

Installing Firebird 3.0

Framework NET Genium

Content

1	Firebird database server installation.....	3
1.1	Download the installer	3
1.2	Firebird installation	3
1.3	Additional settings.....	6
1.3.1	Editing “C:\ProgramFiles\Firebird\Firebird_3_0\firebird.conf” – variant for virtual servers.....	6
1.3.2	Editing “C:\ProgramFiles\Firebird\Firebird_3_0\firebird.conf” – variant for servers without virtualization	6
1.3.3	Installing the library “ngudf.dll”	7
1.4	Installing Microsoft Visual C ++ 2015 Redistributable (vc_redist).....	8
1.5	Determining the version of the Firebird database server.....	8
1.6	Restart the Firebird database server.....	9
2	FlameRobin installation.....	11
2.1	Installing Microsoft Visual C ++ 2015 Redistributable (vc_redist).....	11
2.2	Download the FlameRobin installer	12
2.3	FlameRobin installation	12
2.4	Registration of an existing database	14

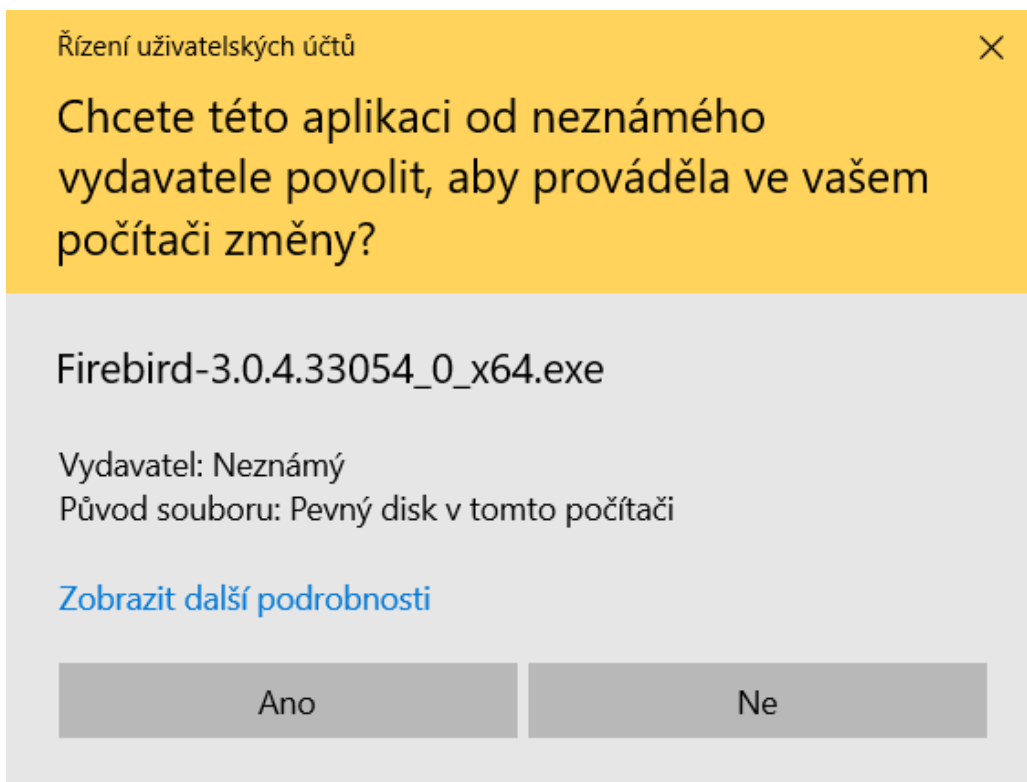
1 Firebird database server installation

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.
- 📌 *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.
- 📌 *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?

