



Devart Data Access
Components for Delphi

devart

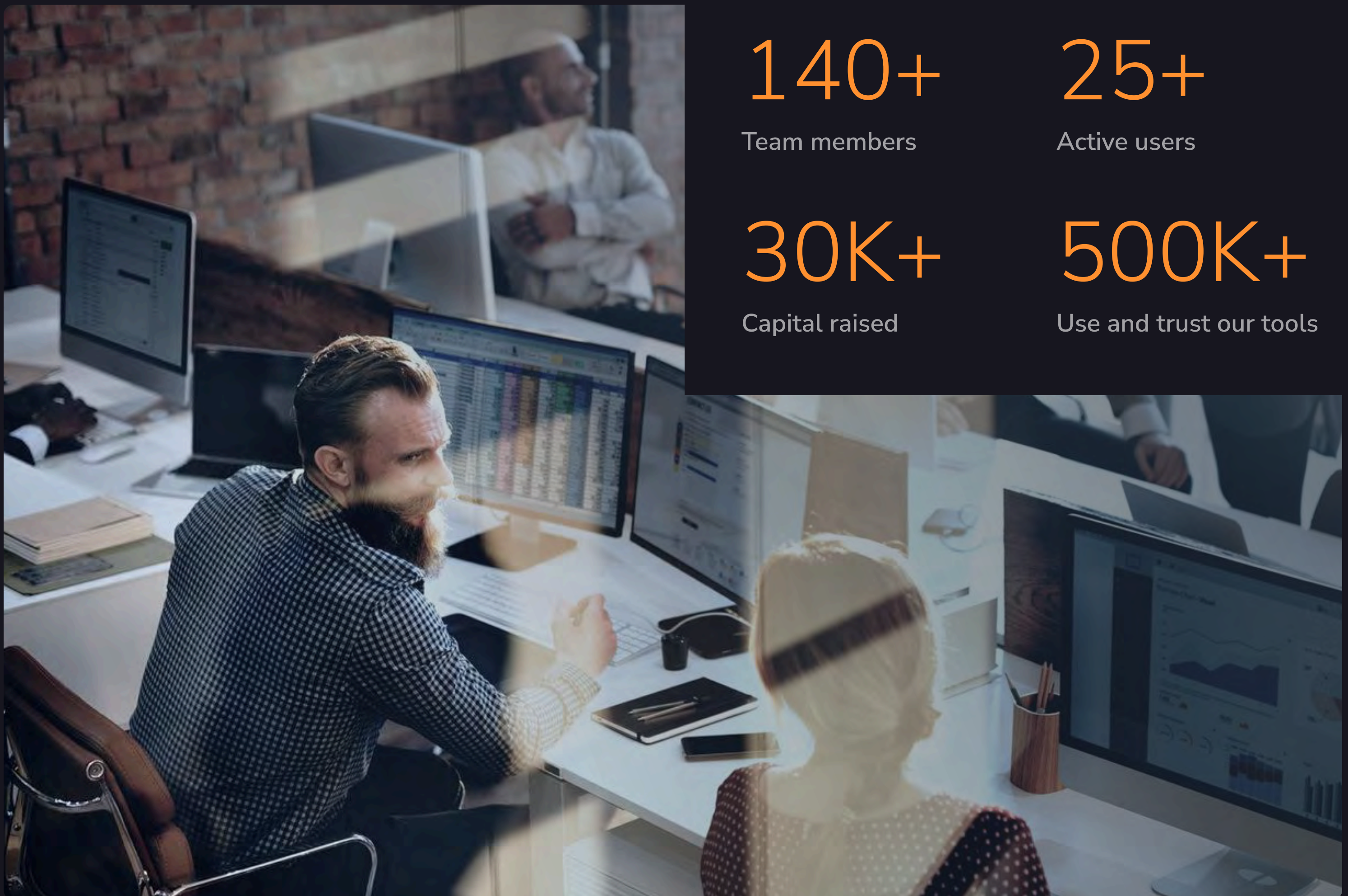
The fastest and most reliable data connectivity tool for Delphi developers

Server-aware providers | Cross-Platform Solution for Delphi, C++Builder and Lazarus
Server-Independent SQL | Access Cloud Services

About Devart

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. Devart was founded in 1997 and is based in Prague, Czech Republic.



140+

Team members

25+

Active users

30K+

Capital raised

500K+

Use and trust our tools

About Data Access Components

Delphi Data Access Components allow developing multi-platform applications in Embarcadero RAD Studio, Delphi, C++Builder, Lazarus, and Free Pascal on Windows, Linux, macOS, iOS, and Android, for both 32-bit and 64-bit platform.

