Installing Firebird 3.0
## Framework NET Genium

Content

1 Firebird database server installation

1.1 Download the installer

👆 Download the Firebird 3.0 database server installer, which can be found on its official website http://www.firebirdsql.org/en/downloads/ under the "Server Packages" category. There are several variants to choose from for 32-bit and 64-bit systems.

👆 Download the "Windows executable installer, recommended for first-time users" variant according to your system.

❶ *This guide covers installing Firebird version 3.0.4. in the SuperServer version.*

1.2 Firebird installation

👆 After running the installer, you may be asked by the system if you want to allow the installer to make changes to your computer – select **"Yes"**.
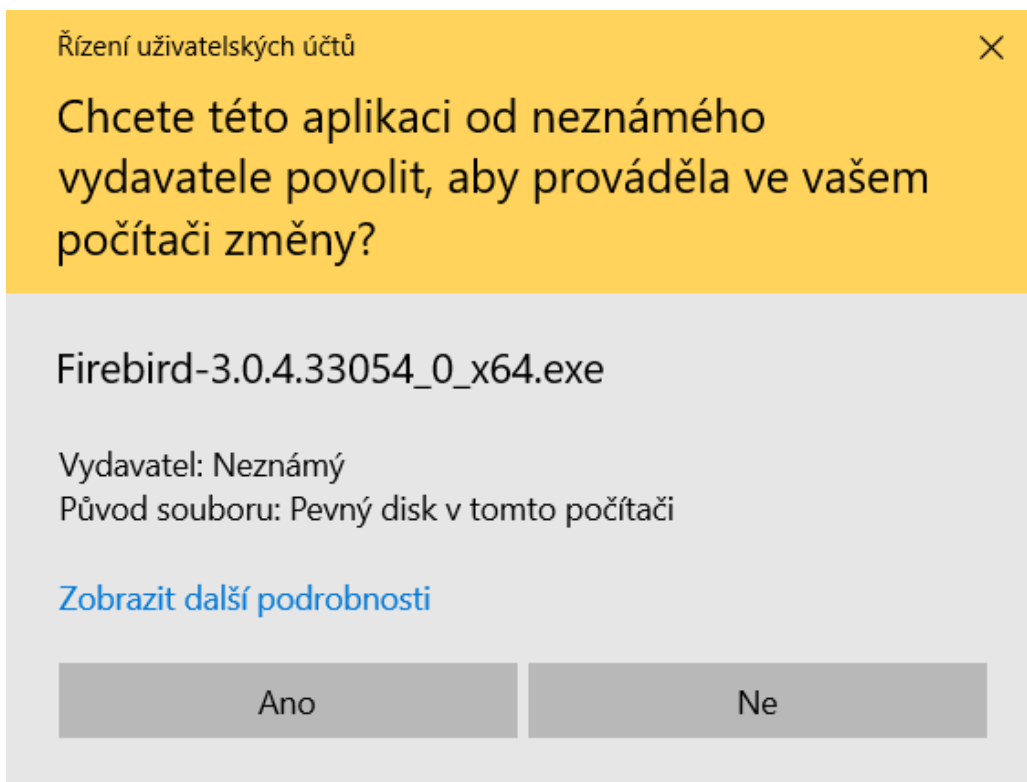
👆 In the next step, select the required installation language, read and agree to the license agreement, and select the location where you want to install Firebird.

❶ *The default path is "C:\ProgramFiles\Firebird\Firebird_3_0", do not change this path.*

Next, select **"Run Firebird in SuperServer mode"**.

Průvodce instalací - Firebird   —   □   ✕

Zvolte další úlohy
Které další úlohy mají být provedeny?

Zvolte další úlohy, které mají být provedeny v průběhu instalace produktu Firebird, a
pak pokračujte klepnutím na tlačítko Další.

Zvolte architekturu serveru:

○ Spustit Firebird v módu Classic server

○ Spustit Firebird v módu SuperClassic server

☐ Použít Hlídače pro řízení serveru?