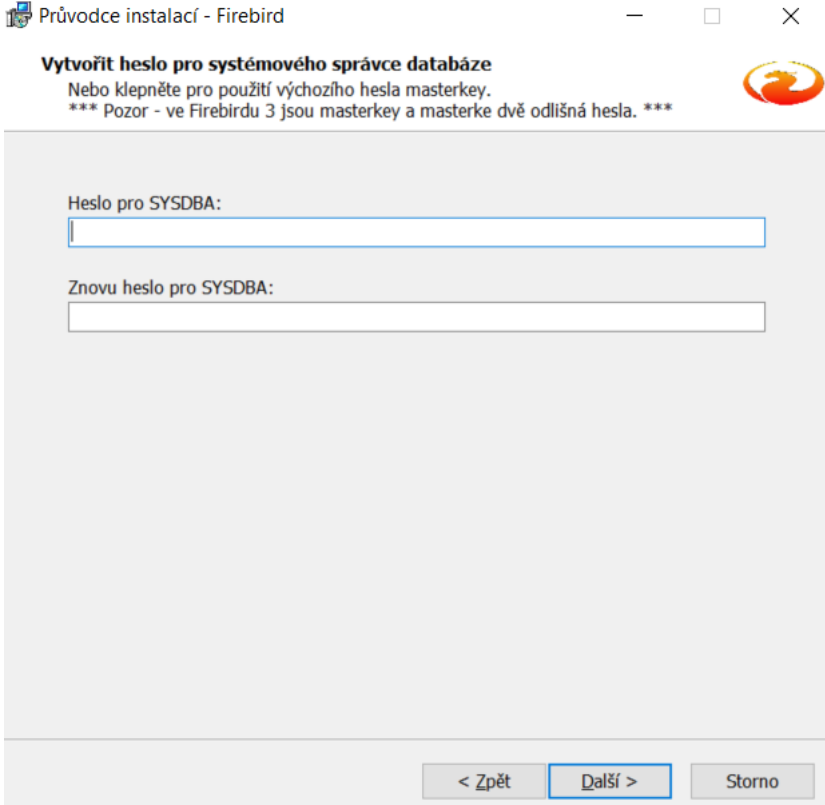
Spouštět Firebird server jako:

- 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.

📌 *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”.*

1.3.2 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

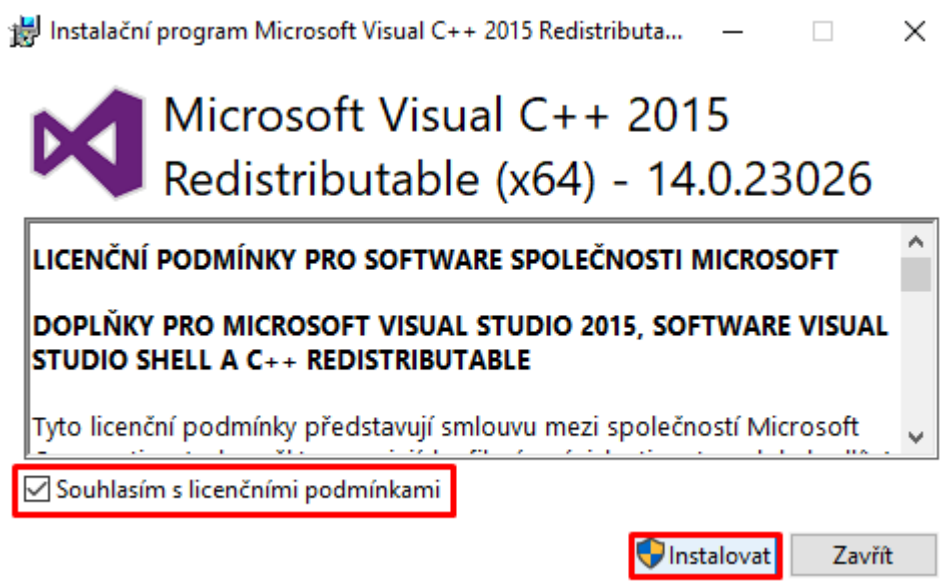
- ❗ *After changing the configuration file “firebird.conf” it is necessary to restart the Firebird database server, see. chapter “Restarting the Firebird database server”.*

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”**.

