

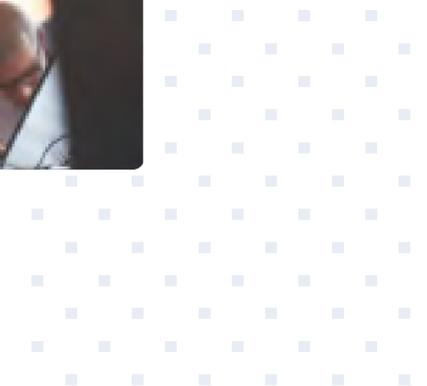
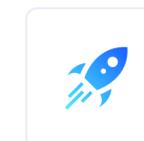
# Reliable and simple to use data connector for Firebird

Verified Compatibility with 3d Party Tools | Standard ODBC API Functions Support

# About Us

Devart is a software development company that specializes in creating database management and data connectivity tools for developers. We offer a wide range of products for Windows, macOS, and Linux, and for various databases, such as MySQL, Oracle, SQL Server, and more.

Some of our popular data connectivity products include ODBC Drivers, Delphi Data Access Components, ADO.NET providers for various databases and clouds, SQL Server Integration Services and Excel Add-ins. The company was founded in 1997 and is based in Prague, Czech Republic.



## About ODBC Driver for Firebird

Devart ODBC Driver for Firebird is a software component that provides high performance and secure connectivity to Firebird data via the Open Database Connectivity (ODBC) interface. With this driver, you can integrate Firebird data into various applications that support ODBC connectivity, such as Microsoft Excel, Power BI, Tableau, and others. The driver is available for Windows and supports various Firebird editions and APIs.

### Key Features:



Fast Data  
Retrieval



Secure Data  
Transmission



Automatic Data  
Type Mapping



Fast Parallel Bulk  
Data Loading

## Getting Started: Installation

Devart ODBC Driver for Firebird can be installed on various operating systems. This provides users a comprehensive solution for accessing Firebird data from various computer platforms, including Windows, macOS, and Linux.

[Windows](#)

[Windows Silent](#)

[macOS](#)

[Linux DEB](#)

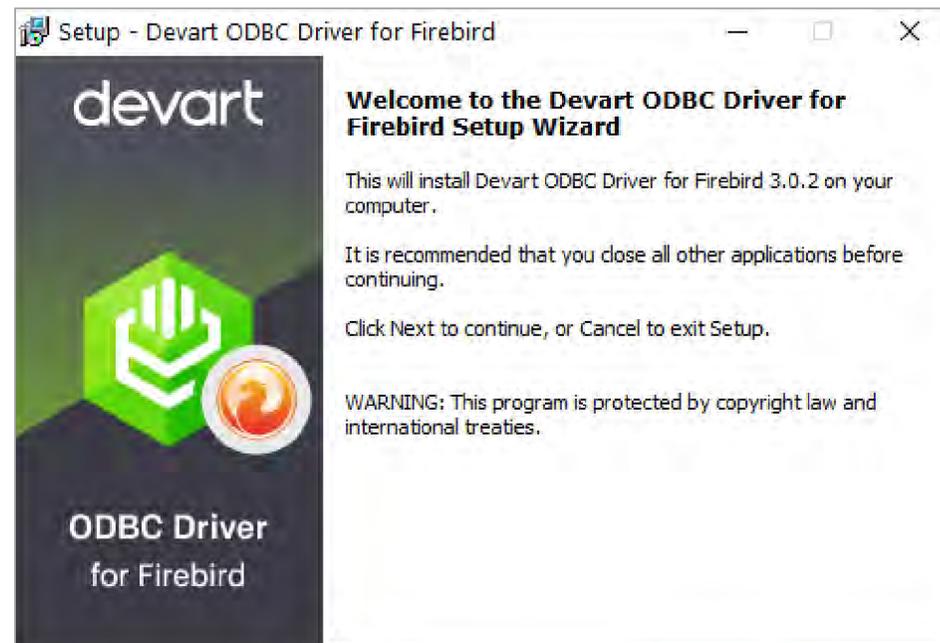
[Linux RPM](#)