⦿ Spustit Firebird v módu SuperServer
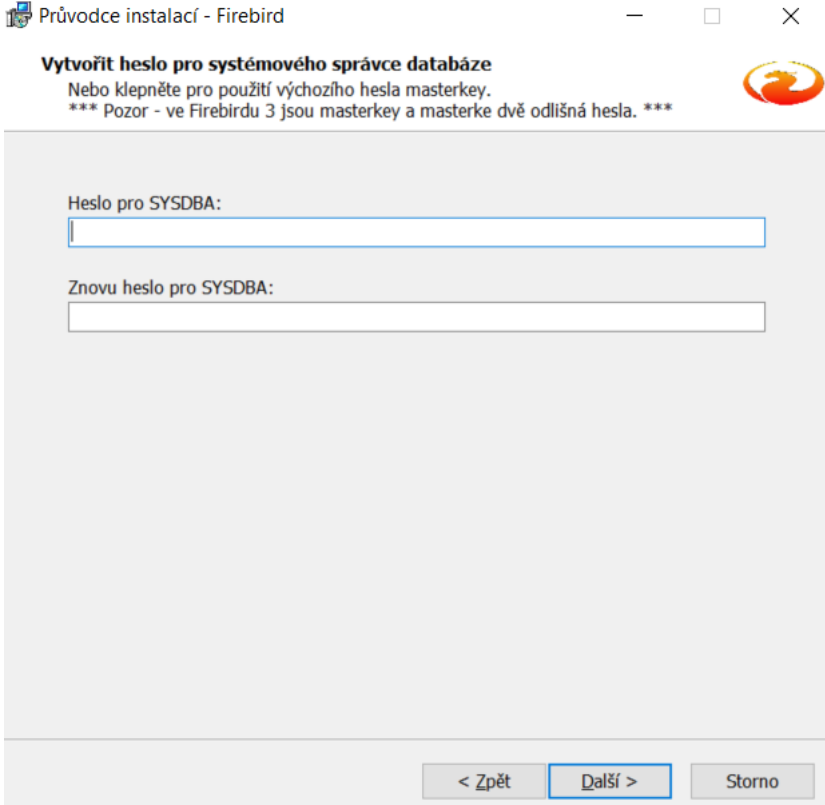
☐ Použít Hlídače pro řízení serveru?

Spouštět Firebird server jako:

○ Spouštět jako Aplikaci?

⦿ Spouštět jako Službu?

☑ Spustit Firebird automaticky při startu systému?

☑ Kopírovat Firebird klientskou knihovnu do složky <system>?

☐ Vytvořit klientskou knihovnu GDS32.DLL pro podporu starších aplikací?

☐ Povolit ověření starších klientů Firebirdu?

< Zpět   Další >   Storno

In the next step, you can set an optional password for the system database administrator – leave this field blank, which will automatically use the default password "masterkey".

At the end of the installation, an overview of the items that will be installed will be displayed. Click the "Next" button and select "Install".

1.3   Additional settings

1.3.1   Editing "C:\ProgramFiles\Firebird\Firebird_3_0\firebird.conf" – variant for virtual servers

↻   Locate the "firebird.conf" file in the directory where the Firebird database program libraries are located – typically "C:\Program Files\Firebird\Firebird_3_0", and open it for editing as an administrator.

↻   Find the line with the text "#UserManager =", and immediately after this line insert a new one with the text "UserManager = Legacy_UserManager" without a sharp sign at the beginning of the line.

↻   Find the line with the text "#WireCrypt =", and immediately after this line insert a new one with the text "WireCrypt = Disabled" without a sharp sign at the beginning of the line.

↻   Find the line with the text "#AuthServer =", and immediately after this line insert a new one with the text "AuthServer = Legacy_Auth, Srp, WinSspi" without the sharp sign at the beginning of the line.

↻   Find the line with the text "#AuthClient =", and immediately after this line insert a new one with the text "AuthClient = Legacy_Auth, Srp, WinSspi" without the sharp sign at the beginning of the line.

↻   Find the line with the text "#DefaultDBCachePages =", and immediately after this line insert a new one with the text "DefaultDBCachePages = 50000" without a sharp sign at the beginning of the line.

↻   Find the line with the text "#TempCacheLimit =", and immediately after this line insert a new one with the text "TempCacheLimit = 1024M" without a sharp sign at the beginning of the line.