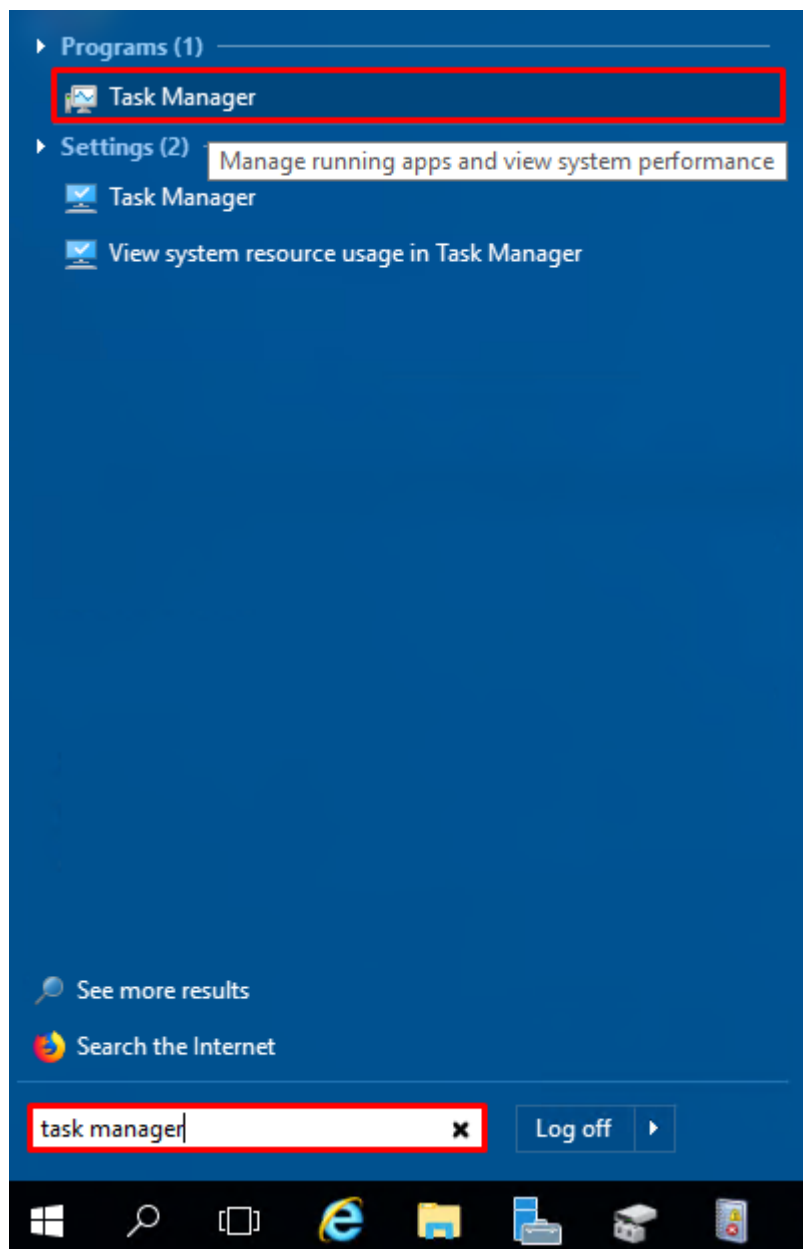


1.5 Determining the version of the Firebird database server

- 🔗 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.

