Delphi® XE5

Easy-to-learn app development for Android and iOS

embarcadero®

Feature Matrix

Feature	Architect	Ultimate	Enterprise	Professional	Starter
INTEGRATED COMPILERS AND TOOLCHAINS					
High-performance 32-bit optimizing Delphi® native code compiler (dcc32), including High performance x86 Assembler – 32-bit inline assembler supporting the Intel® x86 instruction set (including Intel Pentium® Pro, Pentium III, Pentium 4, Intel MMX™, SIMD, Streaming SIMD Extensions, SSE, SSE2, SSE3, SSE 4.1, SSE 4.2, AMD SSE4A and AMD® 3DNow!®	X	X	X	X	X
Delphi 64-bit compiler	X	X	X	X	
Enhanced in XE3! Delphi OS X compiler	X	X	X	X	
Delphi command line toolchains for Windows (dcc32, dcc64)	X	X	X	X	
Introduced in XE4! Delphi command line toolchains for iOS (dccios32, dcciosarm)	X	X	X	Optional[1]	
Introduced in XE4! Delphi iOS ARM Compiler and Delphi iOS Compiler for iOS Simulator	X	X	X	Optional[1]	
New in XE5! Delphi Android ARM compiler for Device and Emulator (dccaarm)	X	X	X	Optional[1]	
Enhanced in XE3! Delphi command line toolchains for Mac OS X (dccosx)	X	X	X	X	
Create 32-bit optimized native executables that can run on both 32 and 64-bit Windows operating systems	X	X	X	X	
APPLICATION PLATFORMS, INTEGRATED FRAMEWORKS, DESIGNERS AND SDKS					
Enhanced in XE3! FM Application Platform for creating 32-bit Windows applications for Windows 8, Windows 7, Windows Vista and XP; Server 2008 and 2012.	X	X	X	X	X
Enhanced in XE3! FM Application Platform for creating 64-bit Windows applications for Windows 8, Windows 7, Windows Vista and XP; Server 2008 and 2012.	X	X	X	X	
Enhanced in XE5! FM Application Platform for creating OS X 10.7 and 10.8 applications	X	X	X	X	
Enhanced in XE5! FM Application Platform for creating native iOS applications for iOS 6.x	X	X	X	Optional[1]	
New in XE5! FM Application Platform for creating native Android ARMv7 applications for Gingerbread (2.3.3 – 2.3.7), Ice Cream Sandwich (4.0.3, 4.0.4) and Jelly Bean (4.1.x, 4.2.x, 4.3.x)	X	X	X	Optional[1]	
Enhanced in XE3! VCL (Visual Component Library) for rapidly building 64-bit applications for Windows 8, Windows 7, Windows Vista and XP; Windows Server 2008 and 2012.	X	X	X	X	
Enhanced in XE3! VCL (Visual Component Library) for rapidly building 32-bit applications for Windows 8, Windows 7, Windows Vista and XP; Windows Server 2008 and 2012.	X	X	X	X	X
Microsoft Windows SDK support for Windows Vista APIs and Windows 7	X	X	X	X	X
Support for Windows 7 Direct2D API	X	X	X	X	X
Introduced in XE3! FM Application Platform support for DirectX 10	X	X	X	X	X
VCL forms designer with live Snap-to hints and layout guidelines	X	X	X	X	X
Unified Modeling Language® (UML®) designer	X	X	X	X	
Introduced in XE3! VCL Metropolis project templates (blank, grid, split layout)	X	X	X	X	X
FM APPLICATION PLATFORM (FIREMONKEY)					
Enhanced in XE5! Native message alerts for iOS and Android	X	X	X	Optional[1]	
Enhanced in XE5! Custom Pickers for iOS and Android	X	X	X	Optional[1]	

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Enhanced in XE5! Date Picker for iOS and Android	X	X	X	Optional[1]	
New in XE5! Time Picker for iOS and Android	X	X	X	Optional[1]	
New in XE5! Time Picker for Windows	X	X	X	X	X
New in XE5! Time Picker for OS X	X	X	X	X	
Enhanced in XE5! Phone Dialer Support for iOS and Android	X	X	X	Optional[1]	
New in XE5! Built-in text editing mode for TEdit and TMemo controls on Android, including Cut/Copy/Paste/Zoom	X	X	X	Optional[1]	
New in XE5! Built-in Spell Check Support for text input controls on iOS and Android	X	X	X	Optional[1]	
Introduced in XE4! Built-in text editing mode for TEdit and TMemo controls on iOS, including Cut/Copy/Paste/Zoom	X	X	X	Optional[1]	
Enhanced in XE5! Notification Center Component for using notifications in your iOS and Android applications	X	X	X	Optional[1]	
Enhanced in XE5! Gesture support for iOS and Android including swipe (pan), tap, tap and hold, double tap and pinch & zoom	X	X	X	Optional[1]	
Introduced in XE4! Native iOS application styling for iPhone and iPad (Retina and non-Retina) on iOS 5.1 and 6.x	X	X	X	Optional[1]	
Enhanced in XE5! FireMonkey Mobile Application Wizard with header/footer, tabbed, and master detail templates	X	X	X	Optional[1]	
Introduced in XE4! Full set of native iOS styling options for buttons, toolbars, listboxes, sliders, switch controls	X	X	X	Optional[1]	
New in XE5! Full set of native Android styling options for buttons, toolbars, listboxes, sliders, switch controls	X	X	X	Optional[1]	
New in XE5! Swipe-to-Delete on iOS with the TListView component	X	X	X	Optional[1]	
New in XE5! Swipe-to-Delete on Android with the TListView component	X	X	X	Optional[1]	
New in XE5! Built-in search filtering for TListView on iOS and Android	X	X	X	Optional[1]	
New in XE5! Built-in search filtering for TListView on Windows	X	X	X	X	
New in XE5! Built-in search filtering for TListView on OS X	X	X	X	X	
Introduced in XE4! Mobile Form Layout Tools: design for landscape/portrait/upside down landscape and upside down portrait layouts	X	X	X	Optional[1]	
Enhanced in XE5! Support for multiple form factors: choose from iPhone, iPhone 5, iPad, Nexus 4/7/10, Samsung S2/S4, generic Android devices, or add a custom device	X	X	X	Optional[1]	
Enhanced in XE5! Mobile Status Bar: toggle form property to show/hide status bar	X	X	X	Optional[1]	
Enhanced in XE5! Web Browser for loading and displaying web content in your iOS and Android applications	X	X	X	Optional[1]	
Enhanced in XE5! Extended ListBox capabilities for iOS and Android, including header/footer/grouped styling, embedded search and expanded LiveBindings support	X	X	X	Optional[1]	
Enhanced in XE5! Support for various keyboard types on iOS and Android	X	X	X	Optional[1]	
Enhanced in XE5! TMagnifier component for easily zooming in on images and text	X	X	X	X	X
Enhanced in XE5! TCamera component for accessing the front and back camera, flash etc.	X	X	X	X	X
Enhanced in XE5! TabControl with new settings for using tabs as views	X	X	X	X	X
Introduced in XE4! FireMonkey Frames	X	X	X	X	X
Enhanced in XE5! Toggle Device Skin to show/hide mobile device background	X	X	X	Optional[1]	
Enhanced in XE5! iOS and Android Sample Applications for using the new sensors and services	X	X	X	Optional[1]	
Introduced in XE4! Mac OS X Full screen Mode	X	X	X	X	
Introduced in XE3! Actions and ActionLists	X	X	X	X	X
Introduced in XE5! Action for accessing the camera application on iOS and Android	X	X	X	Optional[1]	

