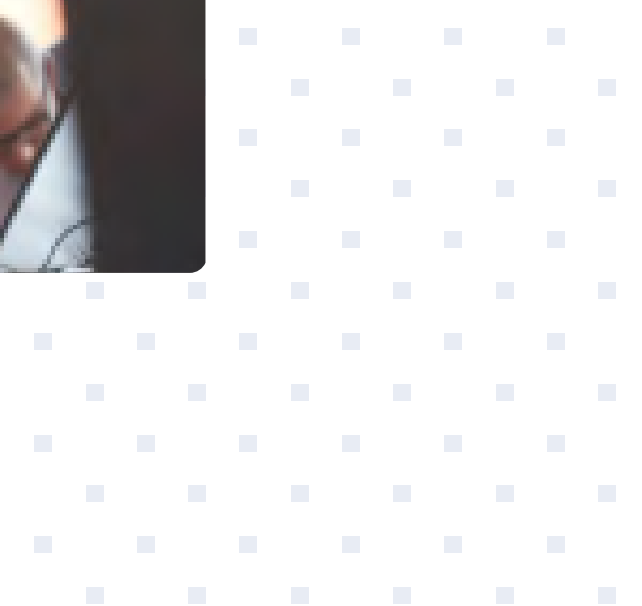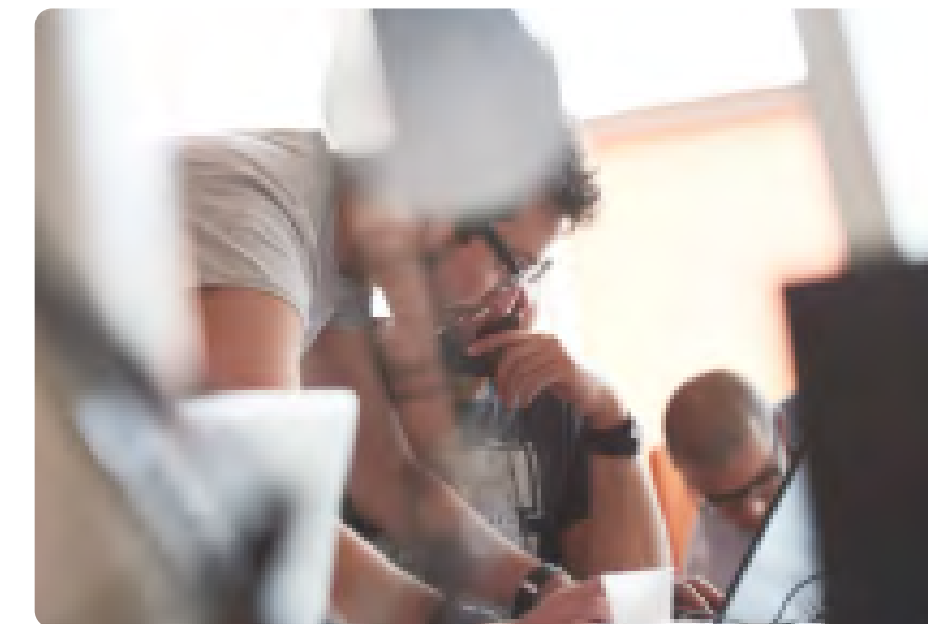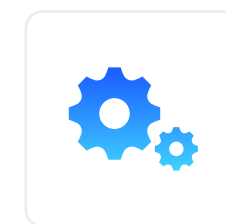devart

ODBC for PostgreSQL

Reliable and Simple PostgreSQL Data Usage

ODBC API Functions Support | Enterprise-level Features | Safe Connection through HTTPS | Data Conversion Options

About Us

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

Some of our popular products include dotConnect for Oracle, an ADO.NET provider for Oracle databases. The company was founded in 1997 and is based in Prague, Czech Republic.

devart

About ODBC driver for PostgreSQL

Devart's ODBC driver for PostgreSQL provides a standard interface for accessing PostgreSQL databases from various programming languages and platforms. It allows developers to write applications that can access PostgreSQL databases using standard ODBC API calls, enabling easy integration with other software systems.

