Delphi 2007 for Win32

FEATURE MATRIX

INTEGRATED COMPILERS

	Ent	Pro
ENHANCED! High-performance 32-bit optimizing Delphi® native code compiler	✓	✓
32-bit inline assembler with support for the full Intel® x86 instruction set (including Intel Pentium® Pro, Pentium III, Pentium 4, Intel MMX,™ SIMD, Streaming SIMD Extensions, SSE, SSE2, and SSE3, and AMD® 3DNow! ®	✓	✓
USE YOUR BDS2006 COMPONENTS! Compiler is compatible with binaries created with Borland Developer Studio 2006	✓	✓

FRAMEWORKS, DESIGNERS, SDKS AND INSTALLERS

	Ent	Pro
VCL for rapidly building applications for Microsoft Win32® -- with full RAD Visual design	✓	✓
UPDATED! Microsoft Win32 SDK with support for Windows Vista	✓	✓
NEW! VCL for the Web - complete WYSIWYG RAD Web application development with AJAX using standalone executables, ISAPI for IIS, or DSO for Apache, including SSL support	✓	
NEW! VCL for the Web – application mode for standalone servers with maximum of five connections		✓
ENHANCED! VCL forms designer	✓	✓
Together® powered Unified Modeling Language™ (UML®) designer	✓	✓
NEW! InstallAware installer technology allows for on the fly updating. IDE can automatically check for updates	✓	✓

LANGUAGE AND RUNTIME LIBRARY FEATURES

	Ent	Pro
"for in" loop iteration, Function in-lining for increased application performance, Delphi multi-unit namespaces, Operator overloading, Class variables/class static data, Nested types, Records with methods (value types)	✓	✓
Expression evaluation in compiler directives	✓	✓
Create reusable native 32-bit dynamically linked libraries (.DLL), COM controls (.OCX), and standalone executables	✓	✓
ENHANCED! New versions of RTL functions from FastCode: LowerCase, , UpperCase, _LStrComp, CompareStr, and StrLen	✓	✓

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	Ent	Pro
Custom variants with support of your own data types, complex numbers, safe arrays, and passing variants through data sets	✓	✓
Expanded variant support for Int64 and the unsigned types	✓	✓

PROJECT SUPPORT

	Ent	Pro
NEW! Flexible build system using MSBuild	✓	✓
NEW! Identical build process from the IDE or command line using MSBuild	✓	✓
NEW! Build Events for pre-build, post-build on project and file levels	✓	✓
NEW! Build Configurations provide flexibility to organize multiple build settings for all compiler and linker options	✓	✓
NEW! Multi-select files in the Project Manager	✓	✓
NEW! Invoke the new File Browser to view files on disk and interact with the Windows shell right in the IDE	✓	✓
IDE Personality indicator.	✓	✓
Project level build ordering	✓	✓
Compile or build current project and all later projects	✓	✓
Project dependency checking	✓	✓
Delphi 1 through 2006 project import	✓	✓

DOCUMENTATION

UPDATED AND ENHANCED! Completely revamped help system with class structure diagrams and thorough cross-linking	✓	✓

DATABASE DEVELOPMENT AND CONNECTIVITY: VCL

	Ent	Pro
NEW! DBX4 Database connectivity framework with connection pooling, tracing, and delegate drivers	✓	✓
NEW! Build delegate drivers to place your code between the application and the actual driver. Provide pre- and post-processing of all public methods and properties of the dbExpress 4 framework. Sample delegate drivers included	✓	✓
ROYALTY FREE! MIDAS/DataSnap™ multi-tier deployment license	✓	

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Now Unicode Enabled! dbExpress™ server connectivity to CodeGear InterBase® 2007	✓	✓
Now Unicode Enabled! dbExpress™ server connectivity to Oracle® 10g	✓	
Now Unicode Enabled! dbExpress™ server connectivity to Microsoft SQL Server™ 2000 and 2005	✓	
ENHANCED! dbExpress™ server connectivity to Informix® 9x	✓	
ENHANCED! dbExpress™ server connectivity to IBM DB2® 8.x	✓	
ENHANCED! dbExpress™ server connectivity to SQL Anywhere® 9	✓	
ENHANCED! dbExpress™ server connectivity to Sybase® 12.5	✓	
ENHANCED! dbExpress™ server connectivity to mySQL 4.1 and 5.0 (5.0 Driver is Unicode enabled)	✓	✓
TClientDataset for managing and manipluating datasets in-memory	✓	✓
TSQLQuery supporting OUT and INOUT parameters	✓	✓
ConnectingString property for passing connection parameters	✓	
dbExpress MSSQL driver updated to provide return values from stored procedures	✓	
dbGO™ for ADO connectivity for Win32 (MDAC 2.8)	✓	✓
BDE support for dBASE® and Paradox® on VCL	✓	✓
Oracle decimal separator	✓	
UPDATED! InterBase Express components for VCL	✓	✓