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Introduced in XE5! Action for accessing images from the camera roll on iOS and Android	X	X	X	Optional[1]	
Introduced in XE5! Share Sheet support on iOS 6 and Android for sharing content via Messaging, Mail, Facebook, Twitter etc.	X	X	X	Optional[1]	
Introduced in XE4! Slide transition action for TTabControl	X	X	X	X	X
Introduced in XE3! Anchors	X	X	X	X	X
Introduced in XE3! Layout Managers (Flow Layout, Grid Layout)	X	X	X	X	X
Introduced in XE3! Multimedia support for playing popular video formats	X	X	X	X	X
Introduced in XE3! Multimedia support for playing popular audio formats	X	X	X	X	X
Enhanced in XE5! Location Services component for GPS or triangulation	X	X	X	X	X
Enhanced in XE5! Orientation sensor (gyroscope/compass) on iOS and Android	X	X	X	Optional[1]	
Introduced in XE4! Orientation sensor (gyroscope/compass) on Windows	X	X	X	X	X
Enhanced in XE5! Motion Sensor component for accelerometer access on iOS and Android	X	X	X	Optional[1]	
Enhanced in XE4! Motion Sensor component for accelerometer access on Windows	X	X	X	X	X
Introduced in XE3! Camera Sensor support	X	X	X	X	X
Enhanced in XE3! 3D File Import Support	X	X	X	X	X
Introduced in XE3! Metropolis UI Style for XP, Vista, Windows 7, Windows 8	X	X	X	X	X
Introduced in XE3! Mac OS X 10.8 native style	X	X	X	X	
Introduced in XE3! Mac OS X 10.8 high resolution native Retina Style	X	X	X	X	
Introduced in XE3! Non-Client Area Application Styling for Windows and Mac (Windows-only in Starter)	X	X	X	X	X
Introduced in XE3! Metropolis UI grid page side scrolling	X	X	X	X	X
Introduced in XE3! Edit control with stylable glyph with built-in style support for search bar, password control and more	X	X	X	X	X
Enhanced in XE5! FM Application Platform performance optimizations	X	X	X	X	X
Introduced in XE3! Animated progress glyphs including Windows 8 ring	X	X	X	X	X
Enhanced in XE3! StyleLookUp support with preview of available designs for the selected component	X	X	X	X	X
Introduced in XE3! Live Tile support for Enterprise deployment - interaction with desktop application launching and dynamic content management on Windows 8	X	X	X	X	X
Introduced in XE3! FireMonkey project templates for Metropolis UI (blank, grid and split layout);	X	X	X	X	X
Enhanced in XE3! Definable touch target support for each control	X	X	X	X	X
Introduced in XE3! Metropolis UI samples illustrating Microsoft® style guide	X	X	X	X	X
Introduced in XE3! Easy one-click Metropolis UI form converter for existing forms	X	X	X	X	X
Introduced in XE3! 4 new Metropolis UI styles	X	X	X	X	X
Introduced in XE3! Support for Windows 8 gestures	X	X	X	X	X
Introduced in XE3! Multiple button/control states	X	X	X	X	X
Introduced in XE3! Application toolbar for Metropolis UI	X	X	X	X	X
Introduced in XE3! Shared external redistributable bitmap style designer for VCL and FM Application Platform	X	X	X	X	X
Introduced in XE3! FireMonkey bitmap based styles	X	X	X	X	X
Enhanced in XE3! Native UI control styles	X	X	X	X	X
Enhanced in XE3! Additional native and custom UI styles	X	X	X	X	X
Enhanced in XE3! Text and Memo control performance	X	X	X	X	X

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FireMonkey Form Inheritance	X	X	X	X	X
Introduced in XE3! Use one shader language for all rendering libraries (OpenGL or Direct3D)	X	X	X	X	X
Introduced in XE3! On-screen keyboard support for Windows touch devices	X	X	X	X	X
Introduced in XE3! MetropolisUIListBox support for easily creating listboxes and custom grid layouts	X	X	X	X	X
Introduced in XE3! Mac OS X App Store Ready	X	X	X	X	
VISUAL LIVEBINDINGS					
Introduced in XE3! Visually connect component properties and data	X	X	X	X	
Introduced in XE3! Easily replace prototype data with real ClientDataSet data with one click	X	X	X	X	
Enhanced in XE5! Context sensitive LiveBindings Wizard supporting both dbExpress and FireDAC	X	X	X	X	
Introduced in XE3! Support for QuickBinding components	X	X	X	X	
Introduced in XE3! Ability to visually add and bind to additional component properties	X	X	X	X	
Introduced in XE3! Color coded component properties easily identify bindable members	X	X	X	X	
Introduced in XE3! Zoom control for Visual LiveBindings Designer	X	X	X	X	
Introduced in XE3! Ability to save image of current LiveBindings Designer layout	X	X	X	X	
Introduced in XE3! Hide visual elements on right-click	X	X	X	X	
Introduced in XE3! Integrated Layers Management system for LiveBindings Designer with Photoshop® like layers, allowing you to visually organize and hide set of elements in the LiveBindings Designer	X	X	X	X	
Introduced in XE3! Easily launch the LiveBindings Designer with the right-click 'Bind Visually' command on the form designer	X	X	X	X	
Introduced in XE3! Tools Options support for LiveBindings Designer to show/hide certain components from the visual LiveBindings Designer view and enable/disable Wizard option in right-click menu	X	X	X	X	
INTEGRATED BUILD TOOLS AND PROJECT SUPPORT					
IDE support for building and managing projects for 32-bit Windows	X	X	X	X	X
IDE support for building and managing projects for 64-bit Windows	X	X	X	X	
Enhanced in XE3! IDE support for building and managing projects for OS X	X	X	X	X	
Introduced in XE3! IDE support for targeting OS X builds for Mac OS X App Store	X	X	X	X	
Enhanced in XE5! FireMonkey application wizards	X	X	X	X	X
Introduced in XE4! Deploy apps to the iOS Simulator (iPhone/iPhone 5/iPad)	X	X	X	Optional[1]	
New in XE5! Deploy apps to the Android Emulator for Ice Cream Sandwich and Jelly Bean	X	X	X	Optional[1]	
New in XE5! Define Android application settings, including supported orientations	X	X	X	Optional[1]	
Introduced in XE4! Define info.plist application settings including supported orientations in the IDE	X	X	X	Optional[1]	
Introduced in XE4! Deploy apps to the iOS Device (Debug/Ad Hoc/App Store)	X	X	X	Optional[1]	
Enhanced in XE5! Define application splash screens and app icons in the IDE	X	X	X	Optional[1]	
New in XE5! Deploy apps to Android devices (Debug/App Store)	X	X	X	Optional[1]	
Enhanced in XE4! Platform Assistant for deploying and debugging across platforms	X	X	X	X	
Project Manager view menu for directory (nested), directory (flat) and list view of files in a project and with an enhanced status bar for more file information.	X	X	X	X	X
File manipulation and creation through the Project Manager facilities	X	X	X	X	X