# Getting Started: Installation

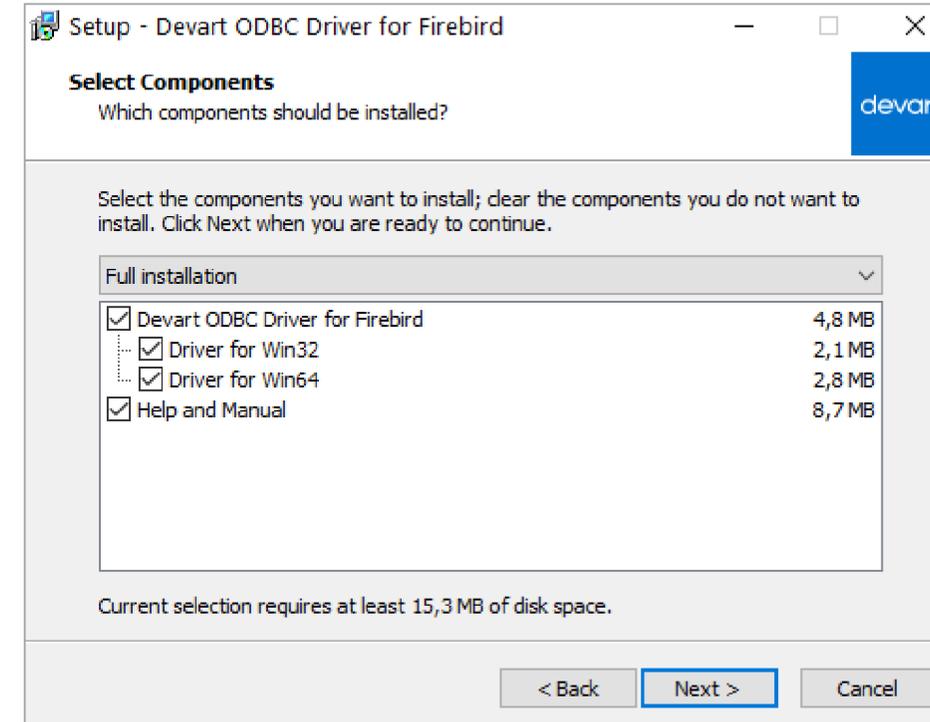
## Install the connector on Windows

1. [Download](#) and run the installer.
2. Follow the instructions in the wizard.



3. In case if you already have the specified installation folder on the PC or another Driver version is installed, you will get a warning. Click **Yes** to overwrite the old files with the current installation, but it is recommended to completely uninstall the previous driver version first, and then install the new one.

4. On the Select Components page you can select whether to install the 64-bit version of the driver or not. Clear the check box if you need no 64-bit installation. There is also a check box on this page, that allows you to select whether to install Help and Manual.