❶   *All the steps described above are incorporated in the "firebird.conf" configuration file template, which can be downloaded here:*
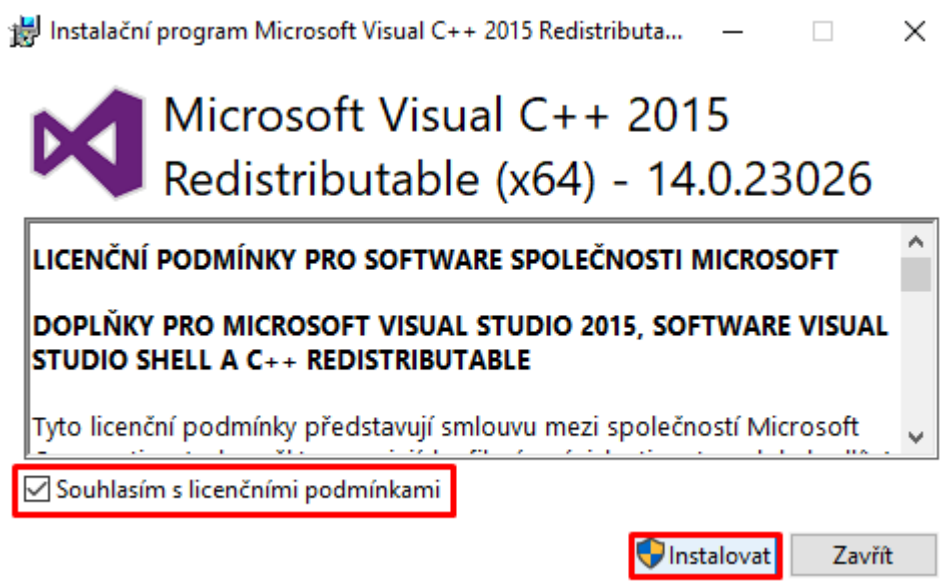
firebird.conf

❶   *After changing the configuration file "firebird.conf" it is necessary to restart the Firebird database server, see chapter "Restarting the Firebird database server".*

1.3.2   Editing "C:\ProgramFiles\Firebird\Firebird_3_0\firebird.conf" – variant for servers without virtualization

↻   Locate the "firebird.conf" file in the directory where the Firebird database program libraries are located – typically "C:\ProgramFiles\Firebird\Firebird_3_0" and open it for editing as an administrator.

↻   Find the line with the text "#UserManager =", and immediately after this line insert a new one with the text "UserManager = Legacy_UserManager" without a sharp sign at the beginning of the line.

↻   Find the line with the text "#WireCrypt =", and immediately after this line insert a new one with the text "WireCrypt = Disabled" without a sharp sign at the beginning of the line.

↻   Find the line with the text "#AuthServer =", and immediately after this line insert a new one with the text "AuthServer = Legacy_Auth, Srp, WinSspi" without the sharp sign at the beginning of the line.

↻   Find the line with the text "#AuthClient =", and immediately after this line insert a new one with the text "AuthClient = Legacy_Auth, Srp, WinSspi" without the sharp sign at the beginning of the line.

↻   Find the line with the text "#DefaultDBCachePages =", and immediately after this line insert a new one with the text "DefaultDBCachePages = 1000" without a sharp sign at the beginning of the line.

↻   Find the line with the text "#FileSystemCacheThreshold =", and immediately after this line insert a new one with the text "FileSystemCacheThreshold = 99999" without a sharp sign at the beginning of the line.

👉 Find the line with the text "#FileSystemCacheSize =", and immediately after this line insert a new one with the text "FileSystemCacheSize = 90" without a sharp sign at the beginning of the line.

👉 Find the line with the text "#TempCacheLimit =", and immediately after this line insert a new one with the text "TempCacheLimit = 1024M" without a sharp sign at the beginning of the line.

ⓘ *All the steps described above are incorporated in the "firebird.conf" configuration file template, which can be downloaded here:*

firebird.conf

ⓘ *After changing the configuration file "firebird.conf" it is necessary to restart the Firebird database server, see. chapter "Restarting the Firebird database server".*

1.3.3   Installing the library "ngudf.dll"

👉 The "ngudf.zip" archive is located in the "bin" directory of NET Genium. The contents of this archive are files **„ngudf.dll"** and **„download-and-install.txt"** – separately in folders for 64-bit and 32-bit systems. Depending on your system **copy the file "ngudf.dll" to the directory "UDF"**,where you have Firebird installed (eg C:\ProgramFiles\Firebird\Firebird_3_0\UDF").