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Compiler option to treat warnings as errors	X	X	X	X	X
Flexible build system leveraging MSBuild with identical build process from the IDE or command line	X	X	X	X	X
Enhanced in XE5! Delphi 1 through XE5 project import	X	X	X	X	X
Build Configurations provide flexibility to organize multiple build settings for all compiler, linker options, and platform support	X	X	X	X	X
Named option sets to save and apply build configurations to any project	X	X	X	X	X
Share option-sets between build configurations and between projects	X	X	X	X	X
Multi-select files in the Project Manager	X	X	X	X	X
File Browser – Windows shell integrated into the IDE	X	X	X	X	X
Build Events for pre-build and post-build on project and file levels	X	X	X	X	X
Project dependency checking	X	X	X	X	X
IDE Studio personality indicator – shows which is active when multiple languages are available	X	X	X	X	X
Project level build ordering	X	X	X	X	X
Build/Make from here – Make or build current project and all later projects	X	X	X	X	X
Additional command line tools include Microsoft Resource Compiler, TDump utility to structurally analyze EXE, OJB, and LIB files, GREP tool, and MAKE tool	X	X	X	X	X
LANGUAGE AND RUNTIME LIBRARY FEATURES					
Enhanced in XE5! Automatic Reference Counting in iOS and Android ARM compilers	X	X	X	Optional[1]	
Enhanced in XE5! Optimized, 0-based, immutable Unicode strings in iOS and Android ARM compilers	X	X	X	Optional[1]	
Enhanced in XE3! Delphi RTL for 64-bit Windows	X	X	X	X	
Enhanced in XE3! Delphi RTL for OS X	X	X	X	X	
Introduced in XE4! Delphi RTL for iOS	X	X	X	Optional[1]	
New in XE5! Delphi RTL for Android	X	X	X	Optional[1]	
Extensible, cross platform, framework agnostic login credentials service	X	X	X	X	X
Native zip file support	X	X	X	X	X
RTTI for indexed properties and RTL support	X	X	X	X	X
New Regular Expressions (Regex) library	X	X	X	X	X
Object-oriented file and directory I/O classes	X	X	X	X	X
RTTI support for exposure of Methods, Fields, and Properties to support dynamic invocations and other meta-programming approaches (reflection)	X	X	X	X	X
Custom attribute support for most code elements – types, fields, properties, methods, and parameters	X	X	X	X	X
TStringBuilder for easier and faster string concatenation	X	X	X	X	X
Generics with full RTL list and collection support	X	X	X	X	X
Support for localized resources	X	X	X	X	X
UnicodeString type as the default string type	X	X	X	X	X
Anonymous methods	X	X	X	X	X
Expression evaluation in compiler directives	X	X	X	X	X
Create reusable native 32-bit dynamically linked libraries (.DLL), COM controls (.OCX), and standalone executables	X	X	X	X	X
Create reusable native 64-bit dynamically linked libraries (.DLL), COM controls (.OCX), and standalone executables	X	X	X	X	
Custom variants with support of your own data types, complex numbers, safe arrays, and passing variants through data sets	X	X	X	X	X
Variant support for Int64, unsigned types and Unicode strings	X	X	X	X	X
PERSONAL DEVELOPER PRODUCTIVITY					
Template Libraries	X	X	X	X	X

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Introduced in XE4! Deployment Manager: Deploy to iOS	X	X	X	Optional[1]	
New in XE5! Deployment Manager: Deploy to Android	X	X	X	Optional[1]	
Deployment Manager: Deploy to OS X, 32-bit Windows and 64-bit Windows	X	X	X	X	
Deployment Manager: Deploy to Amazon EC2 and Windows Azure	X	X	X	X	
Enhanced in XE5! A set of new examples and demos to help new and existing developers get the most out of the environment	X	X	X	X	X
Object Gallery Descriptions pane that gives better understanding to the wizard or feature	X	X	X	X	X
Designer snapshots – copy form images to the clipboard	X	X	X	X	X
IDE Insight, the fastest way to find and execute commands in the IDE with 1-button click now with object inspector property support	X	X	X	X	X
Code Formatter and beautification for source code including block formatting	X	X	X	X	
Command-line Code Formatter for integration with automated build processes	X	X	X	X	
Code Formatter profiles allow users to create / save / load custom formatter options sets	X	X	X	X	
Audits and metrics	X	X	X	X	
Search for Usages command now available from the code editor and Delphi Class Explorer context menus	X	X	X	X	
Compilation can be done in a background thread	X	X	X	X	X
Checkbox for Boolean types in the Object Inspector greatly enhancing readability	X	X	X	X	X
Property Editors for Date properties now use Calendar controls	X	X	X	X	X
Added capabilities and configuration to the File | Reopen project dialog	X	X	X	X	X
Use Unit interaction capabilities increased	X	X	X	X	X
New Delphi Class Explorer gives configurable hierarchical view of class libraries throughout project. Also enables fast navigation to declarations and implementations, as well as easy addition of fields and methods.	X	X	X	X	
Resource Manager greatly simplifies the addition of resources to projects	X	X	X	X	X
Alpha channels in icons	X	X	X	X	X
Significant all-around IDE performance improvements	X	X	X	X	X
Option to turn-on and off brace highlighting	X	X	X	X	X
Live Code Templates – dynamic scriptable templates streamlines coding complex and common structures and operations. Create or customize code templates and control the behavior, code generation, and user experience of your templates. Surround Templates that can wrap around selected code or text.	X	X	X	X	
Editor "Change Bar" indicates modified lines and saved modified lines	X	X	X	X	X
"Smart" Block completion – anticipates and gracefully adds block closures as you type	X	X	X	X	X
Virtual form positioner for VCL designers in "docked" mode	X	X	X	X	X
Main toolbar with the addition of Run without Debug option	X	X	X	X	X
Project Manager now has the ability to run selected applications with either Run or Run without Debug from the context menu.	X	X	X	X	X
Hot-key Tool Palette w/ Incremental search – find any component quickly	X	X	X	X	X
Gallery in Tool Palette – find gallery wizards when you need them	X	X	X	X	X
SyncEdit – block-edit multiple instances of a symbol simultaneously	X	X	X	X	X
History Manager with automatic multi-level file backups, file differencing and restore	X	X	X	X	X
IDE Welcome Page – with fast access to recent projects, Embarcadero Developer Network RSS news feeds, documentation, helpful links, updates, Weblogs, and more	X	X	X	X	X

