
DV	

Previous Next Close

Click to Next

Data is checked and expected results are shown.

Import of records

Check expecting results and run the import

Expecting result of import:

Total number of records to import:	2676
Expecting number of added records:	2632
Number of updated records:	44
Number of skipped records:	0

[Show checkup detail](#)

Warning. There is no undo function after import.
It is recommended to create backup of data before import.

☐ Create database backup before import

Run import

Save import settings

Previous Next Close

Click to Save import setting to store all setting to the project.

Click to Run import to test importing.

Result notification setting

Select tab 4. Details and notifications

Define log content level, SQL commands, BAT files and Email notifications according your needs.

DB Batch Import

1. Configuration selection 2. Target database - connection 3. Definition of import 4. Details and notifications

Logging and SQL statements BAT files Email notification

Content of TXT log:

- ☒ Information
- ☒ Results
- ☒ Warning
- ☒ Errors

SQL statements before running: [Test](#)

```
INSERT INTO ImportLog (ImportDate, CfgName, RecTotal, RecAdd, RecEdit, RecErr)
VALUES (GetDate(), '<<Cfg>>', <<Total>>, <<Add>>, <<Edit>>, <<Error>>)
```

SQL statements after completion:

```
INSERT INTO ImportLog (ImportDate, CfgName, RecTotal, RecAdd, RecEdit, RecErr)
VALUES (GetDate(), '<<Cfg>>', <<Total>>, <<Add>>, <<Edit>>, <<Error>>)
```

The commands will be run for the target database. Use the GO line to separate multiple commands. You can use <<TAG>> to enter the configuration name and number of entries, where TAG can be: Cfg, Total, Add, Edit, Skip, Error, Warning

Configuration "test2.cfg" loaded.
Connecting to database...
Ok. Connected.
Connecting to database...
Ok. Connected.
Loading of data...
Ok. Data loaded.
Connecting to database...
Ok. Connected.
Loading of data...
Ok. Data loaded. Selected 44 records.

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All settings are stored to the selected configuration file which can be used, modified or duplicated later.

Run import automatically

Stored setting can be selected and run manually.

For automatic execution of the import after application start a command parameters can be used:

- /autorun
- /cfg=configuration_name

Author:

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