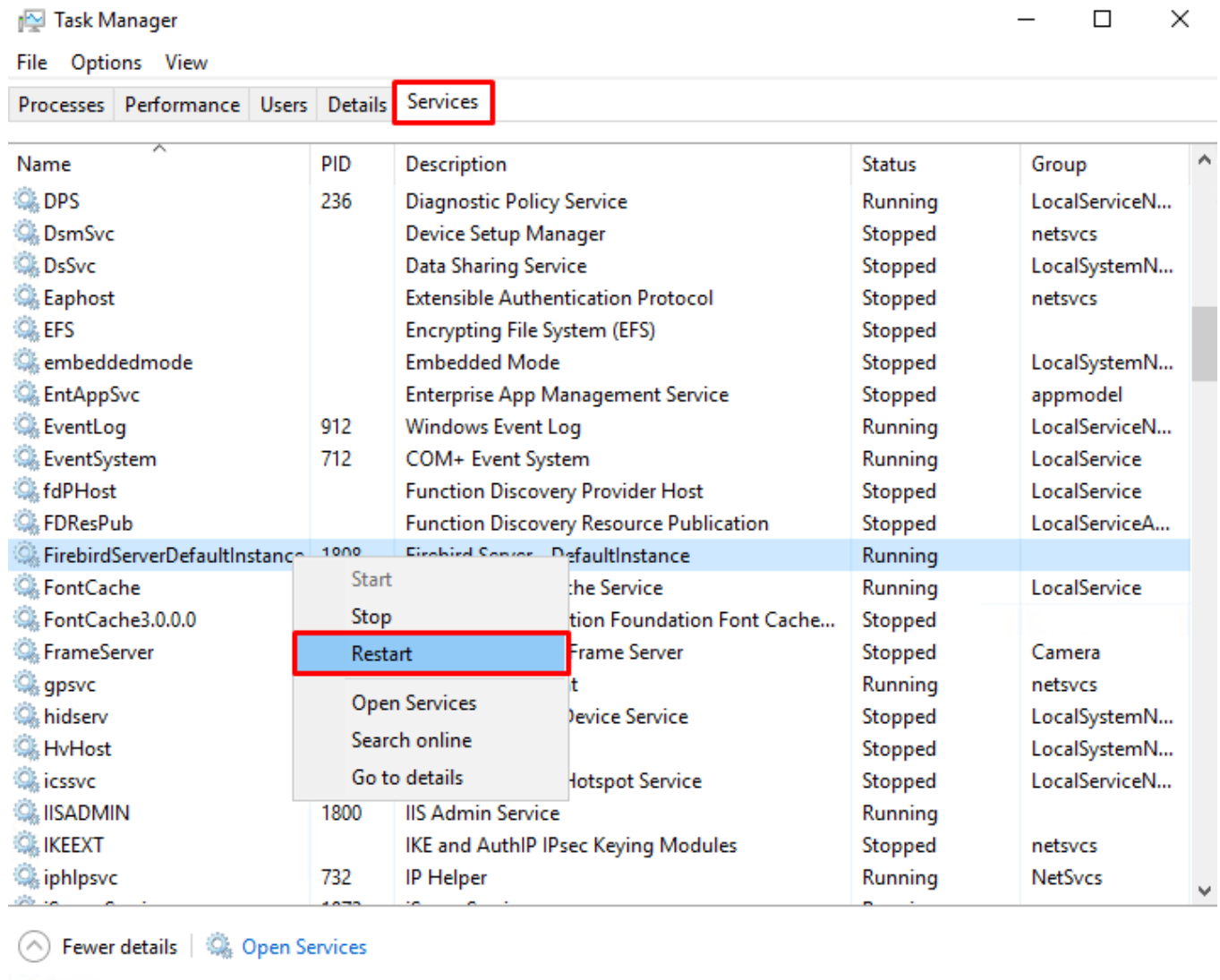
1.6 Restart the Firebird database server

🔗 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”.*



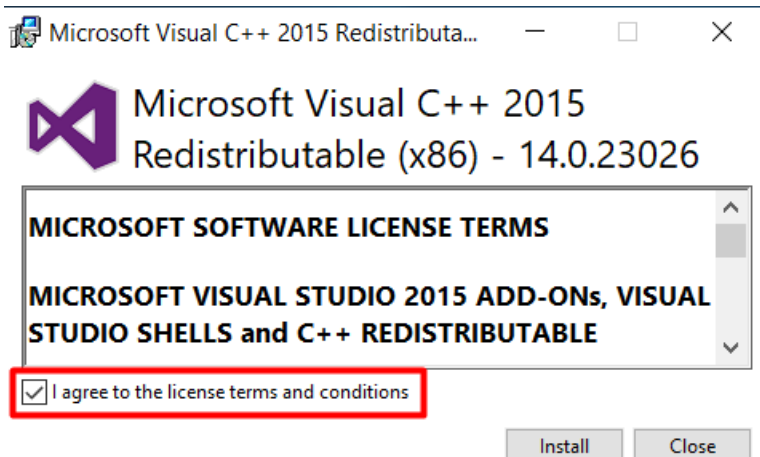
The screenshot shows the Windows Task Manager window with the 'Services' tab selected. A context menu is open over the 'FirebirdServerDefaultInstance' service, which is currently running. The 'Restart' option in the menu is highlighted with a red box. The 'Services' tab itself is also highlighted with a red box.