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Integrated QualityCentral – submit bug reports and feature requests to Embarcadero	X	X	X	X	X
Structure Pane that displays hierarchical view of source code and provides a VCL Object Treeview for quick navigation and manipulation of objects in the VCL designer	X	X	X	X	X
Syntax Highlighting Open Tools API extension with built in support for JavaScript, PHP, and INI files	X	X	X	X	X
Ability to individually customize editor options for particular file types	X	X	X	X	X
Full-featured Open Tools API allows for customization of the IDE through wizards and experts.	X	X	X	X	X
Symbol Insight – click to navigate to declarations and implementations	X	X	X	X	
Code Insight – Faster performance and improved code and parameter completion provide on-the-fly member lists and parameter hints as you type	X	X	X	X	X
Code Insight – Code completion for DTD described markup language including HTML, WML, XHTML, and XSL	X	X	X	X	
Code Folding configuration and properties	X	X	X	X	
Editor Gutter – easier to read with less clutter	X	X	X	X	X
Code Completion	X	X	X	X	X
Code Completion for HTML, XHTML, XSL, and CSS	X	X	X	X	
Class completion	X	X	X	X	
Custom IDE desktop layout profiles with enhanced support for docked windows	X	X	X	X	X
To-do lists keep your development on track	X	X	X	X	
Crash recovery reporting, enables Embarcadero to understand complex IDE crashes to better serve our customers	X	X	X	X	X
Help Insight – convenient tooltips provide help snippets as you develop	X	X	X	X	X
Open Tools API generic version control support for building third party version control plug-ins to the IDE	X	X	X	X	X
Open Tools API access to code editor tabs exposed	X	X	X	X	X
Open Tools API ability to create dockable views exposed	X	X	X	X	X
Open Tools API ability to create and control Internal tabbing capability	X	X	X	X	X
SOURCE CODE MANAGEMENT					
Version Insight – Integrated framework for supporting source code management tooling inside the IDE	X	X	X	X	
Subversion integration into the IDE	X	X	X	X	X
Subversion/History integration	X	X	X	X	X
A full default Diff viewer	X	X	X	X	
Install Subversion client from the installer	X	X	X	X	
SCM Integration (Subversion) also available as an open source project	X	X	X	X	
INTERNATIONAL DEVELOPMENT					
Unicode-enabled development environment	X	X	X	X	X
Unicode-enabled VCL and FM Application Platform	X	X	X	X	X
UnicodeString type	X	X	X	X	X
Resource DLL Wizard to create Win32 resource DLLs for localization	X	X	X	X	
English, German, French, and Japanese translations available for IDE menus and dialogs, compiled units, resources, and source code	X	X	X	X	X
Easy switching between languages for the IDE menus, dialogs, and more…	X	X	X	X	X
Integrated Translation Environment (ITE) to view and edit VCL forms and resource strings	X	X	X	X	
External Translation Manager (ETM) to view and edit language resource files outside the IDE	X	X	X	X	

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Translation Repository provides a database for translations that can be shared across projects	X	X	X	X	
REFACTORINGS					
Enhanced refactoring for generics support including rename, change parameter, and extract method	X	X	X	X	
Rename refactoring	X	X	X	X	
Refactor driven "Find References"	X	X	X	X	
Includes the following refactorings: Introduce Variable, Introduce Field, Inline Variable, Change Parameters, Safe Delete, Push Members Up / Down, Pull Members Up, Extract Superclass, Extract Interface, Move Members, Declare variable, Declare field, Extract method, Find unit/import namespace, Extract to resource string	X	X	X	X	
Refactor driven "Find in Files"	X	X	X	X	
UML MODELING					
UML Code Visualization – at any time, get a UML model view of your source code	X	X	X	X	
Delphi code generation	X	X	X	X	
Object Ancestry; show an object full hierarchy	X	X	X	X	
Automatic Sequence diagrams generation support	X	X	X		
Ability to load an image into the diagram for annotations and advanced documentation	X	X	X	X	
Diagrams have an updated look and feel	X	X	X	X	
Sequence diagrams	X	X	X		
Collaboration diagrams	X	X	X		
State charts	X	X	X		
Deployment diagrams	X	X	X		
Use case diagrams	X	X	X		
Activity diagrams	X	X	X		
Component diagrams	X	X	X		
Documentation generation	X	X	X		
Run Documentation generation from the command-line	X	X	X		
80+ Static Code Metrics that allow for deep understanding and analysis of the health of the object domain	X	X	X		
Kiviat graph enhancements for interactive reporting	X	X	X		
Introduced for Delphi Professional in 2010! 10+ introductory level static code Metrics for understanding the health of the object diagram				X	
Run static Metrics from the command-line	X	X	X		
200+ Static Code Audits for deep code analysis to better understand the coding style and approach	X	X	X		
Pointer Analysis for Audits	X	X	X		
Introduced for Delphi Professional in 2010! 10 introductory level static code audits for better code understanding				X	
Run static Audits from the command-line	X	X	X		
Import model from Rational® Rose (mdl import)	X				
Language neutral UML 1.5 modeling	X				
Language neutral UML 2.0 modeling	X				
Transformation from language neutral UML 1.5 and UML 2.0 projects to source code projects	X				
Design Patterns support, including GOF patterns	X	X	X		
Diagram printing	X	X	X	X	
XMI 1.1 Import/Export	X	X	X		
Full two-way class diagrams with synchronization between code and diagrams	X	X	X	X	
OCL 2.0 support	X	X	X	X	
"UML in Color" profile	X	X	X	X	