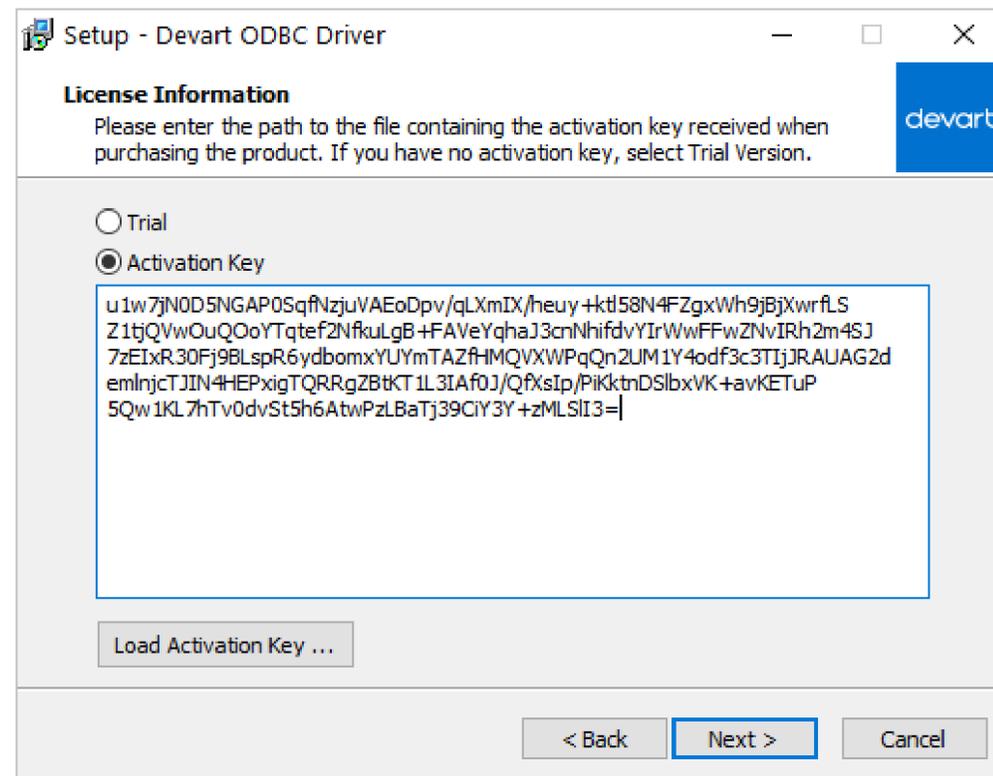


5. In the License Information dialog box, you should select the license type and activate the product. If you have no activation key, you can select Trial and use the driver for evaluation purposes.

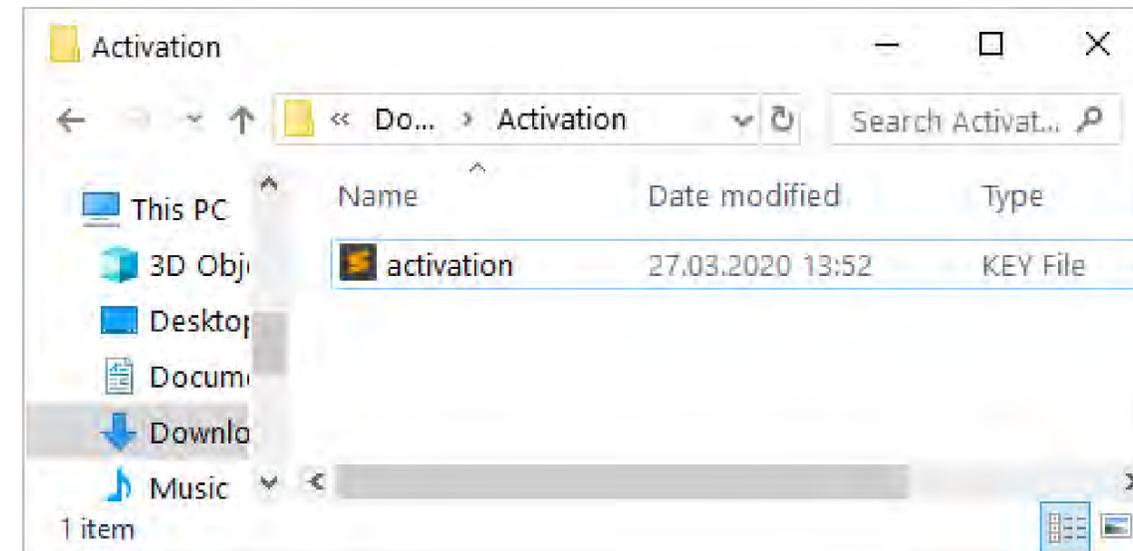
# Getting Started: Installation

## Install the connector on Windows

- If you have an activation key, select the Activation Key option. Copy the activation key from the registration email or your Customer Portal account and paste it into the Activation Key edit box.



- If you have the activation key file, click the Load Activation Key button and browse to it.



- Click Next.
- Click Install, then Finish.
- After the installation is completed, you need to [configure the driver](#).

# Getting Started: Installation

## Install the connector on Windows Silent

1. Run the Command Prompt as an administrator.
2. Use the following command-lines to perform the driver silent/very silent installation:

```
DevartODBCFirebird.exe /SILENT /ActivationKey=y1c7nmgdu234laszxcv0NGurjfhxm90LHuyhhsae
```

```
DevartODBCFirebird.exe /VERYSILENT /ActivationKey=ekhdh765mh09ukr237gHRtrilwq98nbvl4RTukfgre
```

**Note:** The installation is performed by entering a license key

```
DevartODBCFirebird.exe /SILENT /ActivationFile=d:\lic.key
```

```
DevartODBCFirebird.exe /VERYSILENT /ActivationFile=d:\lic.key
```

**Note:** The installation is performed by specifying the path to a license key file with any name.

When /SILENT is used, the installation progress is displayed, but no user interaction is required during installation.