VISUAL COMPONENT LIBRARY FOR WIN32	Ent	Pro
NEW VISTA SUPPORT! Support for Windows Aero (glassing effects) in TForm with added GlassFrame property	✓	✓
NEW VISTA SUPPORT! New Vista Dialog components – TTaskDialog, TFileOpenDialog, TFileSaveDialog	✓	✓

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NEW! Support for GIF images within TImage via TGIFImage library class	✓	✓
Live Designer Guidelines with "smart" drag and snap-to lines	✓	✓
Margin and Padding properties for all VCL controls	✓	✓
Text baseline alignment	✓	✓
Extensible user registerable guidelines	✓	✓
VCL Flow Panel – HTML style form layouts with Autopositioning	✓	✓
VCL Grid Panel – table style form layouts with Autopositioning and Autosizing	✓	✓
VCL System Tray Component – easily create Windows Tray applications	✓	✓
IntelliMouse® "pan and scroll" support for VCL controls	✓	✓
TToolbar and TControlbar– updated look and feel	✓	✓
Embedded Type Library Editor with message view error reporting	✓	✓
VCL Applications are themed by default	✓	✓
Windows theme support for Action Manager	✓	✓
TDockTabSet tabbed docking component with autohide	✓	✓
TCategoryButtons — collapsible button categories just like those in the new Tool palette	✓	✓
TButtonGroup for combining buttons into a group	✓	✓
TPopUpActionBar — pop-up version of TActionMainMenuBar	✓	✓
TOpenTextFileDialog and TSaveTextFileDialog with user-selectable text encoding method	✓	✓
Standard, Data Controls, Dialogs, Internet Direct (Indy), Additional, Win32, System, Win 3.1, Data Access, and BDE component categories	✓	✓
Visual Form Inheritance and Form linking to reduce coding and simplify maintenance	✓	✓

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Object-oriented, fully extensible and reusable component and application architecture	✓	✓
Object Repository for storing and reusing forms, Data Modules, and experts	✓	✓
Structure pane for updated class reference for your application's unit files	✓	✓
TDateTime extensions accelerate your date and time calculations	✓	✓
SubComponent classes combine commonly mixed components for greater utility and speed the creation of user interfaces	✓	✓
Conversion Unit simplifies measurement conversion	✓	✓
Modern UI features: Docking, IntelliMouse support, minimum and maximum component sizing constraints, and border anchors in visual components	✓	✓
Action List for managing and directing commonly used code in an application	✓	✓
Windows Server 2003, Windows XP, and Windows 2000 support for Multi-Monitor, MonthCalendar, PageScroller, and Flat Scrollbars	✓	✓
Support for Advanced Custom Draw functions for increased control over the Windows API	✓	✓
Action MainMenu and Action ToolBar components for sophisticated and centrally controlled user interface design with dynamic Action Manager-driven UI surfaces	✓	✓
Action Manager provides central management of your actions and self-configuring dynamic user interfaces, taking the tedium out of UI design	✓	✓
ActionBands™ Customization Manager gives end users total control over ActionBands UI configurations at runtime	✓	✓
ControlBar for creating floating toolbars in GUI applications	✓	✓
Frames for building and reusing compound components	✓	✓

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PERSONAL DEVELOPER PRODUCTIVITY

	Ent	Pro
ENHANCED! Error Insight reports syntax errors in code	✓	✓
Live Templates System – tab through fields and insert points of any template	✓	✓
Surround Templates – wrap "surroundable" templates around selected code or text	✓	✓
Code Templates available in code completion	✓	✓
Customize the behavior, code generation, and user experience of your templates	✓	✓
"Smart" Block completion – anticipates and gracefully adds block closures as you type	✓	✓
Code navigation – quickly "hop" from method to method within your code	✓	✓
Editor "Change Bar" indicates modified lines and saved session modified lines	✓	✓
Virtual form positioner for VCL designers in "docked" mode	✓	✓
Hot-key Searchable Tool Palette — find any component quickly	✓	✓
Gallery Palette — Gallery Wizards in the tool palette when you need them	✓	✓
SyncEdit — block-edit multiple instances of a symbol simultaneously	✓	✓
Automatic multi-level local file backups	✓	✓
History Manager with file differencing and restore	✓	✓
UPDATED and ENHANCED! IDE Welcome Page — with fast access to recent projects, favorite products and CodeGear Developer Network RSS news feeds, documentation, demos, examples, helpful links, updates, Weblogs, and more	✓	✓
Integrated QualityCentral — submit bug reports and feature requests to Codegear	✓	✓
Class navigation shortcuts	✓	✓
Structure Pane for source code	✓	✓
Syntax Highlighting Open Tools API extension with built in support for JavaScript, PHP, and INI files	✓	✓
Ability to individually customize editor options for particular file types	✓	✓
Open Tools API for code completion and symbol table queries	✓	✓
Symbol Insight — click to navigate to declarations and implementations	✓	✓

