

Guide

DataMatch Enterprise Server + API Load Existing Project



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Loading Existing Project

This example is the simplest console application demonstrating API functionality. It loads some DME project from hardcoded path, performs transformation, matching and exports results to DB table defined by hardcoded connection string.

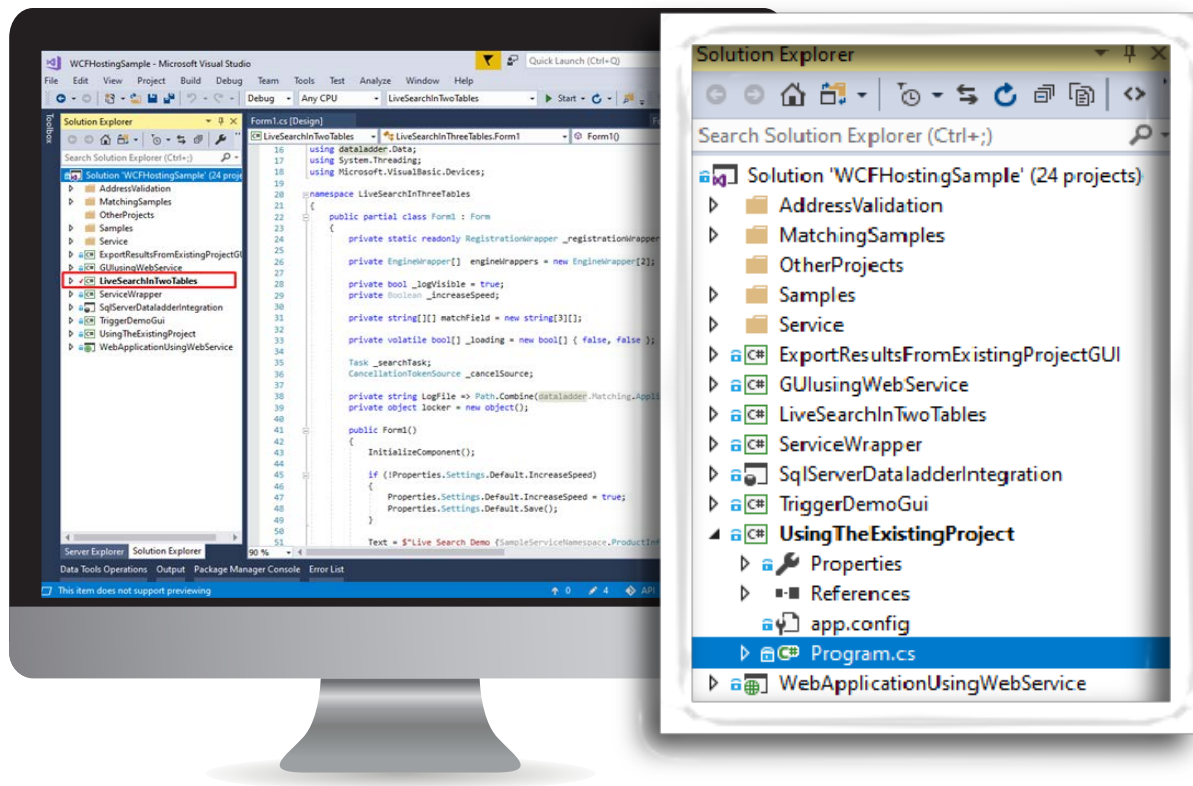


Fig.1. The project "UseTheExistingProject" in Sample solution .

All settings of this project are hardcoded in file "Program.cs". They are shown on the Fig.2. Please check them correctness and modify if it's needed.

This example can execute any project. In the API folder "Projects" the two sample projects are present: ApiExamplesCsv.dmeproj and ApiExamplesExcel.dmeproj. They use data source samples that present in the folder "Sources".

