

Borland® Delphi™ 2005

Frequently Asked Questions

General Questions

What is Borland® Delphi™ 2005?

Borland Delphi 2005 is the ultimate development solution for Windows.® With Delphi, C#, Microsoft® .NET Framework and Win32® support for GUI, Web, database, modeling, and ALM in one hyperproductive RAD environment, Delphi 2005 takes the power of Delphi to the next level, making Windows development tasks faster, better, and easier. Designed for developers, Delphi 2005 combines the familiar power of Delphi with productivity-boosting features, more languages and SDKs, and streamlined ALM integration—putting the “fast and fun” back into Windows development. New technologies for the Microsoft .NET Framework and Win32—refactoring, unit testing, model-driven ASP.NET Web development, and more—take Windows development to the next level.

How is Delphi 2005 packaged?

Delphi 2005 comes in three editions—Architect, Enterprise, and Professional.

How can I order Delphi 2005?

Borland is a worldwide organization with offices in Europe, South America, Asia Pacific, and the United States. Visit http://www.borland.com/company/borland_worldwide.html to find your local Borland office.

Where can I learn more about Delphi 2005?

Find more information on the Borland Web site at <http://www.borland.com/delphi> . The Borland Developer Network site has newsgroups, developer community information, and more at <http://bdn.borland.com> .

What new features are included in Delphi 2005?

Delphi 2005 includes a range of enhancements and new features for the professional, enterprise, and architect developer. Some of these are included in the chart below.



Feature summary	Delphi Win32	Delphi .NET	C#	Arch	Ent	Pro
Agile architecture, flexibility, and rapid development						
Now! Both Delphi and C# languages!	▪	▪	▪	X	X	X
Now! Both Microsoft .NET and Win32 support	▪	▪	▪	X	X	X
New! Win32 Delphi compiler function inlining for better application performance	▪			X	X	X
New! Refactoring, rename, extract method, create variable, and more	▪	▪	▪	X	X	X
New! Integrated unit testing with both DUnit and NUnit testing frameworks	▪	▪	▪	X	X	X
New! History Manager with file differencing and file restore	▪	▪	▪	X	X	X
New! SyncEdit – block edit multiple instances of a symbol simultaneously	▪	▪	▪	X	X	X
New! Help Insights – help tool tips provide fast help snippets right in the editor!	▪	▪	▪	X	X	X
New! Multimode debugging for combined .NET and Win32 projects	▪	▪	▪	X	X	X
New! Delphi multi-unit namespaces		▪	▪	X	X	X
Accelerating model-powered development						
New! Borland® Enterprise Core Objects (ECO™) II MDA with scalable ECO Spaces and O/R mapping		▪	▪	X		
New! ECO II support for ASP.NET Web forms and Web Services development		▪	▪	X		
New! ECO II dbWeb Support for RAD model-driven Web forms development		▪	▪	X		
Superior Web development with ASP.NET						
Enhanced! RAD WYSIWYG ASP.NET Web forms development		▪	▪	X	X	X
Enhanced! dbWeb RAD ADO.NET data-driven Web forms components		▪	▪	X	X	
New! Atozed IntraWeb RAD Web application development for Win32 and .NET	▪	▪		X	X	
New! IntraWeb RAD Web page development for both Win32 and .NET	▪	▪		X	X	X
New! Deployment Manager for ASP.NET and IntraWeb application deployment	▪	▪	▪	X	X	
Powerful database development with Delphi RAD for ADO.NET						
New! RAD for ADO.NET remoting		▪	▪	X	X	
Enhanced! Borland® dbExpress™ VCL and VCL.NET database server support for InterBase®, Oracle®, IBM® DB2®, Microsoft® SQL Server™ 2000, Informix®, SQL Anywhere®, MySQL®, and Sybase®	▪	▪		X	X	
Enhanced! Borland Data Provider (BDP) for ADO.NET database server support for Borland® InterBase®, Oracle®, IBM DB2®, Microsoft SQL Server 2000, and Sybase		▪	▪	X	X	
Now! dbGO for ADO for both .NET and Win32!	▪	▪		X	X	X
New! dbHub and dbSync ADO.NET multiprovider resolving		▪	▪	X	X	
Integrated ALM solutions						
New! Native Borland® StarTeam® IDE Integration	▪	▪	▪	X	X	X
StarTeam 6.0 Standard edition license	▪	▪	▪	X	X	
Royalty Free! MIDAS/DataSnap multi-tier deployment license	▪			X	X	

As a Borland® C#Builder™ developer, what is my upgrade path?