1.4   Installing Microsoft Visual C ++ 2015 Redistributable (vc_redist)

☞   Download "vc_redist.x64" or "vc_redist.x86" according to your operating system.
https://www.netgenium.com/download/vc_redist.x64.exe
https://www.netgenium.com/download/vc_redist.x86.exe

☞   Run "vc_redist.x64" or "vc_redist.x86" depending on your operating system version.

☞   Read and then agree to the license terms and click the button **"Install"**.

1.5   Determining the version of the Firebird database server

☞   If the Firebird database server has been installed on your computer or server for some time and you need to find out which version it is, find the file "firebird.conf" in the directory where the Firebird database program libraries are located – typically "C:\ProgramFiles\Firebird\Firebird_3_0".

☞   Open the "firebird.conf" file and find the line with the text "ServerMode =". The "=" is followed by the currently used version – Super, SuperClassic or Classic.
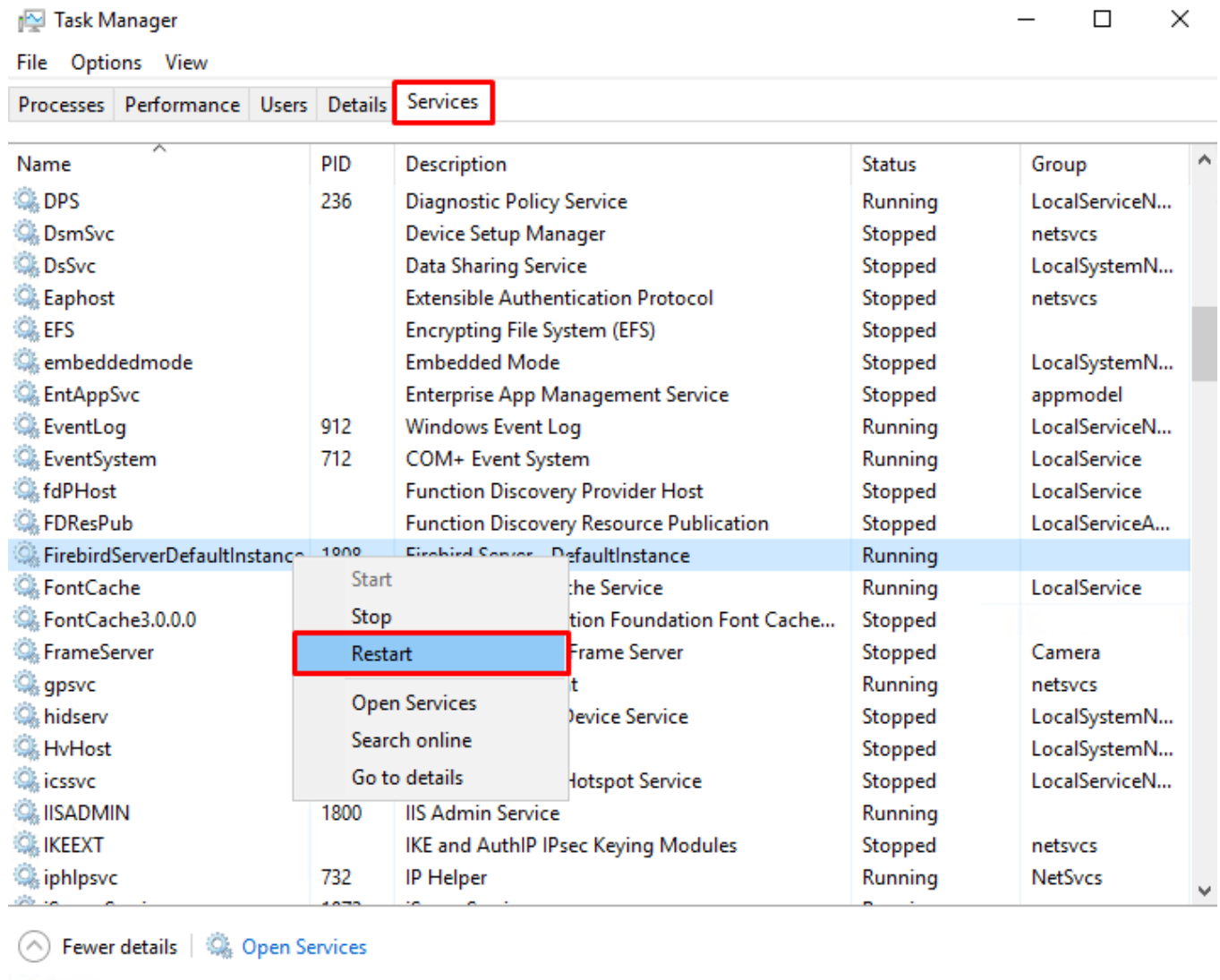
1.6 Restart the Firebird database server