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Diagram hyper-linking and annotations	X	X	X	X	
INTEGRATED DEBUGGING					
Full-featured debugger with color syntax highlighting	X	X	X	X	X
Enhanced in XE3! Debug remote and local 64-bit Windows applications	X	X	X	X	
Enhanced in XE3! Debug remote OS X applications	X	X	X	X	
Introduced in XE4! Remote iOS Simulator Debugging	X	X	X	Optional[1]	
Introduced in XE4! Remote iOS Device Debugging	X	X	X	Optional[1]	
New in XE5! Android Emulator Debugging	X	X	X	Optional[1]	
New in XE5! Android Device Debugging	X	X	X	Optional[1]	
Debugging visualizers to enable extended views of debugging data	X	X	X	X	
Build debugger visualizers for your own custom data types	X	X	X	X	
Debug visualizer for TString types	X	X	X	X	
Debug visualizers for TDateTime, TDate, and TTime	X	X	X	X	
Detach from "Debug session in progress. Terminate?" dialog	X	X	X	X	X
Multi-threaded-debugging the ability to selectively "Freeze" and "Thaw" threads	X	X	X	X	
Multi-threaded-debugging the ability to set a breakpoint for a selected thread	X	X	X	X	
Support for Wait Chain Traversal in Windows 7, Vista and Windows 2008	X	X	X	X	
Disassembly pane has "Show Opcodes" and "Show Addresses" local menu items	X	X	X	X	X
New Debugger Options: "Scroll new events into view" and "Ignore non-user breakpoints"	X	X	X	X	X
Call Stack View shows a glyph indicating if the frame has debug info	X	X	X	X	
CPU view panes can be opened individually outside of an editor tab	X	X	X	X	
Integration between debugger views and panes making it easier to find and understand information	X	X	X	X	
Call Stack view now automatically syncs the Locals view when you double click an item	X	X	X	X	
Evaluator tooltip hints go transparent when the CTRL key is pressed, allowing you to see through them to the editor	X	X	X	X	
Expandable tooltip expression evaluation	X	X	X	X	
Expandable watches	X	X	X	X	
Expandable local variables view	X	X	X	X	
Selective symbol table loading	X	X	X	X	
Close implicitly opened files after debugging	X	X	X	X	X
Multi-select and copy to clipboard support in CPU view	X	X	X	X	X
Ctrl-Click in editor gutter to enable/disable breakpoints	X	X	X	X	X
Sort by load order in Modules view	X	X	X	X	
Set Next Statement local menu item in editor	X	X	X	X	
Exception notification dialog: Break/Continue buttons, "Ignore exception type" checkbox	X	X	X	X	X
Modules View sorting	X	X	X	X	
Remote debugging	X	X	X	X	
Thread view displays status on all processes and threads under debugger control	X	X	X	X	
CPU view for low-level debugging	X	X	X	X	X
Evaluator	X	X	X	X	X
Multi-Process debugging for easy tracing through complex applications	X	X	X	X	
Breakpoint view with toolbar, in-place editing, and enable/disable checkbox	X	X	X	X	X

Feature	Architect	Ultimate	Enterprise	Professional	Starter
Watch view supporting in place editing, checkbox enable/disabling, and the watch names separated from the values with columns	X	X	X	X	X
Multi-tab watch view for logically grouping variables	X	X	X	X	X
Breakpoint view with toolbar, in-place editing, and enable/disable checkbox	X	X	X	X	X
Attach to and debug any process	X	X	X	X	
Detach from any process	X	X	X	X	
Run until return	X	X	X	X	X
Advanced breakpoints with Tooltips, actions, and groups for complete debugging control	X	X	X	X	
Breakpoint Data Aware Triggers	X	X	X	X	
Debug spawned processes	X	X	X	X	
Debug Inspector for easily monitoring properties while debugging	X	X	X	X	
Event log view	X	X	X	X	
INTEGRATED UNIT TESTING					
Integrated unit testing with the DUnit testing framework	X	X	X	X	
Unit test wizards for quick and easy unit test and unit test project creation	X	X	X	X	
Execute unit tests from project manager	X	X	X	X	
DOCUMENTATION					
Enhanced in XE5! Continually updated help system with diagrams showing class hierarchy, and new declared members pages	X	X	X	X	X
Help installer re-integrated in the main installer	X	X	X	X	X
DATABASE APPLICATION DEVELOPMENT AND CONNECTIVITY					
DBEXPRESS					
dbExpress™ 4 database connectivity framework with connection pooling, tracing, and delegate drivers	X	X	X	X	
Enhanced in XE3! Included dbExpress drivers available for 64-bit Windows – InterBase local, MySQL local, and SQLite local only	X	X	X	X	
Enhanced in XE3! Included dbExpress drivers available for 64-bit Windows – InterBase, Firebird, Oracle, MySQL, SQL Anywhere, Informix, and SQLite	X	X	X		
Enhanced in XE3! Included dbExpress drivers available for OS X – InterBase local, MySQL local, and SQLite local only	X	X	X	X	
Enhanced in XE3! Included dbExpress drivers available for OS X – InterBase, Firebird, Oracle, MySQL, SQL Anywhere, Informix, and SQLite	X	X	X		
Introduced in XE4! SQLite dbExpress client support for iOS	X	X	X	Optional[1]	
Introduced in XE4! InterBase Express (IBX) for iOS	X	X	X	Optional[1]	
New in XE5! SQLite dbExpress client support for Android	X	X	X	Optional[1]	
New in XE5! InterBase Express (IBX) for Android	X	X	X	Optional[1]	
Introduced in XE3! SQLite dbExpress client support for Windows and Mac OS X	X	X	X	X	
Introduced in XE3! TSQLMonitor support for SQLite	X	X	X		
Introduced in XE3! Integrated support for sample InterBase database for quick app prototyping	X	X	X	X	
Enhanced in XE4! DataSnap Mobile Connector support for latest versions of iOS, Android and BlackBerry	X	X	X		
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	X	X	X	X	
Enhanced in XE3! dbExpress server connectivity to Embarcadero InterBase® XE3, XE, 2009, and 2007	X	X	X		
Introduced in XE4! InterBase ToGo dbExpress driver for iOS	X	X	X	Optional[1]	
New in XE5! InterBase ToGo dbExpress driver for Android	X	X	X	Optional[1]	
Introduced in XE3! InterBase ToGo dbExpress driver	X	X	X	X	