Name	PID	Description	Status	Group
DPS	236	Diagnostic Policy Service	Running	LocalServiceN...
DsmSvc		Device Setup Manager	Stopped	netsvcs
DsSvc		Data Sharing Service	Stopped	LocalSystemN...
Eaphost		Extensible Authentication Protocol	Stopped	netsvcs
EFS		Encrypting File System (EFS)	Stopped	
embeddedmode		Embedded Mode	Stopped	LocalSystemN...
EntAppSvc		Enterprise App Management Service	Stopped	appmodel
EventLog	912	Windows Event Log	Running	LocalServiceN...
EventSystem	712	COM+ Event System	Running	LocalService
fdPHost		Function Discovery Provider Host	Stopped	LocalService
FDResPub		Function Discovery Resource Publication	Stopped	LocalServiceA...
FirebirdServerDefaultInstance	1000	Firebird Server - DefaultInstance	Running	
FontCache		Font Cache Service	Running	LocalService
FontCache3.0.0.0		Microsoft Windows Common-Font Foundation Font Cache...	Stopped	
FrameServer		Frame Server	Stopped	Camera
gpsvc		GPS Service	Running	netsvcs
hidserv		Human Interface Device Service	Stopped	LocalSystemN...
HvHost		Hyper-V Host	Stopped	LocalSystemN...
icssvc		Internet Connection Sharing (ICS) Hotspot Service	Stopped	LocalServiceN...
IISADMIN	1800	IIS Admin Service	Running	
IKEEXT		IKE and AuthIP IPsec Keying Modules	Stopped	netsvcs
iphlpvc	732	IP Helper	Running	NetSvcs

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**.