☞ If for some reason it is necessary to restart the Firebird database server, start the "Task manager" application.
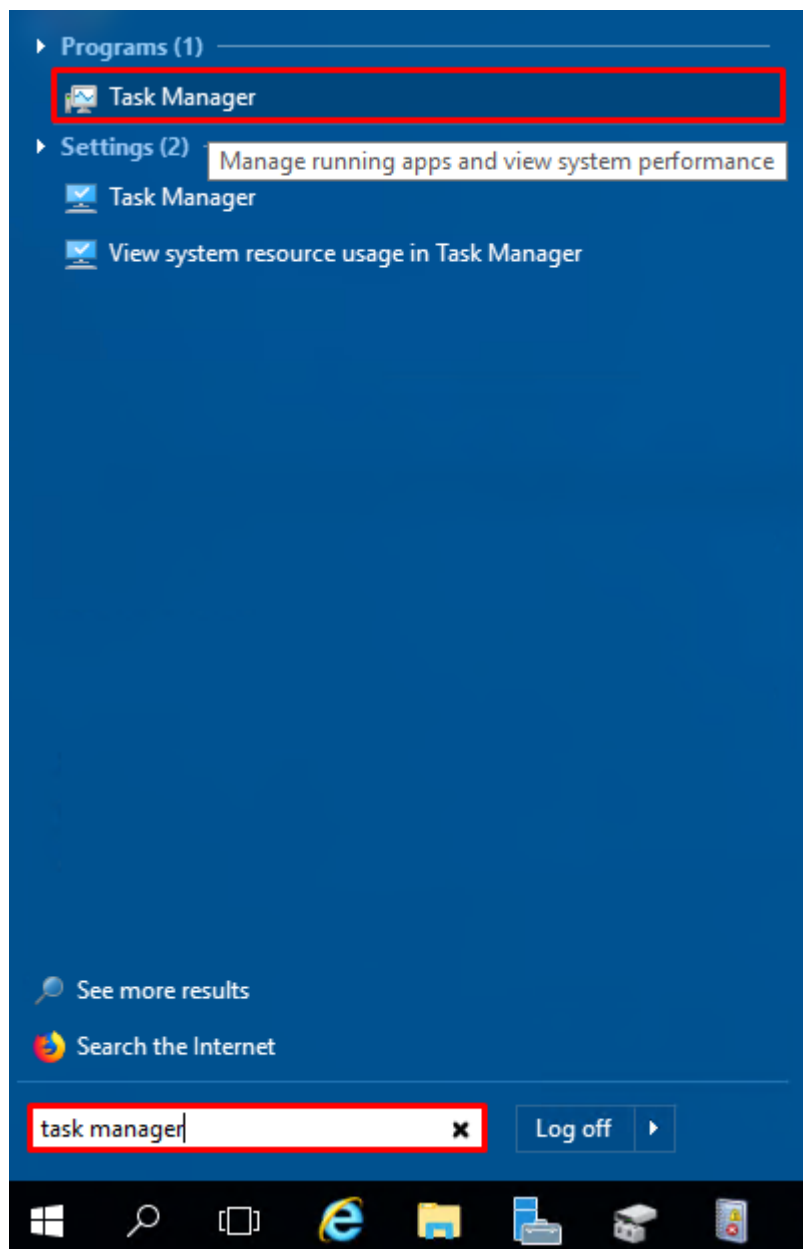
☞ Then you need to select the "Services" tab and right-click on "FirebirdServerDefaultInstance" from the list of services. All you have to do is select an option from the menu that appears **Restart**.

