

# Migration Helper

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## History

Version	Date	Created / Edit by
1.2.0	2019-04-07	A. Pouwels

## General

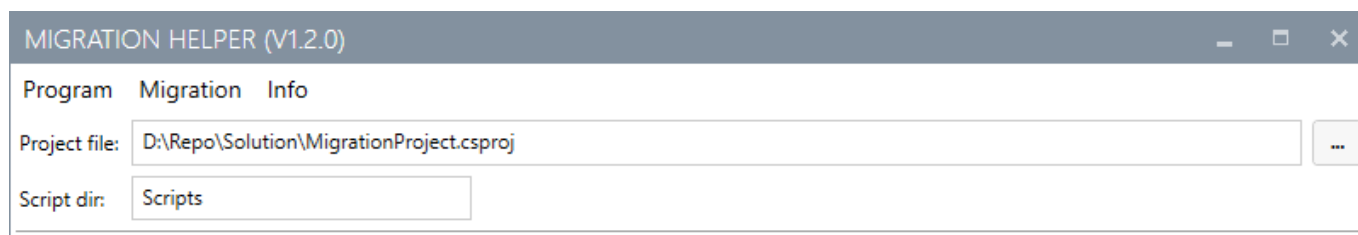
The *Migration Helper* is a small tool to create migration script for projects which uses the migration project [dbup](#).

## Usage

### First use

When you start the migration helper for the first time, some settings have to be made:

1. **Project file:** Add the path of the migration project file.
2. **Script dir:** Add the name of the script directory (if you don't have a separate directory for the scripts, leave the field blank).



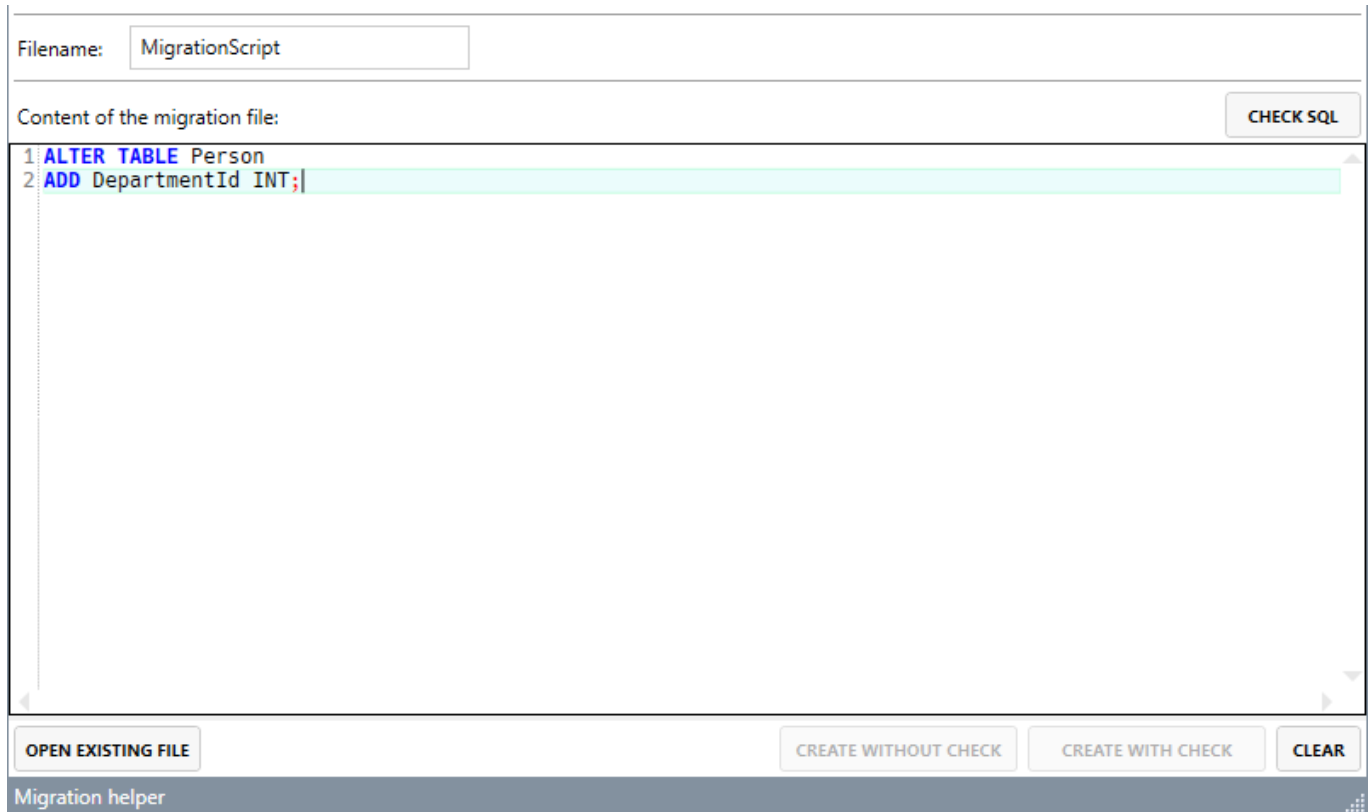
MIGRATION HELPER (V1.2.0)

Program Migration Info

Project file: D:\Repo\Solution\MigrationProject.csproj

Script dir: Scripts

### Create migration script



The screenshot shows a web-based interface for creating or editing a migration script. At the top, there is a text input field labeled 'Filename:' containing the text 'MigrationScript'. Below this is a large text area labeled 'Content of the migration file:'. Inside this area, the following SQL code is entered: `1 ALTER TABLE Person` on the first line and `2 ADD DepartmentId INT;` on the second line. The second line is highlighted with a light green background. To the right of the text area is a button labeled 'CHECK SQL'. At the bottom of the interface, there are four buttons: 'OPEN EXISTING FILE', 'CREATE WITHOUT CHECK', 'CREATE WITH CHECK', and 'CLEAR'. The bottom-most bar of the interface is labeled 'Migration helper' on the left and has a small icon of dots on the right.

1. Add the name of the migration script (*Filename*)
2. Add the sql query or use an existing script file (*Open existing file*)

Now you have the following three options:

1. **Check sql:** Parses the sql script and checks it for errors (this method uses the MS SQL parser)
2. **Create without check:** Creates the migration script without a check for errors.
3. **Create with check:** Checks the script for errors. If the script doesn't contain any errors, the migration script will be create.
4. **Clear:** Clears the filename and the editor.

## Analyze errors

If your script contains errors they will be shown under the editor:

MIGRATION HELPER (V1.2.0)

Program

Migration

Info

Project file:

D:\Repo\Solution\MigrationProject.csproj

...

Script dir:

Scripts

Filename:

MigrationScript

Content of the migration file:

CHECK SQL

1 ALTER TABLE Person

2 ADD DepartmentId;

The SQL contains one ore more errors. Please check your script.  
Note: You can save the script anyway if you want.

MESSAGE	LINE	COLUMN
The definition for column 'DepartmentId' must include a data type.	2	5

OPEN EXISTING FILE

CREATE WITHOUT CHECK

CREATE WITH CHECK

CLEAR

Migration helper

You can perform a double click on the error and the cursor in the editor will jump to the desired position.