Delphi 2005 is the upgrade for C#Builder. Borland has fully upgraded, enhanced, and combined C#Builder into Delphi 2005. Any C#Builder 1.0 developer is entitled to Delphi 2005 upgrade pricing to enjoy the C# advantages and benefits of this release.

Technical Questions

Is the VCL (visual component library) included in Delphi 2005?

Yes. Delphi 2005 includes both an updated classic VCL for Win32 and VCL for .NET. VCL for the Microsoft .NET Framework is a set of standard VCL controls that help make transitioning Delphi skills and source code to .NET even easier. In addition to the standard VCL visual controls, a robust set of database controls is supplied to make the transition of existing database applications easier. These include Borland® Database Engine (BDE), Borland® dbExpress,™ and Borland® InterBase Express™ components and drivers for a wide variety of database engines and servers. Delphi 2005 also includes both design and development support for Microsoft .NET Windows® Forms.

Can I continue using my existing Win32 Delphi applications in Delphi 2005?

Yes, Delphi 2005 supports maintaining and extending existing Win32 VCL-based Delphi applications. Delphi 2005 includes dozens and dozens of new “must-have” features and enhancements for Win32 development. Delphi 2005 also makes it easier to bring existing VCL applications to .NET using Delphi 2005 VCL controls for the .NET Framework. Direct Win32 API calls and external x86 DLLs are supported with minor source code changes. Existing third-party Win32 VCL controls are not directly supported; however, many are expected to be available in .NET variants.

Will Delphi 2005 support .NET on non-Windows platforms?

The .NET support in Delphi 2005 is designed and tested for .NET on the Windows platform. Delphi 2005 Microsoft .NET applications might run on non-Windows .NET implementations; however, Borland is not testing or certifying on non-Windows platforms.

Does .NET support existing COM and COM+ components?

Yes. Delphi 2005 continues to support Component Object Model (COM) and COM+ components in Win32 VCL applications. In addition, when building Delphi applications for .NET, the Microsoft .NET Framework enables you to call existing COM and COM+ components, and it enables .NET Framework-based components to be exposed to COM and COM+ development. Additionally, considerable COM+ 1.0 “plumbing” has been simplified in the .NET Framework.

What are Borland® Enterprise Core Objects (ECO™) II?

ECO is a runtime platform that manages a software application's infrastructure, allowing developers to focus on business requirements rather than on application infrastructure.

An application built on ECO is powered by a Unified Modeling Language™ (UML®) model in runtime—a model that allows the ECO platform to map objects to persistent storage, display objects in a user interface, version objects if desired, cache objects for better performance, evaluate constraints, allow for object-level transactions, and much more.

The ECO design-time tools consist of the ECO Space Designer, ECO wizards, and ECO components. Together with the integrated UML class diagram designer, these ECO components enable developers to work with a design-driven approach, developing applications that use real-world objects such as Order and Customer.

What are the advantages of using ECO?

When developing an application with ECO, most of the low-level work in application development is minimized, resulting in increased productivity during development. Because development is based on design models, the resulting application more likely will adhere to the requirements.

The greatest benefit of using ECO becomes apparent when an application must be changed. The model information is used to automatically transform the database and necessary source code, resulting in a predictable maintenance process.

The less code, the more automatic the process and the higher the quality of software—in terms of robustness and in meeting requirements. The outcome for the developer is increased productivity, predictability, adaptability, and quality.

Can I use my existing database with ECO II?

ECO II supports the mapping of object models to existing enterprise class databases. The mapping tools can automatically* reverse a database schema, generating both the mapping schema and the UML class diagram based on the database structure. Mapping to existing databases also can be done by generating the mapping schemas from a UML model as a foundation for manually configuring the object relational mapping.

This enables you to spend your application development time focusing on providing additional benefit and business impact and not on underlying infrastructure and plumbing.

** Currently supporting Microsoft SQL Server, InterBase, Oracle, and Microsoft® Access*

Does Delphi 2005 support ADO.NET?

Yes. Delphi 2005 fully supports ADO.NET and includes the Borland® Data Provider (BDP) for ADO.NET for high-performance, high-productivity, heterogeneous support for both desktop and enterprise database servers. Delphi 2005 now also provides Borland® dbGo™ for ADO.NET. This .NET version of dbGo for ADO enables even greater choice and flexibility for Delphi developers on both .NET and Win32.

Does Delphi 2005 support ASP.NET and Web Forms?

Yes. Delphi 2005 fully supports ASP.NET, SOAP/XML Web Services, and the RAD visual creation of ASP.NET Web Forms applications. In addition, Delphi 2005 also includes Atozed IntraWeb v7.2 RAD Web application development for .NET and Win32.

How does Delphi 2005 support Application Lifecycle Management?

