

# Delphi 2010 FAQ

## Delphi® - Frequently Asked Questions

### GENERAL QUESTIONS

#### What is Delphi?

Delphi 2010 - Used by millions of developers and supported by thousands of 3rd party components and add-ons, Delphi 2010 is the premier rapid application development environment for building high-performing end-user focused applications. Delphi combines a leading-edge object-oriented language, ultra-fast native compilation, heterogeneous database connectivity, and a rich visual component framework to enable you to deliver powerful applications up to 5x faster and with fewer developers across multiple Windows and database platforms. Delphi's fully visual two-way RAD IDE powers hundreds of time-saving features designed to simplify and speed visual and data-intensive applications – from native Windows GUI desktop applications to interactive touch-screen, kiosk, and database-driven multi-tier Web applications and services.

#### Which editions are available and what are the differences between the editions?

##### Delphi Professional

Delphi 2010 Professional is designed for developers building high-performance desktop GUI and touch-screen applications with (or without) embedded and local database persistence. Delphi 2010 Professional's ability to generate fast single exe Windows applications with rich user experiences makes it especially well suited for ISVs building highly-graphical "packaged" Windows applications that seamlessly support an array of Windows versions without modification. Features include:

- Local database connectivity to InterBase®, Blackfish™ SQL and MySQL
- Blackfish SQL deployment on systems with 1 user, 512MB database size
- VCL for the Web with limit of 5 connections
- UML code visualization, providing a visual representation of source code for easier understanding

##### Delphi Enterprise

Delphi 2010 Enterprise is designed for developers building rich, data-oriented client/server and multi-tier GUI and Web applications that work seamlessly with a wide variety of database servers and data sources. Delphi Enterprise's high-performance heterogeneous database server support is ideal for multi-vendor database server scenarios, or building turnkey applications that can work with a wide array of database servers. Delphi Enterprise includes everything in the Professional edition, plus the following for building client/server and multi-tier database and Web applications:

- Database server connectivity to InterBase, Blackfish SQL, Firebird, MySQL, Microsoft SQL Server, Oracle, DB2, Informix and Sybase
- DataSnap multi-tier application development
- Blackfish SQL deployment on systems with 5 users, 2GB database size
- VCL for the Web with no connection limit

- Full two-way UML modeling capabilities with multiple diagram types, synchronization between code and models, documentation generation, and design patterns

## Delphi Architect

Delphi 2010 Architect is designed for developers and teams building data-intensive client/server GUI and Web applications with large or complex enterprise database systems. Delphi Architect combines data-driven rapid application development and heterogeneous high-speed data access with rich visual data modeling to help developers understand, design, and get the most value out of existing enterprise databases and data structures. Delphi Architect includes everything in the Enterprise edition plus powerful database modeling and design capabilities:

- Reverse-engineer, analyze, and optimize databases
- Automatically generate database code from models for forward engineering
- Create logical and physical models based on information extracted from databases and script files
- Work with highly readable and navigable diagrams
- Advanced compare and merge with bidirectional comparisons and merges of model and database structures

## What does Delphi include?

**Delphi 2010** – Delphi 2010 is the premier rapid application development environment for Windows, enabling you to quickly and easily deliver powerful applications across multiple Windows and database platforms.

**ER/Studio 8.0 Developer Edition** (full license in Delphi Architect, trial license in Delphi Pro/Ent) – ER/Studio helps data architects discover, document, and re-use data assets and gives you the power to easily reverse-engineer, analyze, and optimize existing databases.

**Blackfish™ SQL RAD Studio Edition** – Blackfish SQL is a high-performance, small-footprint, SQL-92 compliant transactional database. Delphi includes the Blackfish SQL software with a license for development and deployment of Blackfish SQL in certain situations at no additional cost.

**InterBase SMP 2009 Developer Edition** – InterBase SMP 2009 Developer Edition provides developers with the best cross-platform database to build and test database applications for embedded and SME applications.

**InstallAware Express** – InstallAware Express provides an unsurpassed feature set, enabling you to build sophisticated installations in record time without any programming or scripting skills.

**Partner Software** – Delphi users have access to a variety of free and trial editions of tools and components from Embarcadero Technology Partners accessible from the product launcher as either a partner DVD ISO or online from the Embarcadero developer network.

## What is Embarcadero® RAD Studio?

Embarcadero RAD Studio 2010 is the industry's most powerful rapid application development suite for visually building GUI-intensive, data-driven end-user applications for both native Windows and .NET. RAD Studio includes Delphi®, C++Builder and Delphi Prism™, enabling developers to deliver applications up to 5x faster across multiple Windows and database platforms.

