

**DME API. Live Search in Two Tables Demo**

October 2018

Document revision: 1.4

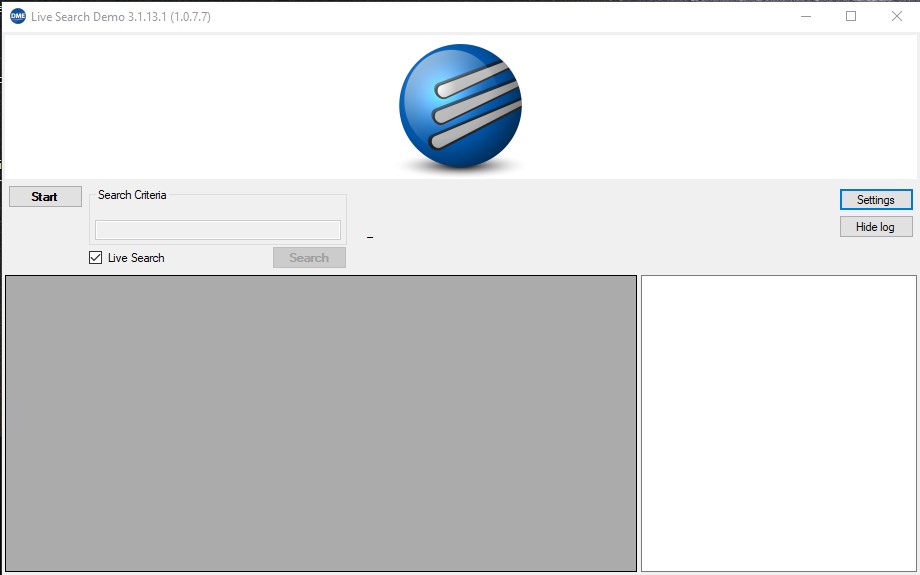
Software version: 3.1.13.1 (1.0.7.7)

‘Live Search Two Tables’ is the example of a standalone application which works with DME’s API. This application collects and joins results from few independent data sources.

This example can work with simple match definitions or with definitions with **cross column and group search** advanced options.

Installation

User should unpack ‘LiveSearchTwoTables’ zip file before start working with application. Application will open by click on *‘LiveSearchTwoTables.exe’*



Preconditions

There are some restrictions that must be executed:

1. Get API registration key from *DataLadder Sales Team*.
2. Register this key in *Datamatch Enterprise* (**DME version should not be less than 3.1.7**)
3. Restart API application
4. Create a project in *Datamatch Enterprise*.

The Match Configuration Tab Settings do not affect the results of Live Search

Add a definition(s). Definition could contain few criteria with/without advanced options.   
Save the project.   
Close the project. If the project is open in the DME, we will not be able to work with it in ‘Live Search Two Tables’

Note: No need to run matching in DME.

System Requirements

Application uses API libraries in the mode that consumes memory and decreases searching time. It requires a lot of RAM.

For example, for processing data sources with 20 … 100 million records, computer must have 32… 128 Gb RAM.

Approximate system requirements are shown in the table bellow

|  |  |  |
| --- | --- | --- |
| Quantity of records in a bigger data source | Minimum requirements | Recommend requirements |
| Less 10 millions | RAM: 16 Gb  OS: 64 bit | RAM: 32 Gb  OS: 64 bit |
| 20 .. 100 millions | RAM: 64 Gb  OS: 64 bit | RAM: 128 Gb  OS: 64 bit |

Note: If ‘SystemOutOfMemoryException’ critical error happens while the application is running, it means that memory is not enough

Settings

* First start of the application:
* Press ‘Settings’ button
* Click ‘Choose project file’ and select the DME project from pre-conditions step
* Close window

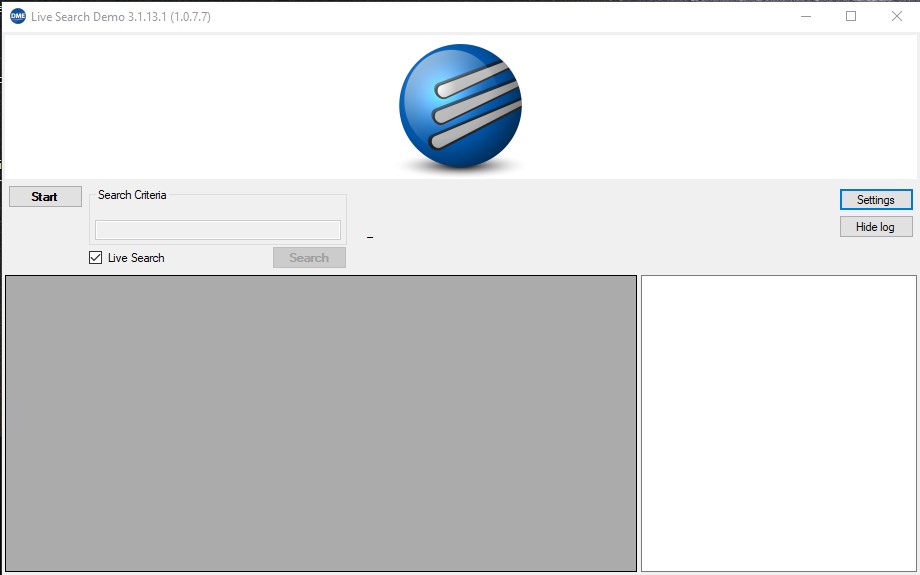
Note: If user is going to work with these projects in a future, no need to set up above settings. They would be automatically taken.

There are path settings in the bottom part of the window. During first attempt, path settings are loaded from DME settings. If user wants use different folders for API and DME it can be done by changing paths in the text boxes and pressing ‘Save paths’ button.

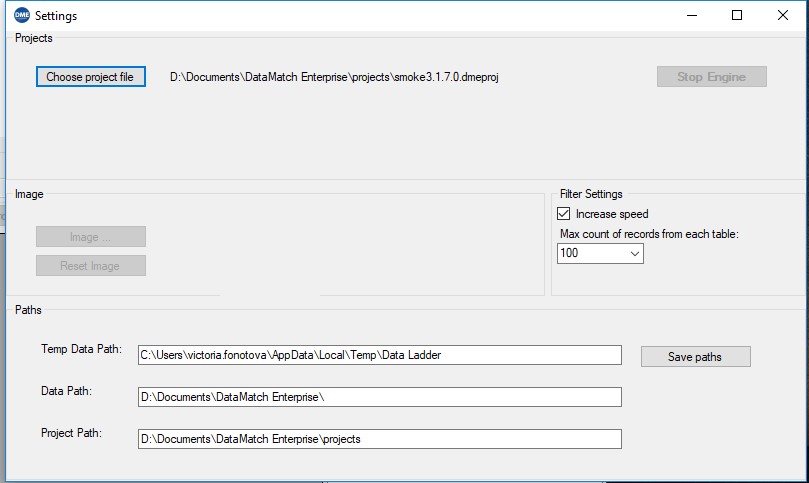
How it use

When all settings are done, User can start working with application.

1. Press *Start* button. Loading message will appear in the right side of the window.
2. The Search Criteria text box will be active after finishing of loading. ”Load finished successfully”
3. User can enter a searched word in Search Criteria field This word will be matched with fields that are chosen in the DME projects Definition.
4. User will get joined results from project in the result window



Start the in ‘Live Search Two Tables’



Settings ‘Live Search Two Tables’