When /VERYSILENT is used, the installation wizard dialog is hidden and the installation process is performed without user interference.

# Getting Started: Installation

## Install the connector on Linux DEB

### PREREQUISITES

ODBC Driver for Firebird works under control of an ODBC driver manager. ODBC driver manager is not distributed along with our driver and must be installed separately.

[ODBC Driver for Firebird](#) is compatible with [UnixODBC](#) driver manager. You can install the unixODBC driver manager using the command below:

```
sudo apt-get install odbcinst1debian2 libodbc1 odbcinst unixodbc
```

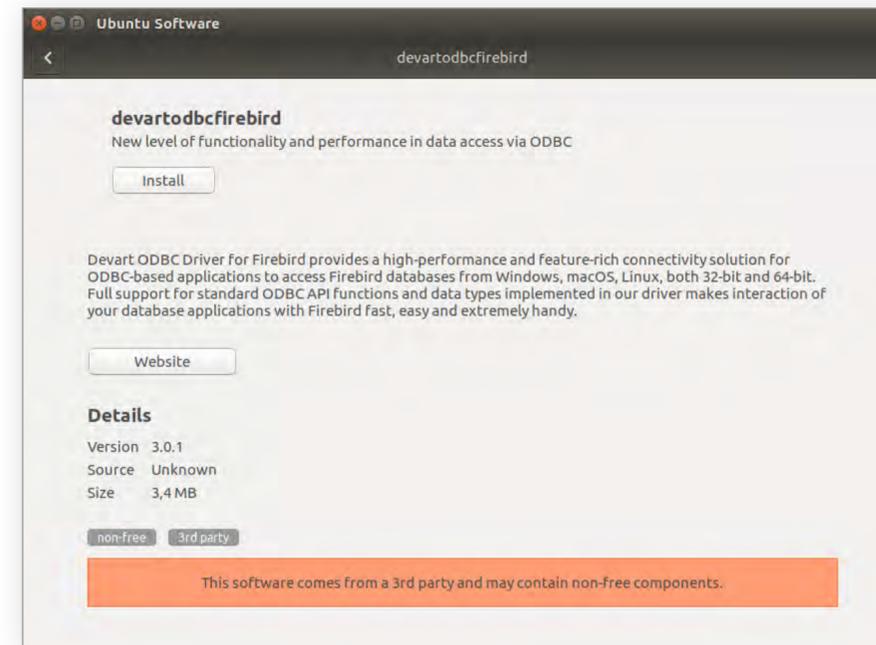
In case when using other ODBC driver managers, ODBC Driver for Firebird will be installed, but it will require manual modification of configuration files of these managers.

### INSTALLATION

Let's consider how to install the Devart ODBC driver on Linux from a DEB package, for example, on Ubuntu. There are two ways to install the driver either manually or via the command line.

### GUI installation

1. [Download](#) the DEB package of the required bitness from the Devart website.
2. Navigate to the folder with the downloaded package ("Downloads" by default) and double-click it.
3. In the opened dialog, click the **Install** button.



4. If the installation is successfully completed, the Install button changes into the Remove one.

# Getting Started: Installation

## Install the connector on Linux DEB

### Command-line installation

1. [Download](#) the DEB package from the Devart website. By default the required package will be downloaded into the ~/Downloads folder (or the selected one);
2. Run the 'Terminal' program;
3. Navigate to the folder with the downloaded package `cd ~/Downloads` (if you downloaded the package into another folder, you need to specify the path to this folder as the `cd` command parameter):

```
cd ~/Downloads/
```

```
test@ubuntu:~$ cd ~/Downloads/  
test@ubuntu:~/Downloads$
```

4. To install the `devartodbcfirebird_i386.deb` on a 32-bit system, use the following command:

```
sudo dpkg -i devartodbcfirebird_i386.deb
```

```
test@ubuntu:~$ cd ~/Downloads/  
test@ubuntu:~/Downloads$ sudo dpkg -i devartodbcfirebird_i386.deb
```