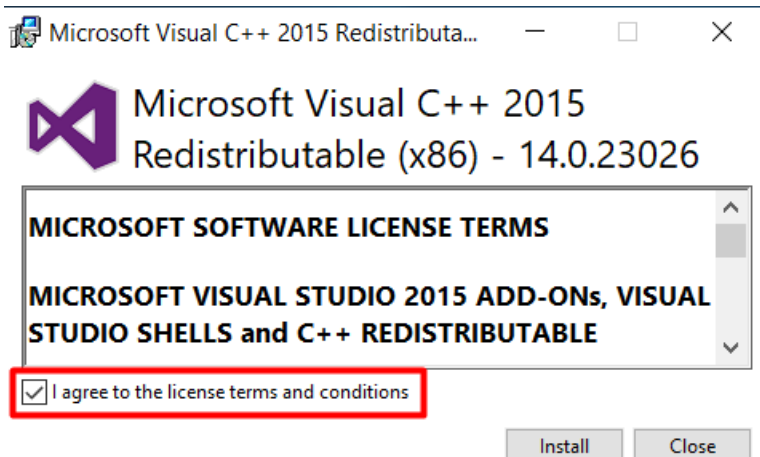⚠ *In some cases, it only happens that the service is stopped, so it is necessary to press again **"Start"**.*

2 FlameRobin installation

2.1 Installing Microsoft Visual C ++ 2015 Redistributable (vc_redist)

☞ Download "vc_redist.x86".
https://www.netgenium.com/download/vc_redist.x86.exe

☞ Run "vc_redist.x86".

