

RAD Studio 2009 FAQ

GENERAL QUESTIONS

What is CodeGear RAD Studio?

CodeGear™ RAD Studio 2009 is a complete rapid application development solution with everything software developers and ISVs need for building native Windows®, .NET, Web, and database applications. Native Windows development is provided by the acclaimed Delphi® 2009 and C++Builder® 2009 IDEs - the fastest way to build highly performant native Windows applications. Delphi and C++Builder include visual designers and hundreds of components to easily create rich user interfaces and versatile database applications. RAD Studio's Delphi Prism™ enables development for both .NET and Mono, and provides support for the latest .NET 3.5 Framework technologies including ASP.NET, WinForms, WPF and LINQ.

When will RAD Studio 2009 be available?

RAD Studio 2009 is scheduled to be generally available in December 2008.

When will a RAD Studio 2009 Trial be available?

The RAD Studio 2009 Trial is scheduled to be available in December 2008.

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

RAD Studio Professional

RAD Studio Professional includes highly productive IDEs for native Windows and .NET development. The Unicode enabled Delphi and C++Builder IDE for native development includes hundreds of ready-to-use components and features like refactoring, code completion, syntax highlighting, live templates, full-featured debugging, and unit testing. The Delphi Prism IDE supports .NET development with support for the latest .NET technologies.

- Local database connectivity to InterBase®, Blackfish™ SQL and MySQL in Delphi and C++Builder
- Database connectivity available in Visual Studio via ADO.NET including local database connectivity to InterBase and Blackfish in Delphi Prism
- Blackfish SQL deployment on systems with 1 user, 512MB database size
- VCL for the Web with limit of 5 connections

RAD Studio Enterprise

RAD Studio 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, MySQL, Microsoft SQL Server, Oracle, DB2, Informix and Sybase when building native Windows applications
- Remote server connectivity to InterBase and Blackfish SQL when building .NET applications

- DataSnap multi-tier database application development and .NET DataSnap client development
- Blackfish SQL deployment on systems with 5 users, 2GB database size
- VCL for the Web with no connection limit
- Additional UML modeling capabilities

RAD Studio Architect

RAD Studio 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

I've heard that RAD Studio includes a new .NET development solution called Delphi Prism. What is Delphi Prism?

Delphi Prism is the new .NET development solution from Embarcadero Technologies. In this Visual Studio based solution you'll be able to use your existing Delphi programming skills to build .NET applications, taking advantage of the latest and greatest .NET technologies such as WinForms, WPF, ASP.NET and LINQ. You will of course also be able to develop database applications using familiar dbExpress functionality and .NET clients that connect to native DataSnap servers. Delphi Prism Architect includes database modeling and design capabilities based on ER/Studio that enable developers to design, model, and better understand their databases.

Where can I purchase RAD Studio? How much does it cost?

You can purchase online from the CodeGear Shop site or from our reseller partners. See <http://www.codegear.com/buy?link=10,660> for ordering information and pricing.

What is Support and Maintenance for RAD Studio?

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.

Will localized versions will be available?

RAD Studio will be available in English, French, German and Japanese.

Which types of licenses will be available?

RAD Studio will be available with multiple licensing options including:

- Individual named user licenses
- Named and concurrent user licenses managed using the Embarcadero license server or FLEXnet
- 5-pack and 10-pack licenses at discounted prices
- Academic individual licenses for students and educators and academic volume licenses for classroom use

What are the limitations of the Academic products?

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 2009?

- **Professional Upgrade** – owners of any previous Professional edition of CodeGear RAD Studio, Borland Developer Studio, Delphi, Kylix, C++Builder, Turbo Delphi or Turbo C++
- **Enterprise Upgrade** – owners of any previous Enterprise or Professional edition of CodeGear RAD Studio, Borland Developer Studio, Delphi, C++Builder, Kylix, Turbo Delphi or Turbo C++
- **Architect Upgrade** – owners of any previous Architect or Enterprise edition of CodeGear RAD Studio, Borland Developer Studio, Delphi, C++Builder, or Kylix

I'm still on a much older version of Delphi or C++Builder. Do I still qualify for upgrade pricing?