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	Ent	Pro
ENHANCED! Code Insight—Faster performance and improved code and parameter completion provide on-the-fly member lists and parameter hints as you type	✓	✓
Code Insight – Code completion for DTD described markup language including HTML, WML, XHTML, and XSL	✓	✓
Editor Gutter – easier to read with less clutter	✓	✓
Code Completion for Delphi, HTML, WML, XHTML, XSL, and CSS	✓	✓
VCL Object Treeview for quick navigation and manipulation of object in the VCL designers	✓	✓
Class completion	✓	✓
Custom IDE desktop layout profiles with enhanced support for docked windows	✓	✓
Import Type Library	✓	✓
New Component wizard	✓	✓
To-do lists keep your development on track	✓	✓
Help Insight — convenient tooltips provide help snippets as you develop	✓	✓

REFACTORINGS

	Ent	Pro
Introduce Variable refactoring	✓	✓
Introduce Field refactoring	✓	✓
Inline Variable refactoring	✓	✓
UPDATED!Change Parameters refactoring	✓	✓
Safe Delete refactoring	✓	✓
Push Members Up / Down refactoring	✓	✓
Pull Members Up refactoring	✓	✓
Extract Superclass refactoring	✓	✓
Extract Interface refactoring	✓	✓
Move Members refactoring	✓	✓
UPDATED! Rename refactoring	✓	✓
Declare variable refactoring	✓	✓

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	Ent	Pro
Declare field refactoring	✓	✓
UPDATED! Extract method refactoring	✓	✓
Find unit/import namespace refactoring	✓	✓
Refactor driven "Find in Files"	✓	✓
Extract to resource string refactoring	✓	✓

TOGETHER® MODELING	Ent	Pro
Sequence diagrams, Collaboration diagrams, State Charts, Deployment diagrams, Use Case diagrams, Activity diagrams, Component diagrams, Design Patterns support	✓	
XMI 1.1 Import/Export	✓	
Documentation generation	✓	
Audits and metrics.	✓	
Full two-way LiveSource™ class diagrams	✓	✓
OCL 2.0 support	✓	✓
"UML in Color" profile	✓	✓
Diagram hyperlinking and annotations	✓	✓
Diagram printing	✓	✓

DEBUGGING	Ent	Pro
Full-featured Win32 debugger with color syntax highlighting	✓	✓
NEW! Disassembly pane has "Show Opcodes" and "Show Addresses" local menu items	✓	✓
NEW! New Debugger Options: "Scroll new events into view" and "Ignore non-user breakpoints"	✓	✓
NEW! Call Stack View shows a glyph indicating if the frame has debug info	✓	✓
NEW! CPU view panes can be opened individually outside of an editor tab	✓	✓
NEW! Call Stack view now automatically syncs the Locals view when you double click an item	✓	✓
NEW! Evaluator tooltip hints go transparent when the CTRL key is pressed, allowing you to see through them to the editor	✓	✓

Feature		
Expandable tooltip expression evaluation	✓	✓
Expandable watches	✓	✓
Expandable local variables view	✓	✓
Selective symbol table loading	✓	✓
Close implicitly opened files after debugging	✓	✓
Multi-select and copy to clipboard support in CPU view	✓	✓
Ctrl-Click in editor gutter to enable/disable breakpoints	✓	✓
Sort by load order in Modules view	✓	✓
App Domain load/unload events shown in event log	✓	✓
Set Next Statement local menu item in editor	✓	✓
Exception notification dialog: Break/Continue buttons, "Ignore exception type" checkbox	✓	✓
Modules View sorting	✓	✓
FPU view with support for MMX and SSE, SSE2, and SSE3 support	✓	✓
Remote debugging	✓	✓
Thread view displays status on all processes and threads under debugger control	✓	✓
CPU view for low-level debugging	✓	✓
Evaluator	✓	✓
Watch view supporting in place editing, checkbox enable/disabling, and the watch names separated from the values with columns	✓	✓
Multi-tab watch view for logically grouping variables	✓	✓
Breakpoint view with toolbar, in-place editing, and enable/disable checkbox	✓	✓
Multi-process debugging for easy tracing through complex applications	✓	✓
Attach to and debug any process	✓	✓
Detach from any process	✓	✓
Run until return	✓	✓
Advanced breakpoints with Tooltips, actions, and groups for complete debugging control	✓	✓
Breakpoint Data Aware Triggers	✓	✓
Debug spawned processes	✓	✓