Feature	Architect	Ultimate	Enterprise	Professional	Starter
Introduced in XE3! InterBase ToGo 64-bit ODBC driver for Windows	X	X	X	X	
Introduced in XE3! dbExpress server connectivity to SQLite 3.x	X	X	X		
dbExpress Server connectivity to Firebird 2.5, 2.1 and1.5	X	X	X		
dbExpress server connectivity to Oracle® 11g and 10g	X	X	X		
dbExpress server connectivity to Microsoft SQL Server® 2008, 2005, and 2000	X	X	X		
dbExpress server connectivity to Informix® 9x (not Unicode-enabled)	X	X	X		
dbExpress server connectivity to IBM DB2® 9.x (not Unicode-enabled)	X	X	X		
dbExpress server connectivity to SQL Anywhere™ 12 and 11 (Unicode-enabled); and SQL Anywhere 9 (not Unicode-enabled)	X	X	X		
dbExpress server connectivity to Sybase® 12.5 (not Unicode-enabled)	X	X	X		
dbExpress server connectivity to MySQL 5.1 and 5.0 (Unicode enabled) and 4.1	X	X	X		
dbExpress ODBC Driver	X	X	X		
dbExpress local connectivity to InterBase	X	X	X	X	
dbExpress local connectivity to MySQL	X	X	X	X	
Introduced in XE3! dbExpress local connectivity to SQLite	X	X	X	X	
Data/Time related functions are now locale dependent	X	X	X	X	
TClientDataset for managing and manipulating datasets in-memory	X	X	X	X	
Enhanced in XE3! LiveBindings connect any type of data to any UI or graphical element in VCL and FM Application Platform	X	X	X	X	X
dbGO™ for ADO connectivity for Windows (MDAC 2.8)	X	X	X	X	
InterBase Express Components	X	X	X	X	
FIREDAC MULTI-DEVICE DATA ACCESS LIBRARY					
New in XE5! MySQL v 5.6 support	X	X	X	Limited*	
New in XE5! InterBase encryption connection options	X	X	X	Limited*	
New in XE5! Support for Oracle 11.2	X	X	X	Optional[2]	
Enhanced in XE5! Data Access components for Windows and OS X	X	X	X	X	
Enhanced in XE5! Data Access components for iOS and Android	X	X	X	Optional[1]	
Enhanced in XE5! Windows/Mac enterprise database support, including MySQL, Microsoft SQL Server, Oracle Database, InterBase, PostgreSQL, Sybase SQL Anywhere, Microsoft Access, IBM DB2 Server, Firebird, Advantage Database	X	X	X	Optional[2]	
Introduced in XE4! Source code of the included database drivers	X	X	X	Optional[2]	
Introduced in XE5! iOS and Android mobile database support, including SQLite, InterBase ToGo and IBLite	X	X	X	Optional[1]	
New in XE5! Support for local databases, including Microsoft Access database, SQLite database, InterBase ToGo / IBLite, InterBase on localhost, MySQL Embedded, MySQL Server on localhost, Advantage Database local engine, PostgreSQL on localhost, Firebird Embedded, Firebird on localhost	X	X	X	X	
Enhanced in XE5! Comprehensive support for SQLite v3+ database, including "smart" data type recognition	X	X	X	X	
Enhanced in XE5! Easy to use TDataSet descendant classes	X	X	X	X	
Enhanced in XE5! Unified Data Access API	X	X	X	X	
Enhanced in XE5! Comprehensive support for InterBase v6+, including multiple transactions	X	X	X	Limited*	
Introduced in XE4! FireDAC clients for DataSnap	X	X	X	Optional[2]	
Enhanced in XE5! High-performance in-memory dataset	X	X	X	X	
Enhanced in XE5! FireDAC source code	X	X	X	Limited*	
Introduced in XE4! Live Data Window mode enabling fast bi-directional navigation through large datasets	X	X	X	X	
Introduced in XE4! Array Data Manipulation Language (DML) command execution and Command Batches for batch applications and for minimizing network traffic	X	X	X	Limited*	

Feature	Architect	Ultimate	Enterprise	Professional	Starter
Introduced in XE4! Direct support for asynchronous command execution, command execution timeout, and command execution canceling	X	X	X	X	
Introduced in XE4! Cached updates mode with ability to track correlated changes for several datasets with cascading updates	X	X	X	Limited*	
Introduced in XE4! Full support for auto-incrementing fields, including those based on generators and table triggers	X	X	X	X	
Introduced in XE4! SQL dialect abstraction through FireDAC escape sequences, conditional statements and macros	X	X	X	Limited*	
Introduced in XE4! Data type unification with flexible and adjustable data type mapping	X	X	X	X	
Enhanced in XE5! Easy to use TFDMemTable - in-memory dataset, highly compatible with TClientDataSet	X	X	X	X	
Enhanced in XE5! DataSnap client support for HTTP, HTTPS and TCP/IP protocols and authentication	X	X	X	Optional[2]	
Introduced in XE4! Local SQL with heterogeneous SQL commands to TDataSets, full SQLite SQL dialect support, add-hoc TDataSet lookup	X	X	X	X	

[2] Requires purchase of FireDAC Client/Server Pack for Professional

* Limited in the Professional Edition

DATASNAP MULTI-TIER					
Create multi-tier database applications with DataSnap. Create middle tier application servers and connect to them from thin clients. Place business rules and write stored procedure code in Delphi on the middle tier.	X	X	X		
Deploy DataSnap servers to Amazon EC2	X	X	X		
HTTPS support in stand-alone DataSnap Applications	X	X	X		
DataSnap server ability to terminate socket connection	X	X	X		
Communication Timeout for HTTP protocol	X	X	X		
JavaScript Minification with dispatching	X	X	X		
Heavyweight callbacks support broadcasting to specific callbacks	X	X	X		
RoleItem has Exclude list	X	X	X		
Callback channel events for servers and clients	X	X	X		
DataSnap REST server support for multiple Callback Tunnels	X	X	X		
Session Events for TCP/IP Protocol	X	X	X		
KeepAlive support for TCP transport component	X	X	X		
Object support in DataSnap sessions	X	X	X		
Monitor and control connections	X	X	X		
Allow changing of JSON result format in REST calls	X	X	X		
Allow query parameters in REST calls and store them	X	X	X		
Proxy information support for HTTP connections	X	X	X		
Identify client connection information (IP address and protocol, and application name for HTTP)	X	X	X		
New ServerMethods give complete control over functionality of middle tier. Call procedures from server as if the code were right on the client. Continue to use familiar IAppServer interface while expanding power of application servers. No COM dependencies in new DataSnap framework and now with TJSonValue pairs making it easier to pass data	X	X	X		
Improved Session events for increased simplicity of a multi-tier implementation	X	X	X		
DataSnap wizards from the Object Gallery to make server and client creation even easier	X	X	X		
DataSnap wizard source code enabling developers to build their own DataSnap server wizards	X	X	X		
Added support for REST(ful) interface and exposure from the Server	X	X	X		
Support for REST client proxy generation	X	X	X		
DataSnap Server Proxy generation	X	X	X		

