

How to Create Migration Scripts in The TradingStation DB.

1. Create a folder */Services/DataBaseService/Utils/MigrationScripts/FolderName*, where *FolderName* represents specialties of the current migration. For example, "03.2020" means "March migration".
2. Edit the "Location": "MigrationScripts" field in the */Services/DataBaseService/appsettings.json* to make it point to the current migration folder. If needed, backup the previous string to a new field with a different name. Important: the Engine reads the "MigrationScripts" field only. By default, the root of the path is the *DataBaseService* folder. Example: "Utils\\MigrationScripts\\03.2020".
3. Check if *ConnectionStrings* are correct. Especially, the server name must correspond to your machine's one.
4. Begin creating *id_Name.sql* scripts in the folder. Prefix indexing (01...n) is important since the Engine reads files one by one in the default sort order – by filename. The Name must be unique and represent the content of the script. PascalCase.
5. Writing scripts:
 - 5.1. It is recommended to use MS SSMStudio to write scripts since it has built-in IntelliSense. If you see something marked by IntelliSense as incorrect, but you are sure everything is fine, try "Ctrl + Shift + R" to refresh it.
 - 5.2. The DB used by default is *TradingStation*, which surely exists – see *MigrationEngine.cs* code for more info. You don't need to write "USE [DBname]" until you need to change the DB you work with.
 - 5.3. It is recommended to create one script for one task. For example, do not write several "CREATE TABLE" commands in one .sql file.
 - 5.4. The scheme used by the DB is [dbo].
 - 5.5. Creations, altering, stored procedures and so on are allowed. Make sure to initialize the table or the procedure before using (in other words, let its script filename have smaller id).
 - 5.6. It is important to wrap table, procedure, DB names into the "[...]" square brackets. Otherwise, scripts may fail for some reason.
 - 5.7. It is recommended to write easy-to-read scripts with alignment and indentation. Please note: all the executed code is stored in the [ExecutedScripts] table for a future investigation when needed.
6. All the scripts in the specified (step 2) folder will be executed on the next *DataBaseService* (or the solution) startup.