## What is Embarcadero All-Access?

If you want to go beyond Windows application development with additional tools for .NET, Java, PHP and Ruby on Rails coding; plus a complete set of database tools, Embarcadero All-Access is the solution for you.

Embarcadero All-Access provides all the application development and database tools you need-when you need them-across all major platforms, frameworks, and programming languages. It's the single, cost-effective toolbox solution for developers, architects, performance testers, and DBAs.

All-Access provides you with industry-leading database tools, including DBArtisan®, Rapid SQL®, ER/Studio®, and many more. It also provides powerful application development tools, including Delphi®, JBuilder®, C++Builder, Delphi Prism™ the InterBase SMP database, and more.

## Where can I purchase Delphi? How much does it cost?

You can purchase Delphi from one of our valuable partners or our online Embarcadero Shop site. See [http://www.embarcadero.com/products/how\\_to\\_buy.php](http://www.embarcadero.com/products/how_to_buy.php) for more information.

## What is Support and Maintenance for Delphi?

Support and Maintenance can be purchased at the time you purchase your Delphi product or upgrade. The support and maintenance agreement gives you a year of upgrades (including major and minor upgrades) and a specified number of support incidents. See the Support dropdown menu item of our web site for additional information.

## Where can I get the latest updates for Delphi?

Updates and additional software for Delphi users are available on the registered users download page at <http://cc.embarcadero.com/reg/delphi>. More major new feature upgrades are available only to users with current Maintenance agreements. Notifications for those upgrades are delivered via email and the upgrades can be downloaded via the Maintenance Portal web site by following the instructions in the email.

## Is Delphi available in languages other than English?

Delphi is available in English, French, German and Japanese. The installer lets you choose any combination of languages and in 2010 it's easy to switch between languages in the IDE.

## Which types of licenses are available?

Delphi is available with multiple licensing options including:

- Individual named user licenses
- Named and concurrent user licenses managed using the Embarcadero License Server or FLEXnet which provide the additional flexibility of managing licenses on a license server
- 5-pack and 10-pack licenses at discounted prices
- Academic individual licenses for students and educators
- Academic volume licenses for classroom use

## What are the limitations of the Academic editions?

The Academic edition can be used only for learning in an academic or classroom environment. Educational institutions cannot use the academic version to produce software for use within their institution.

## Who qualifies for the upgrade pricing on Delphi 2010?

- Professional upgrade eligibility – Upgrade pricing is available to registered owners of 2006-2009 versions of Borland Developer Studio, CodeGear RAD Studio, Delphi, Delphi Prism, or C++Builder; or Turbo Professional products. Special Limited Time Only thru Dec 31, 2009 all classic versions 1 thru 2005 also qualify for upgrade pricing.
- Enterprise upgrade eligibility – Upgrade pricing is available to registered owners of 2006-2009 versions of Borland Developer Studio, CodeGear RAD Studio, Delphi, Delphi Prism or C++Builder Professional or Enterprise products. Special Limited Time Only thru Dec 31, 2009 all classic versions 1 thru 2005 also qualify for upgrade pricing.
- Architect upgrade eligibility – Upgrade pricing is available to registered owners of 2006-2009 versions of Borland Developer Studio, CodeGear RAD Studio, Delphi, Delphi Prism or C++Builder Enterprise or Architect products. Special Limited Time Only thru Dec 31, 2009 all classic versions 1 thru 2005 also qualify for upgrade pricing.

## I'm still on a much older version of Delphi. Do I still qualify for upgrade pricing?

Yes. For a limited time only thru Dec 31, 2009 all classic versions 1 thru 2005 also qualify for upgrade pricing

## How is Blackfish SQL licensed in Delphi?

Blackfish RAD Studio Editions are specially licensed versions of Blackfish SQL included with CodeGear RAD Studio, Delphi Prism, Delphi and C++Builder.

Architect and Enterprise editions of the IDEs include unlimited Blackfish SQL database desktop or server deployment on systems with up to 5 users / 20 connections, and support for databases up to 2GB.

Professional editions of the IDEs include unlimited Blackfish SQL desktop database deployment on systems with 1 local user / 4 connections, and support for databases up to 512 MB.

See the license terms in the Delphi license.rtf file for further information.