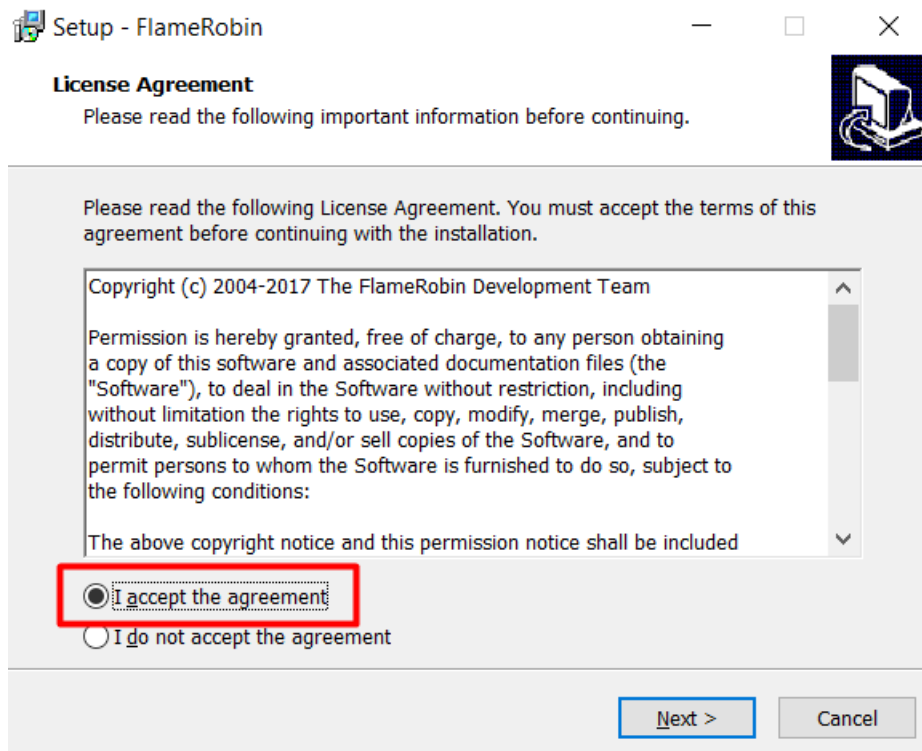☞ Read and then agree to the license terms and click the button **Install**.
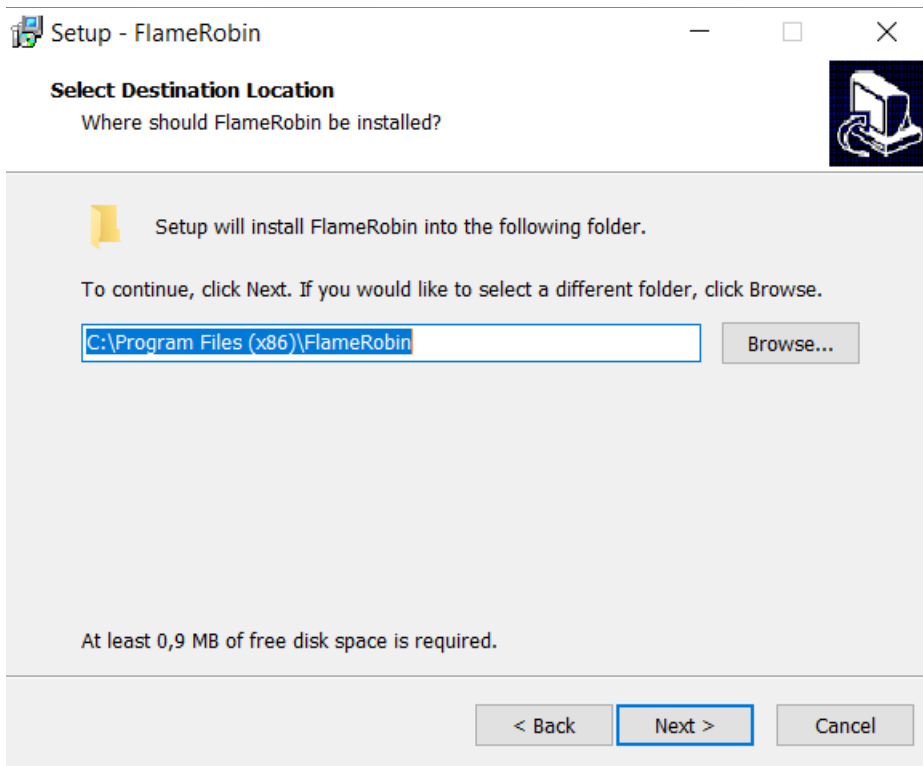
2.2 Download the FlameRobin installer

☞ Download the FlameRobin installer, which can be found at:
http://www.flamerobin.org

2.3 FlameRobin installation

Read and agree to the license terms and click the button **Next**.

👉 Select the location where you want to install FlameRobin and click the button **Next**.

Setup - FlameRobin

Select Destination Location
Where should FlameRobin be installed?

Setup will install FlameRobin into the following folder.

To continue, click Next. If you would like to select a different folder, click Browse.

C:\Program Files (x86)\FlameRobin   Browse...

At least 0,9 MB of free disk space is required.

< Back   Next >   Cancel

ℹ️ *You can then choose whether to place a program shortcut in the "Start" menu and an icon on the desktop.*
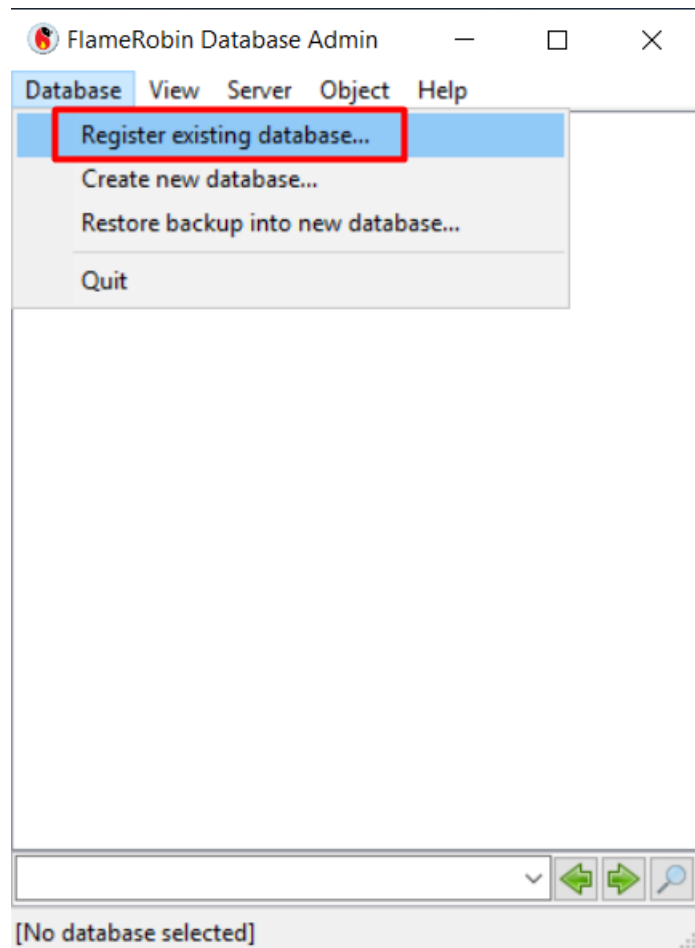
👉 Click the button **"Install"**

