
Firebird Embedded Installation Procedure --- (Visual Studio 2019, C#)

2-Dec-2019

- 1) [install FirebirdSql.Data.FirebirdClient]
VS → (right click) References → Manage NuGet Packages → Browse "firebird" → (select) FirebirdSql.Data.FirebirdClient → Install.
- 2) [identify the .NET Framework used by Firebird]
<https://www.nuget.org/packages/FirebirdSql.Data.FirebirdClient> → Dependencies → .NET Framework 4.5.2 (over time could be upgraded to new revs).
- 3) [set correct .NET Framework in VS]
VS → (right click) Properties → Open → Application (left side) → Target framework (combo box) → (select) .NET Framework 4.5.2 (to match Firebird number).
- 4) [set Visual Studio to 64 bit]
VS → (right click) Properties → Open → Build (left side) → General → Platform Target: x64.
- 5) [download Firebird zip file, 64 bit]
<https://firebirdsql.org/en/firebird-3-0/#Win64> → 64-bit Kits → Firebird-3.0.4.33054-0_x64.zip → Unzip → place in a personal folder the following:

```
fb\fbclient.dll
fb\icudt52.dll
fb\icudt52l.dat
fb\icuin52.dll
fb\icuc52.dll
fb\intl\fbintl.conf
fb\intl\fbintl.dll
fb\plugins\engine12.dll
fb\plugins\fbtrace.dll
fb\plugins\legacy_auth.dll
fb\plugins\legacy_usermanager.dll
fb\plugins\srp.dll
fb\plugins\ludr_engine.conf
fb\plugins\ludr_engine.dll
```

(This list can be found at https://www.lawinegevaar.nl/firebird/jaybird_embedded_example.html):

- 6) [add to .cs code]

```
using FirebirdSql.Data.FirebirdClient;

string stConn = new FbConnectionStringBuilder {
    Database = stPathFilename,
    UserID = stUserID,
    Password = stPassword,
    ServerType = FbServerType.Embedded,
    ClientLibrary = @"(path)\fbclient.dll"
}.ToString();
```
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