# DBStudioLite

## Introduction

* DBStudioLite is the open source lightweight (< 5 MB if you have .NET runtime already) database management and query organizer tool.
* This tool currently supports managing SQL Server databases, JSON, and XML files.
* DBStudioLite populates the schema objects faster and provides easy to use UI to filter the objects.
* The developers can switch between multiple databases and can run the commands against different databases easily. This is especially useful when the developers manage databases in different environments and multi-tenant databases where the schema of these databases would be similar.
* The developers can save the repeatedly used code snippets within the tool and use a single click to execute multiple commands at the same time.
* DBStudioLite uses the ScintillaNet library to provide the code formatting and editing features. It supports rich ‘Find and Replace’ options and incremental search (shortcut Ctrl + I) options.
* DBStudioLite uses ClosedXML and OpenXml frameworks to provide export to excel features. So MS Office license is not required for export functionality. Users can use any Xlsx viewer/editor.

## Further improvements/Work in progress

* DBStudioLite can be automated to generate the data access layer code from the templates.
* DBStudioLite can be expanded to support different databases like Oracle, MySQL, MongoDB, Redis, etc.
* Check the project page for other ongoing feature implementations.

## Dependencies

* This tool runs using .NET 4.8 runtime engine. If the runtime is not installed, it will be automatically downloaded during the DBStudioLite installation.

## Databases connectivity

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, table

Description automatically generated

Graphical user interface, table

Description automatically generated with medium confidence

Graphical user interface, text

Description automatically generated

## SQL Editor

Graphical user interface, text, application

Description automatically generated

## JSON Editor

Table

Description automatically generated

## XML Editor

Table

Description automatically generated