⚠️ *To continue using FlameRobin, you must create or register your new database server and its database.*

ℹ️ Configuration file not found

The configuration file:
C:\Users\Administrator\AppData\Local\flamerobin\fr_databases.conf
does not exist or can not be opened.

This is normal for first time users.

You may now register new servers and databases.
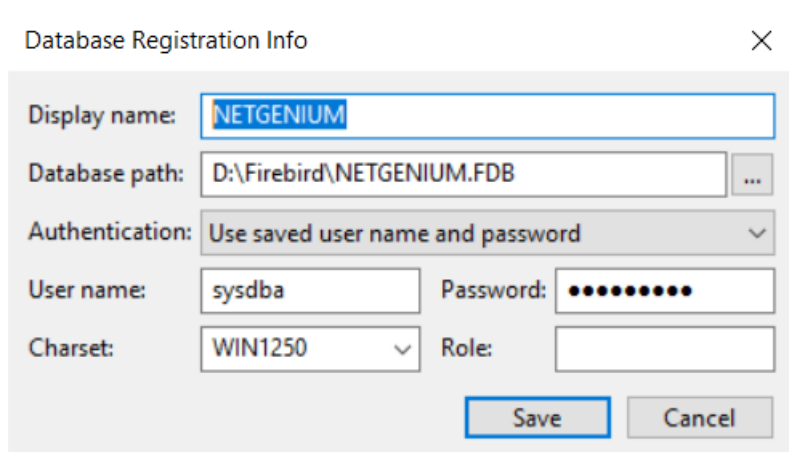
OK
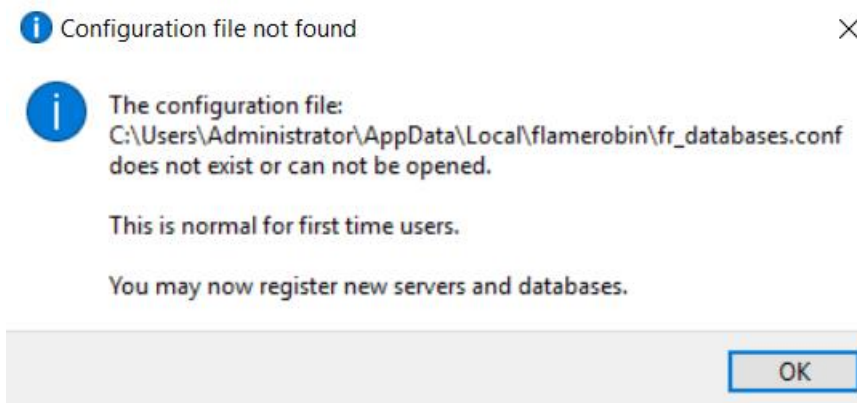
2.4 Registration of an existing database

⚠ *To register an existing database, you must first have NET Genium installed.*

☞ In FlameRobin, click on "Database" and select "Register existing database…".

👉 **Fill in:**

- o The path where you have the database stored
- o Your database name (filled in automatically if you select the database path as the first step)
- o Username **"sysdba"**
- o Password **"masterkey"**
- o Charset **"WIN1250"**

👉 Click the button **"Save"**.