



DME API. GUI Using Web Service

GUI Using Web Service

Execute 'SelfHostConsole' application before running 'GUI Using Web Service' example. It will start a host for WCF Service that interacts with API.

'SelfHostConsole' project contains **App.config** file where you can define custom bindings. By default, base address is: <http://localhost/SelfHostedServiceConsole>. The same address should be declared as URL of ServiceClient in the **ServiceClient.cs** file for the first project (GUIusingWebService).

```
48      /// <remarks/>
      1 reference
49      public SampleService() {
50          this.Url = "http://localhost/SelfHostedServiceConsole";
51      }
52  }
```

SelfHostConsole project requires special configuration. First, ensure that the output directory (bin\Debug or bin\Release) contains all required DLLs (see table 1, Data Match Enterprise API (SDK) document). **WebService.ini** file should be present in this folder with the next configuration (values of variables should be changed according to your system configuration):

[AppSettings] (except connection string all other values are mandatory)
connectionstring=Server=[SERVER];Database=[DATABASE];Trusted_Connection=True;

pathForRegistrationFile=C:\ProgramData\DataMatch Enterprise\Registration\
projectsPath=c:\Users\user.name\Documents\DataMatch Enterprise\projects
dataPath=D:\enterprise\API persistent
tempDataPath=D:\enterprise\API temp

[PkFieldName] (mandatory if insert/update/delete is performed on the database table)

Example1=ID
Companies1M=ID
s2tech=SSN
ttt3=fullname
test=fullname

[RAM MB per project] (mandatory for all DME projects used by service, integer value is in kB)

! Note: If system's free memory is less than value service uses, system returns a message about this. It continues working after the memory is available again.

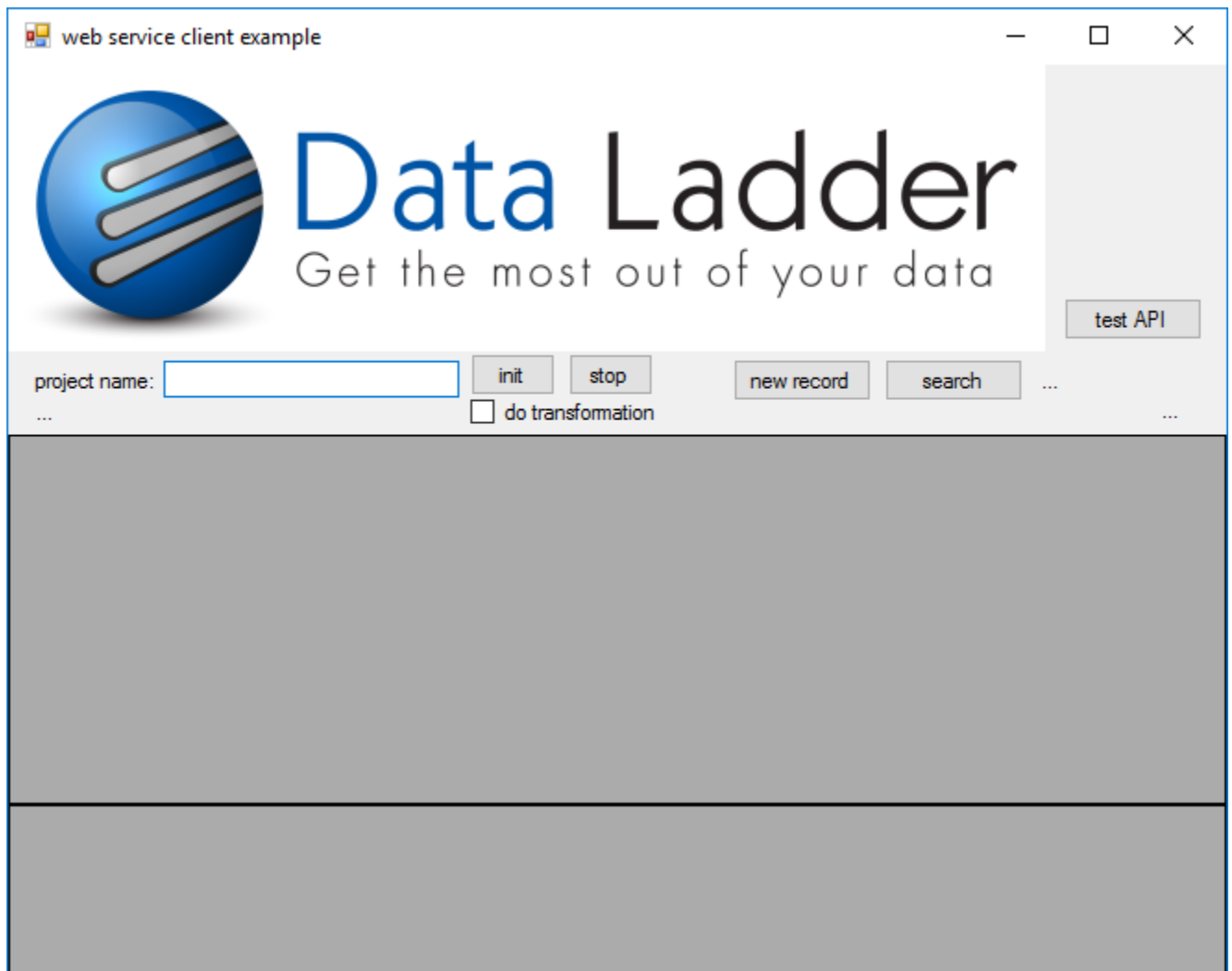
business_names=1024
person_names=2048
DCSFMatch_API=4096
ttt3=2048
test=2048

[RAM MB] (both mandatory)

AllInMemory=true - for now should always be true
minFree=4096 - won't start if this amount in kB is not available.

It might be necessary to grant network privileges for WCF Service. For these purposes you can use windows command file placed in 'elevate rights for the web service' folder. You can edit **run.bat** file according to your system configuration.

After running the application you'll see the following screen:



Project Name from DME directory with projects (webservice.ini file, `projectsPath` section) should be defined in 'Project Name' text box. `[PkFieldName]` section contains a field for a project by which you want to search in opened project.

Click "new record" button to add a field where you can define text to search. Then enter the text to search and click "search" button. You'll see search results in the tabular format:



test API

response time: 00:00:00.0447941 3 records found

☐ do transformation

<div> <div>▶</div> <div> <div>fullname</div> <div>MIKE SAWALL</div> <div>TOD FRIEDRICH</div> </div> </div>										
▶	1	0	35	0	100	100	100	True	MIKE SAWALL	HELIC
	2	0	57	1	100	100	100	True	TOD FRIEDRICH	THIEL
	3	0	8	1	94.28846157493...	94.28846157493...	94.28846157493...	True	TODD FRIEDRICH	THIEL