Yes. The upgrade pricing is available to owners of any earlier version.

TECHNICAL QUESTIONS

DELPHI QUESTIONS

Can I develop applications in Windows 2000 or XP that run on Vista and vice versa?

Delphi lets 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 Vista, XP, 2000, Server 2008 or Server 2003) and then deploy on any or all of them.

What are the pre-requisites for installing Delphi 2009?

To install Delphi 2009, 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 Delphi installer will install the prerequisite software if you don't already have it installed.

Has install performance been improved since Delphi 2007?

Yes, install performance is significantly faster than it was for the previous version.

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 CodeGear Developer Network for information about moving existing code to Unicode.

Do I have to register my copy of RAD Studio?

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 Delphi 7, 2005, 2006 and 2007 in Delphi 2009?

Yes, you should be able to do so, depending on the installed components required by your projects. Delphi 2009 uses the MSBuild system for the build engine, and thus this new release 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.

Will localized versions of Delphi 2009 be available, and if so, when?

Delphi 2009 is available in English, German, Japanese, and French. All four languages are available immediately. We have made great strides in our internationalization process that will allow us to remove the delays for releasing localized versions of our products.

What if I need to deploy Blackfish SQL in situations beyond those allowed with the license included in Delphi?

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

What's different about Delphi versus competing products?

Delphi is the only RAD IDE for Windows 2000, XP, and Vista. Delphi not only runs on all three platforms, but also lets you develop for any of the three. For example you could be running Windows 2000 while developing an application for Vista. This gives you the flexibility to run the OS the best suits your needs, while still developing for all the platforms.

Can I develop .NET applications with Delphi 2009?

No, Delphi 2009 produces only native Win32 binaries. You can import .NET assemblies as COM objects, but the code produced by Delphi 2009 is strictly native Win32 code. You can use Delphi Prism in RAD Studio to build .NET applications.

Why do I need to install the Microsoft .NET 2.0 runtimes and SDK with Delphi 2009?

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?

No. Applications produced with Delphi 2009 do not require any .NET runtime support. The product produces pure native Win32 applications.

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

The ER/Studio data modeling and visualization in C++Builder Architect is a subset of the full ER/Studio. C++Builder Architect doesn't include metadata import/export capabilities, reporting capabilities or access to ER/Studio team repository servers. The ER/Studio functionality in C++Builder Architect supports a specific set of databases in line with those supported by dbExpress.

Can I install Delphi 2009 on machines with previous versions of Delphi on it?

Yes, Delphi 2009 coexists nicely with all previous versions of Delphi.

Are there new COMPILERVERSION and RTLVERSION values defined for Delphi 2009?

Yes. For Delphi 2009, COMPILERVERSION is set to 20.0, and RTLVERSION is set to 20.0.

Will applications build with Delphi 2009 run on Win95/98/Me?

Because of the use of Unicode as the default string type, Windows 98, 95, and ME will not run applications produced with Delphi 2009. These operating systems do not support Unicode strings, and Microsoft has dropped support for them.

C++BUILDER QUESTIONS

How have you improved conformance and compatibility to ISO C++ in the release of C++Builder 2009?

We have tightened our adherence to the standards with several modifications to our compiler. We are delivering an implementation of the first Library Technical Report, and previewing features planned for the next version of the C++ standard, informally known as C++0x

What is Standard Library Technical Report 1?

TR1 is the first official ISO extension to the C++ Standard Library, including many components to enhance library use and development, including a reference counted smart pointer and function call wrapper for better resource management; tuple, array and hashing containers; regular expressions; random numbers; improved function binders to simplify calling library algorithms; and type traits.

More details may be found in the final public draft available on the ISO committee website at: <http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2005/n1836.pdf>

What is C++0x?

C++0x is the informal name for the next version of the C++ Standard. While the standard expected until late 2010 many features are now well defined. More details may be found on the ISO committee website. A good place to start would be:

<http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2008/n2705.html>

What have you done to improve Delphi compatibility?

As the Delphi language has evolved, small incompatibilities with C++ have emerged that might show up in 3rd party controls developed in the Object Pascal language. C++Builder 2009 address that with support for virtual class methods, static properties and more.