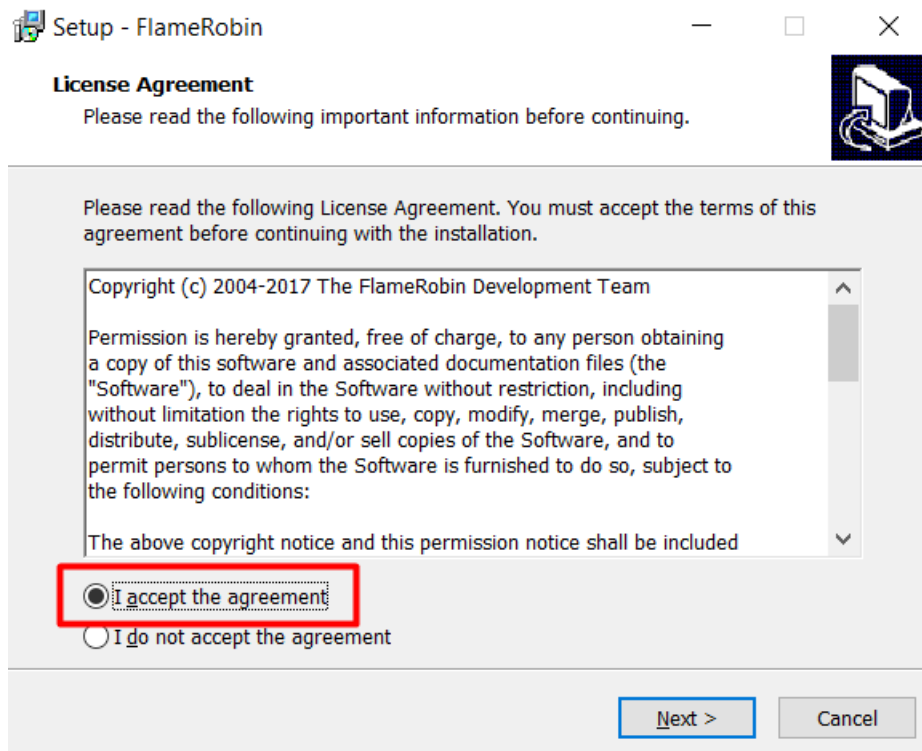


2.2 Download the FlameRobin installer

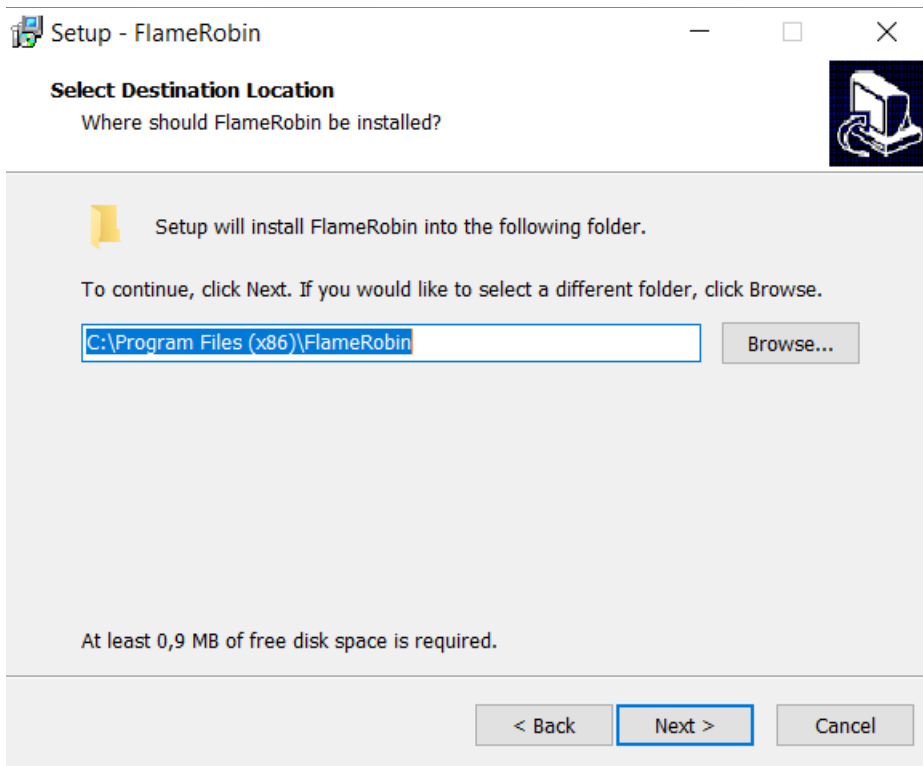
Download the FlameRobin installer, which can be found at:
<http://www.flamerobin.org>

2.3 FlameRobin installation

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



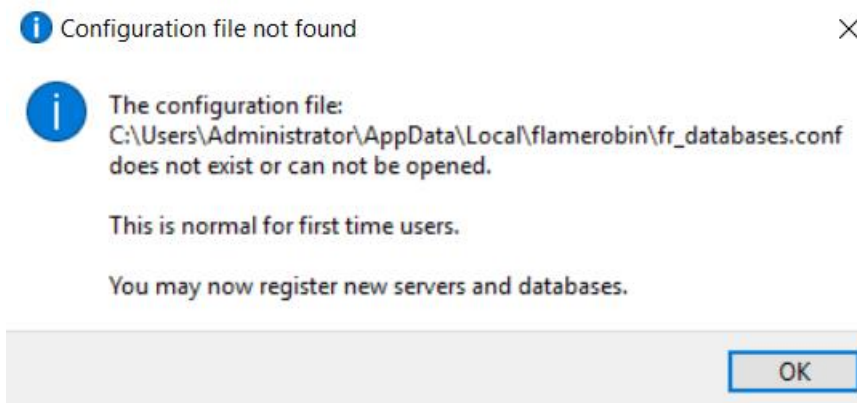
☞ Select the location where you want to install FlameRobin and click the button **Next**.



❗ You can then choose whether to place a program shortcut in the “Start” menu and an icon on the desktop.