Unicode and ANSI support

The driver supports both Unicode and ANSI applications, making it compatible with various programming languages.

Automatic error reporting

The driver automatically reports errors and exceptions, making it easier for developers to identify and fix issues.

Cross-platform support

The driver supports multiple platforms, including Windows, macOS, and Linux.

SSL encryption

The driver supports SSL encryption, which provides a secure connection between the client and the server.

Performance optimization

The driver uses techniques like connection pooling and data caching to ensure high-speed data access.

Full support for PostgreSQL features

The driver supports all PostgreSQL features, including complex data types, stored procedures, triggers, and more.

Easy installation and configuration

The driver is easy to install and configure, allowing developers to get up and running with their applications quickly.

Getting Started: Installation

Devart's ODBC driver for PostgreSQL provides extensive cross-platform support, making it a flexible and versatile tool for accessing PostgreSQL databases in different development environments and operating systems, such as Windows, Linux, and macOS.

devart

Supported Data Types

Devart's ODBC driver for PostgreSQL supports many data types used in PostgreSQL databases. These data types include:

Numeric data types
integer, smallint, bigint, decimal, numeric, real, and double precision data types.

Date and time data types
date, time, timestamp, and interval data types.

Geometric data types
point, line, lseg, box, path, polygon, and circle data types that represent geometric shapes.

Network address data types
the inet and cidr data types representing IP addresses and networks.

Array data types
allow you to store multiple values of the same data type in a single column.

Composite data types
allow you to create a custom data type by combining multiple data types.

Boolean data type
that represents true or false values.

Character data types
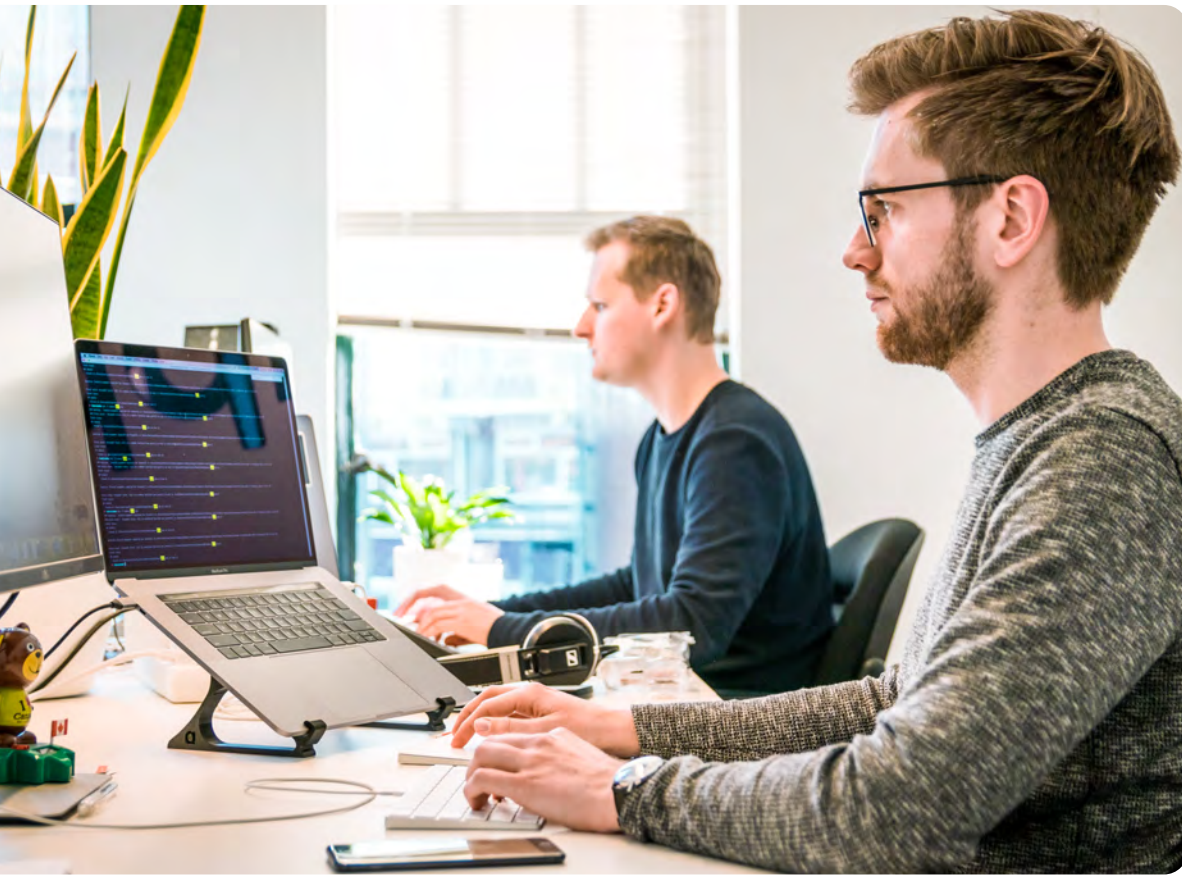character varying, character, text, and varchar data types.