They are terrific tools that provide direct access to popular databases such as Oracle, Microsoft SQL Server, MySQL, InterBase, Firebird, PostgreSQL, SQLite, as well as clouds - Salesforce, FreshBooks, SugarCRM and many others. In addition to these, we offer a mature ORM framework for Delphi, making it a comprehensive solution for all your database connectivity needs.

Installation

This topic contains the environment changes made by the UniDAC installer. If you are having problems with using UniDAC or compiling UniDAC-based products, check this list to make sure your system is properly configured.

Compiled versions of UniDAC are installed automatically by the UniDAC Installer for all supported IDEs except for Lazarus. Versions of UniDAC with Source Code must be installed manually. Installation of UniDAC from sources is described in the supplied *ReadmeSrc.html* file.

Before Installing UniDAC ...

Two versions of UniDAC cannot be installed in parallel for the same IDE, and, since the Devart Data Access Components products have some shared bpl files, newer versions of UniDAC may be incompatible with older versions of ODAC, SDAC, MyDAC, IBDAC, and PgDAC.

So before installing a new version of UniDAC, uninstall any previous version of UniDAC you may have, and check if your new install is compatible with other Devart Data Access Components products you have installed. For more information please see [Using several products in one IDE](#). If you run into problems or have any compatibility questions, please email unidac@devart.com

Note: You can avoid performing UniDAC uninstallation manually when upgrading to a new version by directing the UniDAC installation program to overwrite previous versions. To do this, execute the installation program from the command line with a `/force` parameter (Start | Run and type `unidacXX.exe /force`, specifying the full path to the appropriate version of the installation program).

Installed Packages

Note: `%UniDAC%` denotes the path to your UniDAC installation directory.

Delphi/C++Builder Win32 Project Packages

Name	Description	Location
dacXX.bpl	DAC run-time package	Delphi\Bin; Windows\System32
dacvclXX.bpl*	DAC VCL support package	Delphi\Bin
dcldacXX.bpl	DAC design-time package	Delphi\Bin
unidacXX.bpl	UniDAC run-time package	Delphi\Bin; Windows\System32
unidacvclXX.bpl*	VCL support package	Delphi\Bin
dclunidacXX.bpl	UniDAC design-time package	Delphi\Bin
XXproviderXX.bpl	UniDAC providers packages	Delphi\Bin; Windows\System32
crcontrolsXX.bpl	TCRDBGrid component	Delphi\Bin

Additional Packages For Using UniDAC Managers And Wizards

Name	Description	Location
datasetmanagerXX.bpl	DataSet Manager package	Delphi\Bin

Environment Changes

To compile UniDAC-based applications, your environment must be configured to have access to the UniDAC libraries. Environment changes are IDE-dependent.

For all instructions, replace %UniDAC% with the path to your UniDAC installation directory

Delphi

- %UniDAC%\Lib should be included in the Library Path accessible from Tools | Environment options | Library.

The UniDAC Installer performs Delphi environment changes automatically for compiled versions of UniDAC.

C++Builder

C++Builder 6:

- \$(BCB)\UniDAC\Lib should be included in the Library Path of the Default Project Options accessible from Project | Options | Directories/Conditionals.
- \$(BCB)\UniDAC\Include should be included in the Include Path of the Default Project Options accessible from Project | Options | Directories/Conditionals.

C++Builder 2006, 2007:

- \$(BCB)\UniDAC\Lib should be included in the Library search path of the Default Project Options accessible from Project | Default Options | C++Builder | Linker | Paths and Defines.
- \$(BCB)\UniDAC\Include should be included in the Include search path of the Default Project Options accessible from Project | Default Options | C++Builder | C++ Compiler | Paths and Defines.

The UniDAC Installer performs C++Builder environment changes automatically for compiled versions of UniDAC.

Lazarus

The UniDAC installation program only copies UniDAC files. You need to install UniDAC packages to Lazarus IDE manually. Open %UniDAC%\Source\Lazarus1\dclunidac10.lpk (for Trial version %UniDAC%\Packages\dclunidac10.lpk) file in Lazarus and press the Install button. After that Lazarus IDE will be rebuilt with UniDAC packages.

Do not press the Compile button for the package. Compiling will fail because there are no UniDAC sources

Installation Of Additional Components And Add-Ins

DBMonitor

DBMonitor is a an easy-to-use tool to provide visual monitoring of your database applications. It is provided as an alternative to Borland SQL Monitor which is also supported by UniDAC. DBMonitor is intended to hamper application being monitored as little as possible. For more information, visit the [DBMonitor page online](#).