☞ Click the button **“Install”**

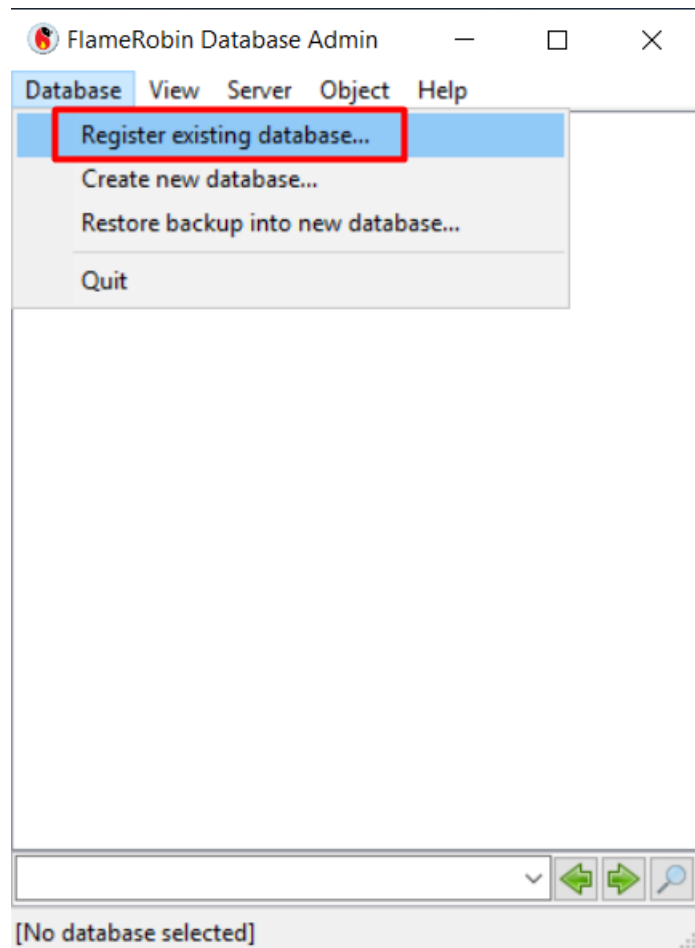
⚠ *To continue using FlameRobin, you must create or register your new database server and its database.*



2.4 Registration of an existing database

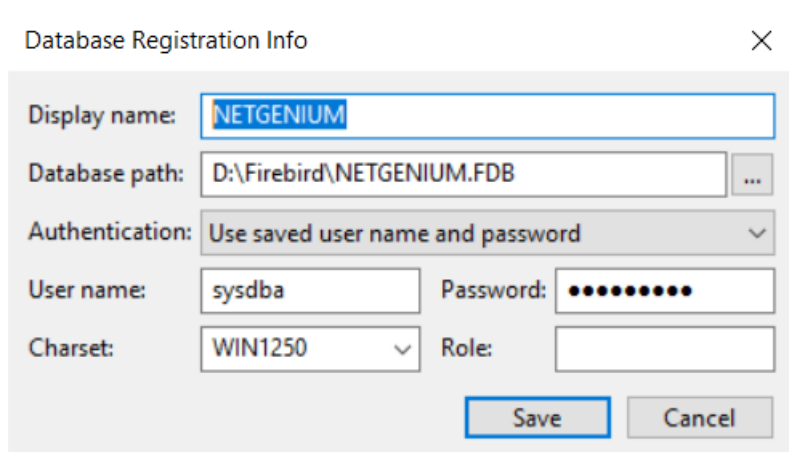
▲ *To register an existing database, you must first have NET Genium installed.*

🔗 In FlameRobin, click on “Database” and select “Register existing database...”.



↳ **Fill in:**

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

↳ Click the button **"Save"**.

The screenshot shows a dialog box titled "Database Registration Info" with a close button (X) in the top right corner. The dialog contains the following fields and controls:

- Display name:** A text box containing "NETGENIUM".
- Database path:** A text box containing "D:\Firebird\NETGENIUM.FDB" with a browse button (three dots) to its right.
- Authentication:** A dropdown menu set to "Use saved user name and password".
- User name:** A text box containing "sysdba".
- Password:** A text box containing ten black dots.
- Charset:** A dropdown menu set to "WIN1250".
- Role:** An empty text box.
- Buttons:** "Save" and "Cancel" buttons at the bottom.