Feature	Architect	Ultimate	Enterprise	Professional	Starter
Added support for HTTP and HTTPS communication protocol beyond the local DataSnap (TCP/IP) approach	X	X	X		
Added HTTP tunneling support for client code outside the firewall	X	X	X		
Added Filter support for encryption and compression over-the-wire	X	X	X		
Included new encryption PC1 and compression filters now included for quick enablement.	X	X	X		
Heavyweight callbacks for enhanced client/server communications and notifications	X	X	X		
Added support for publishing DataSnap server through the WebBroker approach	X	X	X		
Added lightweight Callbacks	X	X	X		
Enhanced in XE5! TClientDataSet support for iOS and Android	X	X	X		
Royalty Free! MIDAS/DataSnap multi-tier deployment license	X	X	X		
MIDAS/DataSnap multi-tier development license - no deployment	X	X	X		
MIDAS.DLL source code included	X	X	X	X	
ClientDataSet support for OS X	X	X	X	X	
ClientDataSet support for 64-bit Windows	X	X	X	X	
Enhanced in XE5! DataSnap clients for iOS and Android	X	X	X		
Introduced in XE3! MyBase XML in memory dataset support	X	X	X	X	X
DATASNAP DESKTOP CLIENT CONNECTORS					
Windows 32-bit	X	X	X		
Windows 64-bit	X	X	X		
Mac OS X	X	X	X		
DATASNAP WEB CLIENT CONNECTORS					
Simple REST / JavaScript	X	X	X		
DATASNAP MOBILE CLIENT CONNECTORS					
Enhanced in XE4! Apple iOS (iPhone, iPad, iPod Touch) 5.1 and 6.x	X	X	X		
RIM BlackBerry	X	X	X		
Windows Phone 7	X	X	X		
Enhanced in XE3! Android Gingerbread, Ice Cream Sandwich, and Jelly Bean	X	X	X		
DATABASE TOOLS					
Data Explorer optimized to add and manage database connections and browse database schema	X	X	X	X	
Drag and Drop from the dbExpress node in the Data Explorer into VCL Forms to speed development	X	X	X	X	
SQL console views for running queries and viewing results on any dbExpress 4 supported database	X	X	X	X	
Navigate to Delphi code-based stored procedures from Data Explorer	X	X	X	X	
INCLUDED DATABASES					
Introduced in XE3! InterBase XE3 Developer Edition – up to 20 users and 80 logical connections	X	X	X	X	
Enhanced in XE5! IBLite for iOS and Android with unlimited deployment license	X	X	X	Optional[1]	
Introduced in XE3! InterBase ToGo Test Deployment License	X	X	X	X	
Borland Database Engine (32-bit) for dBASE and Paradox	X	X	X	X	
CLOUD SUPPORT					
Ability to connect to Windows Azure	X	X	X	X	
Ability to manipulate Windows Azure blobs, queues, and tables	X	X	X	X	
MetaData support for TAzureQueueManagement	X	X	X	X	
ContinuationToken support for Azure Table	X	X	X	X	
Amazon Simple Storage Service API	X	X	X	X	
Amazon Queue Service API	X	X	X	X	
Amazon SimpleDB API	X	X	X	X	

Feature	Architect	Ultimate	Enterprise	Professional	Starter
Deploy to Amazon EC2	X	X	X	X	
Deploy to Windows Azure	X	X	X	X	
REST CLIENT LIBRARY					
REST Client Library for simplified invocation of REST services	X	X	X	X	
Authorization support including Basic Authentication, Plan Authentication, OAuth1, OAuth2	X	X	X	X	
TRestClient, TRestRequest, and TRestResponse components	X	X	X	X	
REST Debugger tool for testing REST calls and their parameters	X	X	X	X	
PROFILING with AQtime 7 Standard					
AQtime 7 Standard for RAD Studio integrated plug-in	X	X	X	X	
Support for 32 bit applications	X	X	X	X	
Performance and function timing profiling	X	X	X	X	
Parent / child contribution analysis	X	X	X	X	
Analysis of memory and resource allocation and leaks	X	X	X	X	
Code coverage	X	X	X	X	
Exception tracing	X	X	X	X	
Selective profiling using profiling areas	X	X	X	X	
FILE COMPARE with Beyond Compare Text Compare					
Beyond Compare Text Compare integration	X	X	X	X	
Compare and edit the contents of files with syntax highlighting	X	X	X	X	
Ignore changes in whitespace and comments	X	X	X	X	
Print reports of differences or save them as HTML or plain	X	X	X	X	
Filter display to only show differences, optionally with a few lines of context	X	X	X	X	
Built-in support for Delphi, C++, HTML, DFMs, and more	X	X	X	X	
Adds a "Compare" menu to the IDE's "Edit" menu and Project Manager, with commands to compare against previous revisions, other editor tabs, and original files	X	X	X	X	
Automatically configured for both differences and merges from the History view	X	X	X	X	
LOGGING with CodeSite Express					
Raize Software CodeSite Express Integration provides advanced application logging and debugging capabilities	X	X	X	X	
Log all kinds of information without data conversions including strings, numbers, dates & times and even objects, string lists, exceptions, and much more	X	X	X	X	
Log information from application code (including recursive functions and multiple threads) without interrupting program execution or causing side effects	X	X	X	X	
Emphasize important logging information through a variety of message types	X	X	X	X	
Send logging messages to a CodeSite Log File for later review or to the CodeSite Live Viewer for real-time analysis, or to both simultaneously	X	X	X	X	
Utilize the extensive analysis tools in the CodeSite Viewers to analyze message logs and locate problem areas faster	X	X	X	X	
Filter message logs by application name, process id, thread name, computer name, category, and message text	X	X	X	X	
Quickly organize the message log into multiple views by using the advanced CodeSite Message Organizer	X	X	X	X	
Control the amount of logging information generated by using additional CodeSite loggers with their own Category instead of relying on arbitrary logging levels	X	X	X	X	
Record method calls to add call stack structure to the message log	X	X	X	X	
IP*Works! COMMUNICATION COMPONENTS					