	Ent	Pro
Debug Inspector for easily monitoring properties while debugging	✓	✓
Event log view	✓	✓

INTEGRATED UNIT TESTING

	Ent	Pro
Integrated unit testing with the DUnit testing framework	✓	✓
Unit test wizards for quick and easy unit test and unit test project creation	✓	✓
Unit test code generation with full code to invoke each method	✓	✓
Update existing unit test cases with new test methods	✓	✓
Execute unit tests from project manager	✓	✓

DATABASE EXPLORER

	Ent	Pro
ENHANCED! dbExpress support	✓	✓
Drag and Drop from the dbExpress node into VCL Forms	✓	✓
Multiple SQL windows	✓	✓

INCLUDED DATABASES

	Ent	Pro
UPDATED! InterBase 2007 Developer Edition—up to 20 users and 80 logical local connections	✓	✓
Multiple Instance support allows multiple versions of InterBase to run on the same machine simultaneously	✓	✓
ENHANCED! Unicode 4.1 support with UTF-8 and UCS2 character sets in InterBase	✓	✓
NEW! InterBase Disaster Recovery via log-based journaling, faster Online/Incremental backups	✓	✓
ENHANCED! InterBase Blob modifications via SQL. Batch SQL Updates to reduce network latency	✓	✓
InterBase Global Temporary Tables transparently manage all namespaces, making development more easily managed once the temporary table is declared to the database schema	✓	✓
InterBase embedded database user authentication for unique user account management for multiple embedded InterBase applications	✓	✓
InterBase SMP scalability using advanced technologies such as spinlocks and thread-private latch caches for optimized processor utilization and increased throughput	✓	✓

	Ent	Pro
InterBase IBConsole™ with new streamlined GUI, performance, and stored procedure monitoring and trigger cache management	✓	✓
Borland Database Engine for dBASE and Paradox	✓	✓

REPORTING SOLUTIONS

	Ent	Pro
UPDATED! Nevrona Rave Reports® CodeGear Edition for Win32 VCL	✓	✓

ADDITIONAL COMPONENTS AND TOOLS

	Ent	Pro
glyFX Icon Library – CodeGear Edition	✓	✓
NEW! InstallAware Express CodeGear Edition	✓	✓
UPDATED! TeeChart 7.0	✓	✓

XML/SOAP WEB SERVICES DEVELOPMENT

	Ent	Pro
ENHANCED! Easily access SOAP web services by importing WSDL to create Delphi classes that talk directly to web services	✓	✓
BizSnap™ XML Transformation Tools and Components to easily build data exchanges between different XML formats and between XML and datasets	✓	
BizSnap Native Delphi XML Bindings to simplify XML programming — access XML documents as Delphi objects	✓	
Easily create Win32 XML/SOAP Web Services	✓	✓
UDDI Web Services import to add SOAP/XML into your applications	✓	✓

BIZSNAP™ (DEPRECATED)

	Ent	Pro
UDDI browser	✓	✓
Automatic UDDI client failover	✓	✓

WEBSNAP™ (DEPRECATED)

	Ent	Pro
Server-side scriptable Web page components to easily interface WebSnap™ objects with Web site developer teams and scripters	✓	
Server-side scripting in WebSnap with JavaScript™ and VBScript	✓	

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REMOTING AND APPLICATION CONNECTIVITY

	Ent	Pro
Import .NET assemblies as COM objects in Win32 VCL applications	✓	✓
SOAP Web Services development for Win32	✓	✓
DCOM support	✓	✓
DataSnap/MIDAS multi-tier database application framework	✓	✓
COM+ Object Wizard to easily create COM+ objects and servers	✓	✓
COM+ Object Subscription Wizard to easily consume COM+ events	✓	✓
Advanced Type Library Editor	✓	✓
Support for Automation Object event handling	✓	✓
COM Object Wizard	✓	✓
Microsoft ActiveX® Control Data binding	✓	✓
Support for sparse vtables to support VB servers	✓	✓
Import COM servers as components to develop visually	✓	✓

WEB/INTERNET DEVELOPMENT: VCL

	Ent	Pro
NEW! VCL for the Web - complete WYSIWYG RAD Web application development with AJAX using ISAPI for IIS and DSO for Apache, including SSL	✓	
NEW! VCL for the Web – application mode for standalone servers with maximum of five connections		✓
Delphi WebBroker™ Microsoft Internet Information Server (IIS) CGI and ISAPI Web application framework, wizards, components, and classes	✓	✓
Indy v10 components with more than 120 Internet protocols and Internet standards including TCP, UDP, ICMP, SMTP, POP3, IMAP4, HTTP, NNTP, FTP, IPv6, and much more	✓	✓

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