Of course, projects prepared in Datamatch Enterprise can be used also.

```
class Program
{
    Fields

    static void Main(string[] args)
    {
        RegistrationWrapper registrationWrapper = new RegistrationWrapper();
        registrationWrapper.CustomPathForRegistrationFile = @"D:\API\registration\";
        DateTime expirationTime = RegistrationWrapper.ExpirationDate;
        Console.WriteLine("Expiration time: " + expirationTime);

        dataladder.Matching.ApplicationSettings.DataPath = @"D:\API\data\";
        dataladder.Matching.ApplicationSettings.TempDataPath = @"D:\API\temp\";

        ProjectInfo projectInfo = new ProjectInfo();
        //projectInfo.Load(@"D:\API\projects\ApiExampleCsv.dmeproj");
        projectInfo.Load(@"D:\API\projects\ApiExampleExcel.dmeproj");

        Console.WriteLine("project: \" + projectInfo.ProjectName + "\" loaded.");

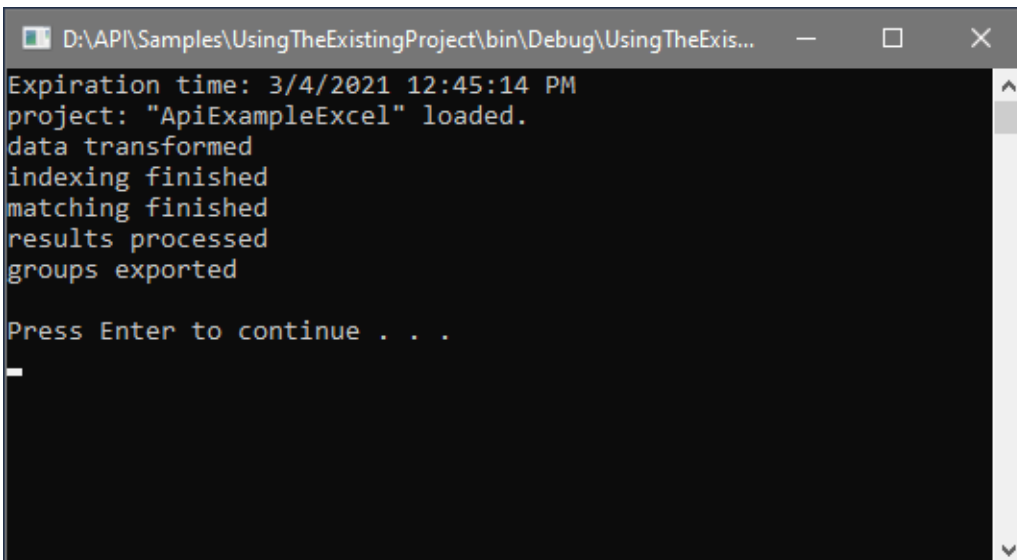
        projectInfo.RunTransformation();
        Console.WriteLine("data transformed");
        projectInfo.MatchEngine.DoIndex();
        Console.WriteLine("indexing finished");
        projectInfo.MatchEngine.DoMatch();
        Console.WriteLine("matching finished");
        projectInfo.MatchEngine.ProcessFinalResults();
        Console.WriteLine("results processed");

        string connectionString = @"Data Source=localhost\SQLEXPRESS;Initial Catalog=API;Integrated Security=True";
        try
        {
            SqlDbHelper sqlDbHelper = new SqlDbHelper(connectionString);
            string exportTableName = projectInfo.ProjectName + " results";

```

Fig.2. Settings that should be checked.

Build and start the project. Output is shown on the Fig.3.



```
D:\API\Samples\UsingTheExistingProject\bin\Debug\UsingTheExis...
Expiration time: 3/4/2021 12:45:14 PM
project: "ApiExampleExcel" loaded.
data transformed
indexing finished
matching finished
results processed
groups exported
Press Enter to continue . . .

```

Fig.3. Output of UsingTheExistingProject project.

ABOUT US

Data Ladder is a data quality software company dedicated to helping business users get the most out of their data through data matching, profiling, deduplication, and enrichment tools. Whether it's matching millions of records through our fuzzy matching algorithms, or transforming complex product data through semantic technology, Data Ladder's data quality tools provide a superior level of service unmatched in the industry.

DataMatch Enterprise, was proven to find approximately 5-12% more matches than leading software companies IBM and SAS in 15 different studies.

- Unparalleled Matching Accuracy and Speed For Enterprise Level Data.
- Cleansing beating IBM and SAS.
- Proprietary Matching Algorithms with a high level of matching accuracy at blazing fast speeds on Desktop/Laptop Hardware.
- Big Data Capability with data sets up to 100 Million Records.
- Deduplication and Merge Purge within and across any number of files.
- Suppression of existing customers or Do Not Contact from marketing lists.
- Advanced record linking technology to create data warehouses.
- Quick Data Profile tool finds and fixes Data Quality issues within the first 5 minutes of setup to improve match quality.

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