5. To install the `devartodbcfirebird_amd64.deb` on a 64-bit system, use the following command:

```
sudo dpkg -i devartodbcfirebird_amd64.deb
```

```
test@ubuntu:~$ cd ~/Downloads/  
test@ubuntu:~/Downloads$ sudo dpkg -i devartodbcfirebird_amd64.deb
```

6. Driver is installed successfully.

```
test@ubuntu:~/Downloads$ sudo dpkg -i devartodbcfirebird_i386.deb  
Selecting previously unselected package devartodbcfirebird.  
(Reading database ... 238038 files and directories currently installed.)  
Preparing to unpack devartodbcfirebird_i386.deb ...  
Unpacking devartodbcfirebird (3.0.1) ...  
Setting up devartodbcfirebird (3.0.1) ...  
test@ubuntu:~/Downloads$
```

To activate the driver, perform the steps described in the [Product Activation](#) article.

# Getting Started: Installation

## Install the connector on Linux RPM

### PREREQUISITES

[ODBC Driver for Firebird](#) works under control of an ODBC driver manager. ODBC driver manager is not distributed along with our driver and must be installed separately.

ODBC Driver for Firebird is compatible with [UnixODBC](#) driver manager.

In case when using other ODBC driver managers, ODBC Driver for Firebird will be installed, but it will require manual modification of configuration files of these managers.

### INSTALLATION

Let's consider how to install the Devart ODBC driver on Linux from an RPM package, for example, on CentOS. To install the driver, you should download the .rpm package and install it via the command line. See the detailed description of these steps below:

1. [Download](#) the RPM package from the Devart website. By default the required package will be downloaded into the ~/Downloads folder (or the selected one);
2. Run the 'Konsole' program;
3. Navigate to the folder with the downloaded package `cd ~/Downloads` (if you downloaded the package into another folder, you need to specify the path to this folder as the `cd` command parameter):

```
cd ~/Downloads/
```

```
[test@centos7x64 ~]$ cd ~/Downloads/
[test@centos7x64 Downloads]$ █
```

4. To install the `devart-odbc-firebird.i386.rpm` on a 32-bit system, use the following command:

```
sudo rpm -ivh devart-odbc-firebird.i386.rpm
```

```
[test@localhost ~]$ sudo rpm -ivh devart-odbc-ase.i386.rpm
```

To install the `devart-odbc-firebird.x86_64.rpm` on a 64-bit system, use the following command:

```
sudo rpm -ivh devart-odbc-firebird.x86_64.rpm
```

```
[test@centos7x64 ~]$ cd ~/Downloads/
[test@centos7x64 Downloads]$ sudo rpm -ivh devart-odbc-firebird.x86_64.rpm
```

5. Driver is installed successfully.

```
[test@centos7x64 ~]$ cd ~/Downloads/
[test@centos7x64 Downloads]$ sudo rpm -ivh devart-odbc-firebird.x86_64.rpm
[sudo] password for test:
Preparing...                               ##### [100%]
Updating / installing...
 1:devart-odbc-firebird-3.0.1-1             ##### [100%]
[test@centos7x64 Downloads]$ █
```

To activate the driver, perform the steps described in the [Product Activation article](#).