Delphi 2005 is fully integrated with the other phases of the application lifecycle:

- **Design:** ECO II in Delphi 2005 Architect provides a UML design surface and a model-aware framework, allowing you to fully leverage the benefits of UML at design-time and runtime, which translates into greatly increased productivity and quality.
- **Test:** Delphi 2005 serves the testing phase of the ALM in several ways. First, the integrated unit testing support in Delphi 2005 gives you a consistent unit testing environment across both .NET and Win32 applications. In addition, Delphi 2005 Architect includes Borland® Optimizeit™ Profiler for the Microsoft® .NET Framework, which allows you to rapidly find and resolve memory and performance issues in your .NET applications.
- **Deploy:** The new Deployment Wizard simplifies the deployment and maintenance of Web applications.
- **Manage:** Delphi 2005 integrates with most leading software configuration management (SCM) tools. However, it also includes a complete Borland® StarTeam® features integrated deeply into the IDE. This, combined with the full StarTeam Standard license provided in Delphi 2005 Enterprise and Architect, provides change management, configuration management, and team collaboration capabilities without your ever needing to leave the IDE.

Is the StarTeam Standard license provided with Delphi 2005 Enterprise and Architect editions a full license?

Yes. The Enterprise and Architect editions of Delphi 2005 provide a full license for StarTeam Standard. In addition, it is a "stackable" license for StarTeam, meaning that if you have multiple copies of Delphi 2005 Enterprise or Architect in your team, your team members can work together on the same StarTeam Server.

What reporting solution is included with Delphi 2005?

Delphi 2005 comes with both Rave Reports® for Win32 and .NET, and Crystal Reports® for .NET.

What third-party solutions are included in Delphi 2005?

Delphi 2005 includes a powerhouse of fully integrated third-party development solutions for .NET. Extend your WinForms and ASP.NET WebForms functionality with the integrated ComponentOne Studio Enterprise® for Borland® Delphi 2005,™ including 17 Windows® Forms and Web forms components including grid, reporting, charting, date, user-interface, and e-commerce for .NET and ASP.NET.

Deliver professional-looking reporting solutions with your choice between fully integrated reporting tools—Crystal Reports or Rave Reports. The built-in Wise Owl Demeanor Obfuscator, Borland Edition, protects your C# .NET application from unauthorized users. And InstallShield,® Borland Edition allows you to quickly and easily build MSI installations for your Delphi 2005 applications.

Does Delphi 2005 support CORBA development?

Yes. Borland® Janeva™ is fully integrated into Delphi 2005 and includes a single Janeva Developer license, allowing your .NET applications to act as clients to existing CORBA and Java™ 2 Platform, Enterprise Edition (J2EE™) servers. Contact your Borland sales representative for deployment licensing information.

How does Delphi 2005 support Web Services?

Delphi 2005 supports client- and server-side development of Web Services on both the Win32 and the .NET platforms. Regardless of the platform or language you choose for your application, you have access to Web Services using the SOAP, WSDL, and UDDI standards.

Can I create new Win32 applications in Delphi 2005?

Absolutely. Only Delphi 2005 allows you complete freedom of choice for your Windows development. Continue developing new and existing Delphi Win32 applications using the VCL framework. However, you can also create new applications using Delphi or C# for the Microsoft .NET Framework. Last, if you so desire, Delphi 2005 can assist in migrating your Delphi Win32 applications to the .NET Framework using VCL for .NET. The choice is yours.

Which databases are supported in Delphi 2005?

Architect and Enterprise

.NET Windows Forms and ASP.NET

- Borland Data Provider for ADO.NET (BDP) offers enterprise driver support for Oracle 10g, IBM® DB2® 8.x, Microsoft® SQL Server™ 2000 and SQL Server,™ Borland® InterBase® 7.5, and Sybase 12.5. The BDP also offers local driver support for Borland InterBase 7.5,® MSDE® 2000, and Microsoft Access.®

VCL for Win32 and VCL for .NET

- dbGO for ADO (MDAC 2.8)
- dbExpress for Microsoft SQL Server 2000, InterBase 7.5, Informix® 9.x, IBM DB2 8.x, Oracle 10g, MySQL 4.0.18, Sybase 12.5 and SQL Anywhere 9
- BDE for Borland® dBase® and Borland® Paradox®

Professional

.NET Windows Forms and ASP.NET

- Borland Data Provider for ADO.NET offers local driver support for Borland InterBase 7.5, MSDE® 2000, and Microsoft Access.

VCL for Win32 and VCL for .NET:

- dbGO for ADO (MDAC 2.8)
- dbExpress for InterBase
- BDE for dBase and Paradox

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