Migration Wizard

Note: Migration Wizard is only available for Delphi.

UniDAC Migration Wizard allows you to convert your BDE, IBX, ADO, dbGo, ODAC, SDAC, MyDAC, IBDAC, PgDAC, LiteDAC, AnyDAC, FireDAC, and FIBPlus projects to UniDAC.

This wizard replaces the database components in a specified project (.dfm and .pas-files) with UniDAC components.

To convert a project, perform the following steps:

1. Select UniDAC Migration Wizard from the UniDAC menu.
2. Select Replace components and choose the type of the components to replace corresponding ones with UniDAC and press the Next button.
3. Select the location of the files to search - current open project or disc folder.
4. If you have selected Disc folder on the previous step, specify the required folder and specify whether to process subfolders. Press the Next button.
5. Select whether to make backup (it is highly recommended to make a backup), backup location, and log parameters, and press the Next button. Default backup location is RBackup folder in your project folder.
6. Check your settings and press the Finish button to start the conversion operation.
7. The project should be saved before conversion. You will be asked before saving it. Click Yes to continue project conversion. After the project conversion it will be reopened.

The Wizard just replaces all standard database components. Probably you will need to make some changes manually to compile your application successfully.

If some problems occur while making changes, you can restore your project from backup file. To do this perform the following steps:

1. Select UniDAC Migration Wizard from the UniDAC menu.
2. Select Restore original files from backup and press the Next button.
3. Select the backup file. By default it is RExpert.reu file in RBackup folder of your converted project. Press the Next button.
4. Check your settings and press the Finish button to start the conversion operation.
5. Press Yes in the dialog that appeared.

Your project will be restored to its previous state.

Deployment

UniDAC applications can be built and deployed with or without runtime libraries. You can dynamically load packages by choosing `Link with runtime packages` in the `Project Options` dialog box. In earlier versions of Delphi, the option is called `Build with runtime packages`

Deploying Windows Applications Built Without Runtime Packages

It is not required to deploy any files with a UniDAC application built without runtime packages, provided you have UniDAC Standard or Professional Edition. Make sure that your application does not use runtime packages (`Link with runtime packages` is not selected).

Trial Limitation Warning

If you are deploying a UniDAC Trial application, these UniDAC libraries and their dependencies are required even when your application is built without runtime packages (XX depends on the version of your IDE).

<code>dacXX.bpl</code>	mandatory
<code>unidacXX.bpl</code>	mandatory
<code>rtlXX.bpl</code>	mandatory
<code>dbrtlXX.bpl</code>	mandatory
<code>vcldbXXX.bpl</code>	mandatory

Deploying Windows Applications Built With Runtime Packages

You can build applications with runtime packages by selecting `Link with runtime packages` in `Project Options` before compiling the application. You must deploy these BPL files with your application (XX depends on the version of your IDE or the name of the provider).

<code>dacXX.bpl</code>	mandatory
<code>unidacXX.bpl</code>	mandatory
<code>XXproviderXX.bpl</code>	for each necessary provider
<code>dacvclXX.bpl</code>	if an application uses the <code>UniDacVcl</code> unit
<code>unidacvclXX.bpl</code>	if an application uses the <code>UniDacVcl</code> unit
<code>dacfmXX.bpl</code>	if an application uses the <code>UniDacVcl</code> unit
<code>unidacfmXX.bpl</code>	if an application uses the <code>UniDacVcl</code> unit
<code>XXdacXX.bpl</code>	for each necessary provider (only in <code>Express Edition</code>)
<code>crcontrolsXX.bpl</code>	if an application uses the <code>CRDBGrid</code> component
<code>tdsproviderXX.bpl</code>	if an application connects in the <code>Direct</code> mode
<code>odbcproviderXX.bpl</code>	if an application connects through an <code>ODBC</code> driver
<code>vqueryXX.bpl</code>	if an application connects to <code>DBF</code> files

Note: If you have UniDAC Express Edition, you must deploy `XdacXX.bpl` with your application because in Express Edition, `XXproviderXX.bpl` is just a wrapper around `XdacXX.bpl`. It is not required to deploy the `XdacXX.bpl` file with the application if you have UniDAC Professional or Standard Edition because the `XXproviderXX.bpl` file already includes the functionality of `XdacXX.bpl`.

Note that UniDAC Trial requires deployment of additional BPL files regardless of `Link with runtime packages`.



Devart Data Access Components for Delphi

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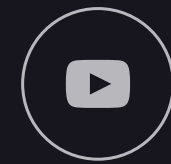
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