## How is InterBase licensed in Delphi?

InterBase 2009 Developer Edition is InterBase SMP 2009 Server licensed for up to 20 users and 80 logical connections. You can install InterBase Developer Edition on a server for testing purposes using the serial number included in the Delphi 2010 readme file or you can download and request a serial number from the InterBase download page at <https://downloads.embarcadero.com/free/interbase>.

When you're ready to deploy applications using InterBase, Embarcadero offers a variety of editions (Desktop, Server and To-Go) and a variety of licensing options (flexible server licensing, multi-packs and OEM licensing). Contact Embarcadero Sales or partners for more information. See the license terms in the Delphi license.rtf file for additional licensing details.

## TECHNICAL QUESTIONS

## Can I develop applications on one version of Windows and deploy to others?

Yes. You develop applications on the Windows OS that is most productive for you, so you can develop applications on your choice of operating systems (Windows 7, Windows Vista, XP, Server 2008 or Server 2003). Applications built with Delphi will run on all of those Windows versions plus Windows 2000.

## **Will applications built with Delphi 2010 run on older versions of Windows including Windows 2000, 95, 98 and Me?**

Because of the use of Unicode as the default string type, Windows 98, 95, and ME will not run applications produced with Delphi 2010. These operating systems do not support Unicode strings, and Microsoft has dropped support for them. Applications built with Delphi 2010 will run on Windows 2000.

## **What are the pre-requisites for installing Delphi?**

To install, you will need to have installed on your system:

- The Microsoft .NET Framework 2.0 or higher
- The Microsoft Visual J# 2.0 Redistributable Package
- Windows Internet Explorer® 6.0 or higher
- MSXML 6

The installer will install the prerequisite software if you don't already have it installed.

## **I'm wondering about moving my existing code to Unicode. What do I need to do?**

Most existing code will work fine using the new default UnicodeString. Code that does byte level manipulation of string data, or that carries data in string variables probably needs to be examined and perhaps updated to account for the new character sizes inherent in Unicode string data. For more information, see the documentation and Embarcadero Developer Network for information about moving existing code to Unicode.

## **Do I have to register my copy of Delphi?**

Yes. When you first run the product, a small application will open and ask you to register the product. Once that is done, and your product key is validated, then your product will be registered and installed.

## **Can I open my projects created with earlier versions of Delphi?**

Yes, you should be able to do so, depending on the installed components required by your projects. Delphi 2010 uses the MSBuild system for the build engine, and thus requires a new project file if you are upgrading from version 2007 or earlier. However, the IDE will seamlessly update your projects to the new format.

## **What if I need to deploy Blackfish SQL in situations beyond those allowed with the license included Blackfish SQL RAD Studio Edition license?**

Additional Blackfish SQL deployment licenses are available separately for purchase. See the Embarcadero online shop site for your country or your favorite Embarcadero reseller partner for pricing.

## **Can I develop .NET applications with Delphi 2010?**

No. Delphi 2010 produces only native Win32 binaries. You can import .NET assemblies as COM objects, but the code produced by Delphi 2010 is strictly native Win32 code. Embarcadero offers

Delphi Prism for .NET development with a Delphi-based language. Delphi Prism is available standalone or combined with Delphi 2010 in Embarcadero RAD Studio 2010.

## **Why do I need to install the Microsoft .NET runtimes and SDK with Delphi?**

Some of the functionality of the IDE requires these software packages.

## **Will my users / customers need the .NET runtimes / SDK in order to run my apps built with Delphi?**

No. Applications produced with Delphi 2010 do not require any .NET runtime support. The product produces pure native Windows applications.

## **What are the differences between the ER/Studio Developer Edition data modeling capabilities in Delphi Architect and the standard ER/Studio product?**

The ER/Studio data modeling and visualization in Delphi Architect is a subset of the full ER/Studio. Delphi Architect doesn't include metadata import/export capabilities or access to ER/Studio team repository servers. It includes limited reporting functionality (HTML only). The ER/Studio functionality in Delphi Architect supports a specific set of databases in line with those supported by dbExpress, while the full ER/Studio products offer flexible configurations for those databases and more.

## **Can I install Delphi 2010 on a machine with previous versions of RAD Studio, Delphi or C++Builder on it?**

Yes, Delphi 2010 coexists nicely with earlier versions of RAD Studio, C++Builder and Delphi.

## **Are there new COMPILERVERSION and RTLVERSION values defined for Delphi 2010?**

Yes. For Delphi 2010, COMPILERVERSION is set to 21.0, and RTLVERSION is set to 21.0.