JSON data type
json and jsonb data types that allow you to store and manipulate JSON data.

XML data type
allows you to store and manipulate XML data.

In addition, Devart's ODBC driver for PostgreSQL also supports user-defined data types, allowing you to create custom data types specific to your application's needs.

Connecting String Options

For a full list of options, please refer to the official documentation of the PostgreSQL ODBC driver.

Connecting to PostgreSQL
from Excel using ODBC Driver for PostgreSQL

We prepared a detailed guide on how to use the Devart ODBC driver to connect to PostgreSQL databases and import data into Excel worksheets.

Connecting Power BI to PostgreSQL
via ODBC Driver for PostgreSQL

1. Install the Devart ODBC driver for PostgreSQL on your computer. You can download the driver from the Devart website and follow the installation wizard to complete the setup process.

2. Open Power BI Desktop and click on the "Get Data" button on the Home tab.

3. In the "Get Data" window, select "ODBC" from the list of available data sources.

4. In the "ODBC" window, select the Devart ODBC driver for PostgreSQL from the list of installed drivers.

5. Click on the "Connect" button to open the "ODBC Connection" window.

6. In the "ODBC Connection" window, enter the details of your PostgreSQL database, including the server name, port number, database name, and login credentials. You can also select additional options, such as SSL encryption and read-only access.

7. Click the "OK" button to connect to the PostgreSQL database.

8. Power BI will then display a list of tables and views in the database. Select the tables and views you want to use in your report and click the "Load" button to import the data into Power BI.

9. You can now create your report using the imported data from PostgreSQL.

Connecting Tableau to PostgreSQL
via ODBC Driver for PostgreSQL

1. Install the Devart ODBC Driver for PostgreSQL: You can download the driver from the Devart website and follow the installation instructions.

2. Configure the Devart ODBC Driver for PostgreSQL: Open the ODBC Data Source Administrator on your computer, click on the "System DSN" tab, and click "Add." Select the Devart ODBC Driver for PostgreSQL from the list and click "Finish." Enter the connection details for your PostgreSQL database, including the server name, database name, username, and password.

3. Test the connection: After configuring the Devart ODBC Driver for PostgreSQL, you can test the connection by clicking "Test" in the ODBC Data Source Administrator. If the connection is successful, you will see a confirmation message.

4. Connect Tableau to PostgreSQL: Open Tableau and select "Connect to Data" from the start page. In the "Connect" pane, select "ODBC" and find the Devart ODBC Driver for PostgreSQL data source you created in step 2. Enter your username and password, and click "Sign In."

5. Access your data: Once you are connected to your PostgreSQL database, you can choose the tables or views you want to work with in Tableau. You can also create new visualizations and reports using your PostgreSQL data.

Useful information

How to connect to the Heroku Postgres using our ODBC driver for PostgreSQL

Check the full list of currently supported ODBC API functions

Learn how to use the driver with ODBC

Explore how to connect Microsoft Access to PostgreSQL through the standard ODBC interface.

Find out how to configure Devart ODBC Driver for PostgreSQL for use with sandboxed applications on macOS

View documentation