What's different about C++Builder versus competing products?

C++Builder is the only RAD C++ IDE for Windows 2000, XP, and Vista. C++Builder not only runs on all three platforms, but also lets you develop for any of the three. For example you could be running Windows 2000 while developing an application for Vista. This gives you the flexibility to run the OS the best suits your needs, while still developing for all the platforms.

DELPHI PRISM QUESTIONS

Which version of the .NET Framework do I have to have installed to run Delphi Prism?

You must have the .NET Framework 3.5 installed to install and run Delphi Prism.

Do assemblies produced with Delphi Prism require the .NET Framework 3.5?

No -- Delphi Prism can be targeted to link against any version of the .NET Framework from version 1.1 up. The developer can choose which version to link against.

Do I have to buy Visual Studio 2008 from Microsoft in order to use Delphi Prism?

No. Delphi Prism contains a full copy of the Visual Studio Shell. If your machine doesn't have a copy of either the Shell or a Visual Studio Professional edition or above already installed, Delphi Prism will install the Visual Studio Shell for you before installing the Delphi Prism language plug-in and features.

What will happen if I install Delphi Prism and I already have a copy of Visual Studio 2008 installed on my computer?

If you already have a copy of Visual Studio Professional or higher installed, Delphi Prism will integrate directly into your existing install automatically.

When I run Delphi Prism, I see “Microsoft Visual Studio” in the title bar. What is up with that?

Delphi Prism runs inside the Visual Studio Shell. This is basically the Visual Studio IDE without any language plug-ins from Microsoft. Thus, you see the Microsoft branding. But rest assured that you can see Delphi Prism as soon as you select the File|New... menu.

Can I add C# or VB.NET functionality to Delphi Prism with the Visual Studio Express products from Microsoft?

No. Because of the way that the Microsoft Express products are installed, they will not integrate directly into installation of Visual Studio Shell. However, Delphi Prism and the Visual Studio Express products can reside on the same machine together and can be run side-by-side. However, if you have Delphi Prism installed, and then install Visual Studio 2008 Professional or above, you will get the VS 2008 functionality in the same IDE as Delphi Prism.

What platforms will my Delphi Prism applications run on?

Delphi Prism applications will run almost anywhere the Common Language Runtime (CLR) exists. Delphi Prism applications will take full advantage of the .NET 3.5 Framework on Windows. Delphi Prism applications will also work on Mono for Linux. In addition, Delphi Prism applications will execute on Mono for the Mac.

Does Delphi Prism include support for VCL.NET?

No. Development for VCL.NET has been deprecated and will not be supported in Delphi Prism. Developers using VCL.NET can either use Delphi 2007 to continue those products or can migrate their VCL.NET applications to VCL for Win32.

Will my existing Delphi for Win32 code compile in Delphi Prism?

Probably not without some changes. While the languages used by Delphi for Win32 and Delphi Prism are very similar, they are not entirely compatible. Each language has features and idioms designed specifically for the platforms that they are meant to run on. However, the languages are close enough that code written for one can usually be used on the other with minor changes.

Is there any way to make the Delphi Prism language more compatible with my Win32 Delphi code?

Yes – Delphi Prism includes a “compatibility” switch which enables certain language features that will be more familiar to Delphi for Win32 developers. This option can be set on a per-project basis as part of the project options tab.

Can I build applications for the Compact Framework using Delphi Prism?

Delphi Prism will compile against the CF assemblies. However, there is no design-time support as the Compact Framework designers are closely integrated with the C# and VB.NET personalities of Visual Studio and not available for use by other language plug-ins.

Who wrote the compiler used in Delphi Prism?

The Delphi Prism compiler was written by RemObjects. It is the same compiler that formed the basis of their Chrome and Oxygene products, which are now being superseded by Delphi Prism

What is the relationship between RemObjects and Embarcadero?

RemObjects Software and Embarcadero are close partners. Embarcadero licenses technology from RemObjects Software that is included in Delphi Prism. Both companies are committed to working together towards advancing the product as it continues to thrive and evolve.