# Getting Started: Installation

## Install the connector on macOS

### PREREQUISITES

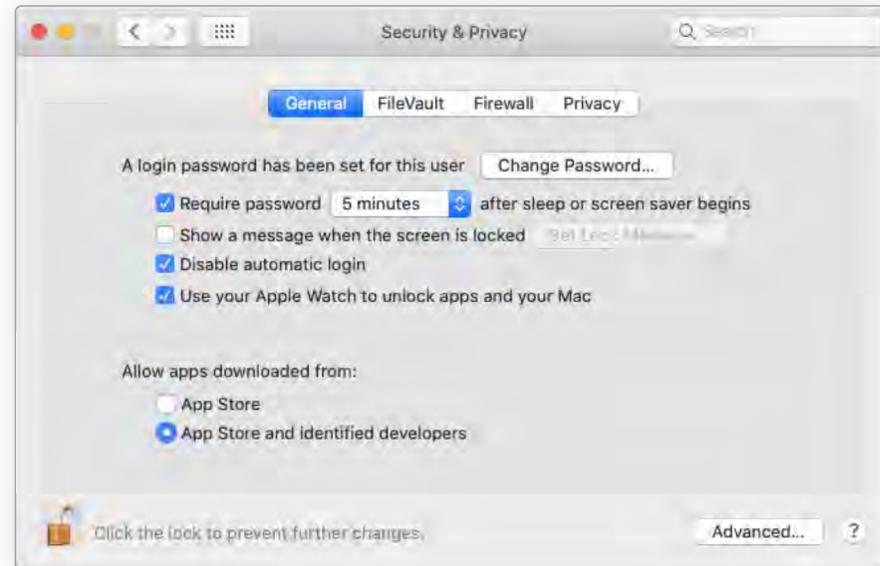
ODBC Driver for Firebird works under control of an ODBC driver manager. ODBC driver manager is not distributed along with our driver and must be installed separately.

[ODBC Driver for Firebird](#) is compatible with [iODBC](#) driver manager.

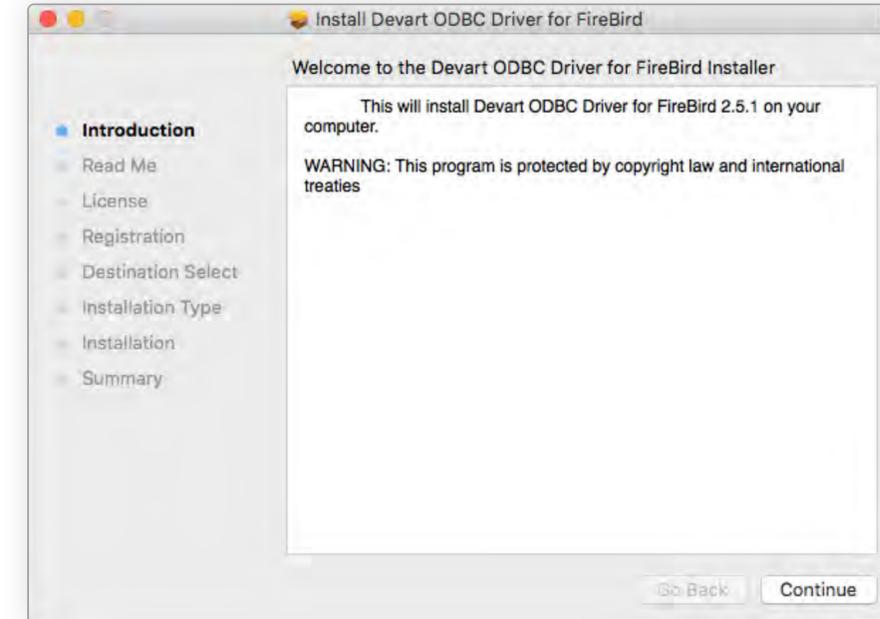
In case when using other ODBC driver managers, ODBC Driver for Firebird will be installed, but it will require manual modification of configuration files of these managers.

### INSTALLATION

1. Go to Security & Privacy settings in the System Preferences.
2. Enable the **App Store and identified developers** option in the **Allows apps downloaded from** section.
3. [Download](#) the PKG file from the Devart website.
4. Run the downloaded file, press the Allow button to proceed with the installation.



