

Running StADOSvr.exe as a Service

Introduction

This document intends to clarify the steps needed on executing InduSoft Database Gateway (StADOSvr.exe) as a Service on workstation where InduSoft Web Studio is not installed or running.

The procedure here described is not the only solution available, although is one verified by InduSoft.

Notice that InduSoft Database Gateway (StADOSvr.exe) is executed automatically with the default settings which makes it run on the local machine. And if the InduSoft project is configured to run as a Service, the Gateway will also run as a Service together with the complete project (locally) and therefore the procedure here described would not apply.

Also notice that InduSoft Gateway can access remote Database Servers even running on the local machine where the application is running. For such case, this procedure does not apply as well.

Initial Considerations

Besides InduSoft tools all external software kits here related are available free of charge and easily found on internet. The source websites are listed at the end of this document.

During this process, some entries of the original system registry will be changed. Therefore, make sure you have full administration privileges. It is also strongly recommended that the user creates a backup of the current registry in case something goes wrong.

Running StADOSvr.exe as a Service

The steps described below will guide users to configure and run the InduSoft Database Gateway (StADOSvr.exe) as a Service.

1. From a workstation with InduSoft Web Studio installed, copy the following files from the BIN folder of the installation directory (e.g. *C:\Program Files\InduSoft Web Studio v7.0\BIN*):
 - StADOSvr.exe
 - StADOSvr.ini

2. Create a folder on the root C:\ of the workstation where the Database Gateway is desired to run called "Gateway" ("C:\Gateway\") and paste the two files listed above onto this new local folder;

3. Download the SRVSTART tool available under the following link:

http://www.indusoft.com/support/srvstart_run.v110.zip

4. Extract the content of the file "srvstart_run.v110.zip" to the Windows directory (C:\Windows\)\ of the station where the Gateway is going to be executed.

NOTE: Copying the files to the Windows directory avoids any potential reference issue;

5. A configuration file has to be generated which will be read by the SrvStart tool to launch the StADOSvr.exe application. In this matter, we are going to create a file on the root C: called "GatewayService.ini";
6. Open the file just created ("C:\GatewayService.ini") and enter with the following two lines on it:

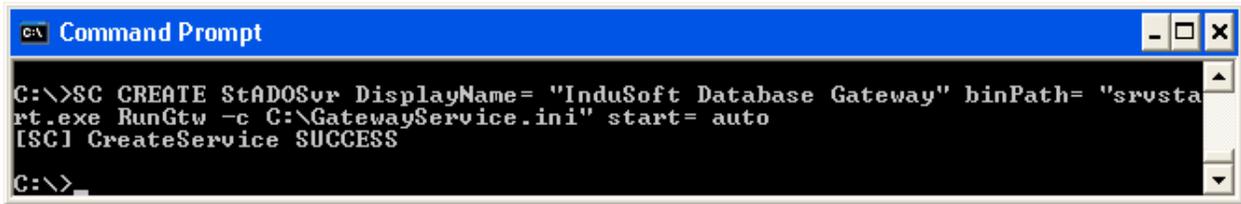
```
[RunGtw]
startup=C:\Gateway\StADOSvr.exe
```



NOTE: make sure the StADOSvr.exe is stored on the C:\Gateway directory.

7. Save and close it;
8. Now, open Windows command prompt ("CMD.exe"), type and execute the following line on it:

```
SC CREATE StADOSvr DisplayName= "InduSoft Database Gateway" binPath= "srvstart.exe RunGtw -c C:\GatewayService.ini" start= auto
```



```
C:\>SC CREATE StADOSvr DisplayName= "InduSoft Database Gateway" binPath= "srvtart.exe RunGtw -c C:\GatewayService.ini" start= auto
[SC] CreateService SUCCESS
C:\>
```

9. If the command returns a "SUCCESS" message, the service has been created and can be found on Windows Services (*Control Panel >> Administrative Tools >> Services*).

NOTE: Should the command returns an error, try to remove and re-type the double quotes. This problem is common when the line is copied and pasted on CMD. If this happens, simply retyping the quotes might fix.

10. To start the service, simply re-start the computer or manually start it going to *Control Panel >> Administrative Tools >> Services*. Then, select the service *InduSoft Database Gateway* from the list;



11. Right click on it and click on "Start".

TIP: In order to make InduSoft Database Gateway (*StADOSvr.exe*) close silently, for instance, when stopping the service or shutting down the computer, open the file "*StADOSvr.INI*" available on the same folder of the Executable file and add the following entries:

```
[Options]
DisableCloseQuestion=1
```

In this matter, the process will be closed without any interaction with the user. If this entry is not added to the INI file, a dialog box will be popped-up requesting the user confirmation.

Final Considerations

The procedure here described installs InduSoft Database Gateway (StADOSvr.exe) to run as a Windows Service. It has been successfully executed on three different Microsoft systems including Windows XP, Windows Server 2003 and Windows 7 (32 and 64 bit).

Although different tools are available on the market in the same matter, the one used is also described, with another purpose and example, on the source website below:

<http://www.howtogeek.com/50786/using-srvstart-to-run-any-application-as-a-windows-service/>

Map of Revision

Revision	Author	Date	Comments
A	Ricardo Marroni	December 21, 2011	▪ Document creation