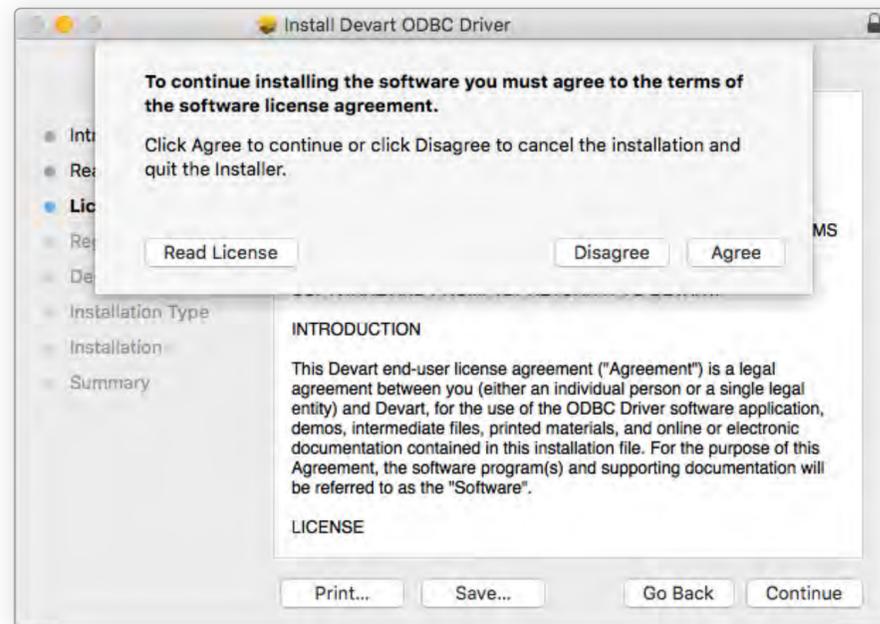
**Note:** If the options in **Allow apps downloaded from** section are grayed out, click on the lock icon and enter your administrator password to proceed with the installation.



# Getting Started: Installation

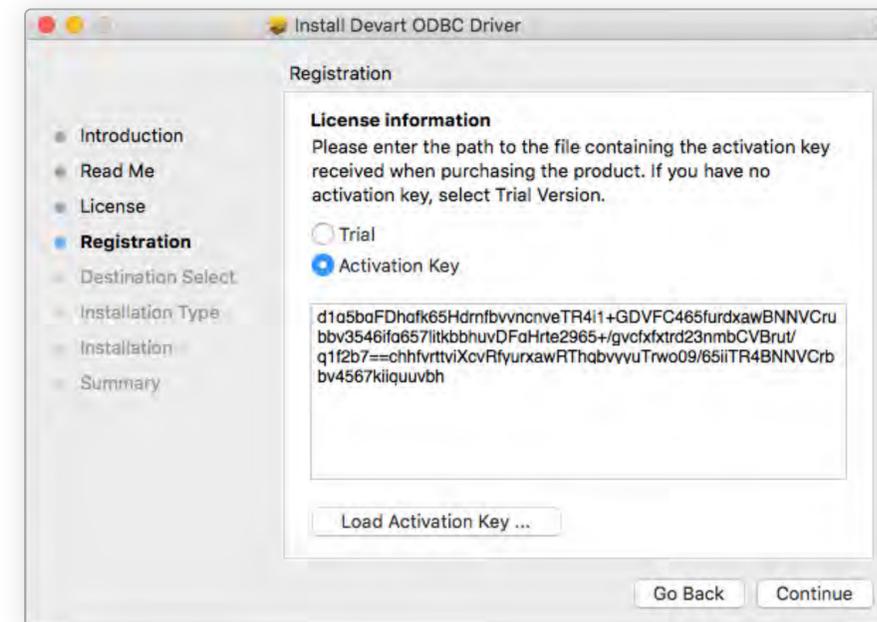
## Install the connector on macOS

5. After reading the license agreement, click Agree.



6. In the License Information dialog box, you should select the license type and activate the product. If you have no activation key, you can select Trial and use the driver for evaluation purposes.

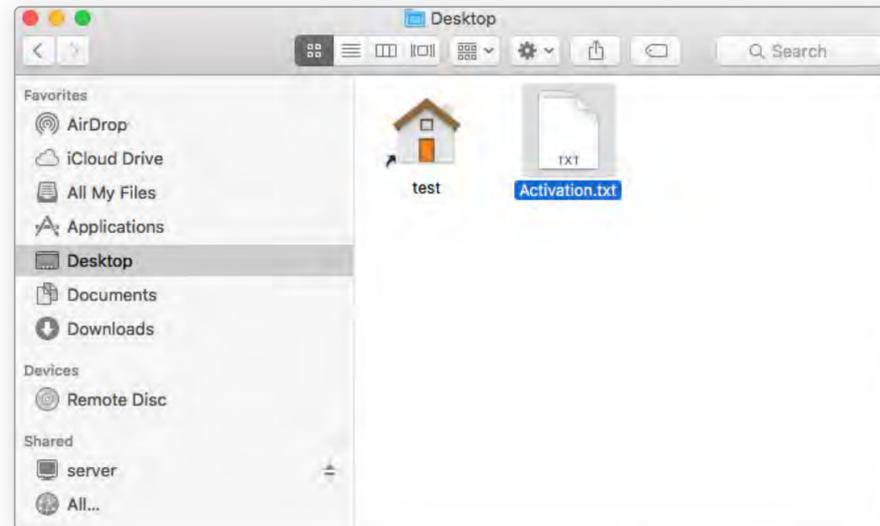
7. If you have an activation key, select the Activation Key option. Copy the activation key from the registration email or your Customer Portal account and paste it into the Activation Key edit box.



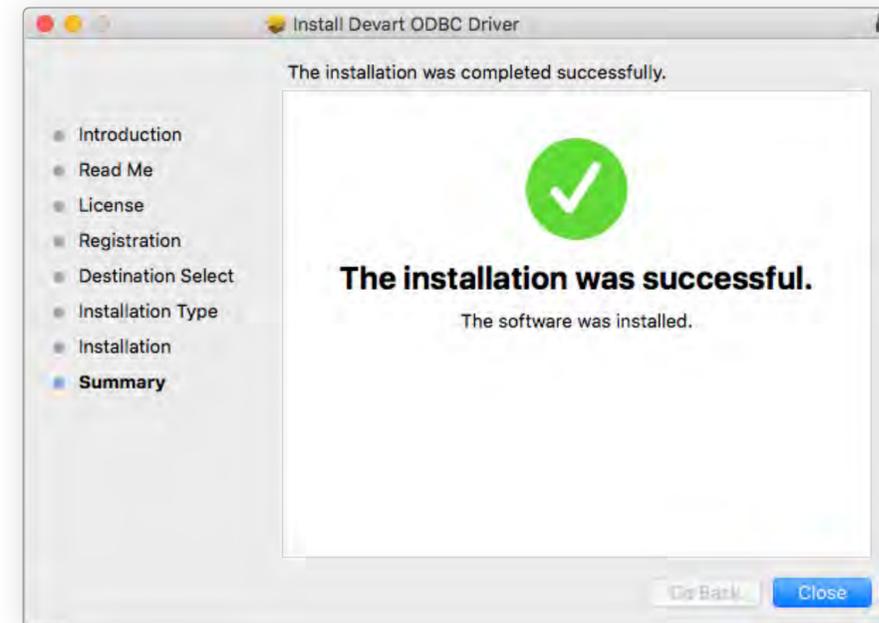
# Getting Started: Installation

## Install the connector on macOS

8. If you have the activation key file, click the Load Activation Key button and browse to it.



9. To complete the installation click Continue, then Install buttons.



To activate the driver, perform the steps described in the [Product Activation](#) article.

# Supported Data Types

The Devart ODBC Driver for Firebird supports all Firebird data types. The following table describes how the Firebird data types are mapped to the ODBC data types.

Firebird Data Types	ODBC Data Types	Firebird Data Types	ODBC Data Types
INT64	SQL_INTEGER	NUMERIC	SQL_NUMERIC
TIMESTAMP	SQL_TYPE_TIMESTAMP	VARCHAR(x) CHARACTER SET UNICODE_FSS	SQL_VARCHAR
DECIMAL	SQL_DECIMAL	DOUBLE	SQL_DOUBLE
FLOAT	SQL_REAL	SMALLINT	SQL_SMALLINT
BLOB	SQL_LONGVARBINARY	DECIMAL(10, 4)	SQL_DECIMAL
INTEGER	SQL_INTEGER	CHAR	SQL_CHAR
DECIMAL(18, 4)	SQL_DECIMAL	VARCHAR	SQL_CHAR
CHAR(x) CHARACTER SET UNICODE_FSS	SQL_VARCHAR	CHAR(38)	SQL_CHAR
BLOB SUB_TYPE TEXT	SQL_LONGVARCHAR		



## ODBC Driver for Firebird

Download Devart ODBC Driver for Firebird to accelerate your productivity and deliver more value to your customers

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