Feature	Architect	Ultimate	Enterprise	Professional	Starter
The full version of /n software's IP*Works! components – A comprehensive suite of components for Internet communications including more than 40 individual components covering every major Internet Protocol.	X	X	X	X	
Royalty free commercial components for Internet development including ATOM, CalDAV, FileMailer, FTP, HTMLMailer, HTTP, ICMPPort, IMAP, IPDaemon, IPInfo, IPMonitor, IPPOrt, JSON, LDAP, Mcast, MIME, MX, NetClock, NetCode, NetDial, NNTP, Ping, POP, RCP, REST, Rexec, Rshell, RSS, SMPP, SNPP, SOAP, Syslog, Telnet, TFTP, TraceRoute, UDPPort, WebDav, WebForm, WebUpload, Whois, XMLp, and XMPP	X	X	X	X	
Components are easy to use, with a uniform, intuitive, and extensible design	X	X	X	X	
Components share common interfaces across platforms and technologies	X	X	X	X	
Components are fast, robust, and reliable with minimal resource consumption	X	X	X	X	
Components are lightweight and have no dependencies on external libraries	X	X	X	X	
Detailed reference documentation, hundreds of sample applications, fully-indexed helps files, and an extensive online knowledge base	X	X	X	X	
TeeChart CHARTING COMPONENTS					
TeeChart Standard – reporting and graphing component set	X	X	X	X	
FastReport REPORTING SOLUTIONS					
FastReport VCL 4 RAD Edition reporting tool	X	X	X	X	
Exports to popular formats (PDF, RTF, HTML, BMP, JPEG, TIFF, GIF, TXT, CSV)	X	X	X	X	
Grouping with drill-downs	X	X	X	X	
Caching of the big reports(uses less memory)	X	X	X	X	
Six levels in master-detail-subdetail relation	X	X	X	X	
DOCUMENTATION TOOLS					
Documentation Insight – a Delphi XML documentation tool	X	X	X	X	
ADDITIONAL COMPONENTS AND TOOLS					
glyFX Icon Library – Embarcadero Edition	X	X	X	X	
Enhanced in XE5! SOAP Clients for iOS and Android	X	X	X	Optional[1]	
Support for SOAP 1.2 clients	X	X	X	X	
BIZSNAP WEBSERVICES™					
WSDL External Schema support	X	X	X	X	
BizSnap™ XML Transformation Tools and Components to easily build data exchanges between XML and datasets	X	X	X		
BizSnap native Delphi XML bindings to simplify XML programming – access XML documents as Delphi objects	X	X	X		
Easily create Win32, Win64 and XML/SOAP Web Services	X	X	X	X	
SOAP runtime support for optional and unbounded elements	X	X	X	X	
SOAP features updated to support Amazon, eBay, MapPoint, and more	X	X	X	X	
Build server-side XML Web Services	X	X	X	X	
Build client-side XML Web Services	X	X	X	X	
WEB APPLICATION DEVELOPMENT					
INTRAWEB					
Introduced in XE3! IntraWeb XIV – RAD Web Application framework, Personal Edition				X	
Introduced in XE3! IntraWeb XIV – RAD Web Application framework, Standard Edition	X	X	X		
Integrated Page Mode	X	X	X	X	
RSS Feeds	X	X	X	X	
Static content	X	X	X	X	

Feature	Architect	Ultimate	Enterprise	Professional	Starter
URL Mapping	X	X	X	X	
Standalone deployment	X	X	X	X	
Windows Service Deployment	X	X	X		
Concurrent session limit				X	
Unlimited concurrent session limit	X	X	X		
Application Mode	X	X	X	X	
Code based Authentication	X	X	X	X	
Session time out limit of 20 minutes	X	X	X	X	
INTERNET DIRECT (INDY)					
Enhanced in XE5! Indy for iOS and Android	X	X	X	Optional[1]	
Internet Direct (INDY) components with more than 120 Internet protocols and Internet standards including TCP, UDP, ICMP, SMTP, POP3, IMAP4, HTTP, NNTP, FTP, IPv6, and much more	X	X	X	X	X
INDY component libraries for Win64	X	X	X	X	
INDY component libraries for OS X	X	X	X	X	
COM/DCOM SUPPORT					
Fully re-architected COM/ActiveX support now enables transparent access to IDL and code. Support now is source control friendly and allows total control over implementation of COM and ActiveX objects.	X	X	X	X	X
ActiveX for Win 64	X	X	X	X	
Wizards support wrapping existing VCL components as ActiveX controls	X	X	X	X	X
Import .NET assemblies as COM objects in Win32 VCL applications	X	X	X	X	X
DCOM support	X	X	X	X	
Legacy support for DataSnap/MIDAS COM/DCOM based multi-tier database application framework	X	X	X		
Advanced Type Library Editor now manages IDL, making COM development completely transparent.	X	X	X	X	
History Manager supports IDL, with automatic multi-level file backups, file differencing and restore	X	X	X	X	
Support for Automation Object event handling	X	X	X	X	
COM Object Wizard	X	X	X	X	
Microsoft ActiveX® Control Data binding	X	X	X	X	
Import COM servers as components to develop visually	X	X	X	X	
VISUAL COMPONENT LIBRARY (VCL)					
VCL support for Win64	X	X	X	X	
Introduced in XE3! VCL Metropolis Project Templates (blank, grid, split layout)	X	X	X	X	X
Introduced in XE3! 4 VCL Metropolis styles for XP, Vista, Windows 7, Windows 8	X	X	X	X	X
Introduced in XE3! VCL style support for Ribbon controls	X	X	X	X	X
Introduced in XE3! Easy one-click Metropolis VCL form converter	X	X	X	X	X
VCL Form Designer to visually build native Windows applications	X	X	X	X	X
VCL source code to extend and debug components	X	X	X	X	
VCL Styles: Create VCL applications with enhanced GUI	X	X	X	X	X
Professional looking custom styles such as the Graphite series for VCL	X	X	X	X	X
Create your own custom styles with the VCL Style Designer	X	X	X	X	X
Integrated gesturing framework with multi-OS support for Windows 8, 7, Vista, and XP	X	X	X	X	X
Gesture Designer enables full control of all gesture design and interaction	X	X	X	X	X
Gesture components (TGestureListView, TGesturePreview, TGestureRecorder) to build gesture creation and management into VCL based applications	X	X	X	X	X

Feature	Architect	Ultimate	Enterprise	Professional	Starter
Enhanced in XE5! Interactive multi-touch gestures for pan, zoom, rotate, tap, double tap, tap and hold (requires multi-touch enabled OS)	X	X	X	X	X
TTouchKeyboard a virtual keyboard for enhanced non-keyboard interface interactions that support multiple locales and languages	X	X	X	X	X
Ability to easily change languages and all TWinControls respond to the change	X	X	X	X	X
Ribbon Controls components for creating Microsoft Office style ribbon interfaces including ribbon, ribbon application menu bar, combobox, toolbar and tips	X	X	X	X	X
New VCL Components: TCategoryPanelGroup, TButtonedEdit, TLinkLabel, TBalloonHint	X	X	X	X	X
Enhancements to existing controls: TButton, TEdit, TProgressBar, TListView, TTreeView, TRichEdit, TImageList	X	X	X	X	X
Theming support for TGrid descendants	X	X	X	X	X
Full support for PNG image format in TImage and TImageList	X	X	X	X	X
Icons can be assigned to Bitmaps	X	X	X	X	X
Support for Windows Imaging Component (WIC) including JPEG, TIFF, GIF, PNG, BMP, and HD Photo image formats. RAW camera formats (such as NRW, NEF, CRW, CR2, RW2, ARW, SR2, SRF, ORF, PEF, and DNG) also supported with manufacturer supplied codecs.	X	X	X	X	X
TImageList now supports all graphics formats contained in TImage	X	X	X	X	X
Import Component wizard to import a type library, ActiveX control or .NET Assembly	X	X	X	X	X
New Component wizard to create the unit for a new component	X	X	X	X	X
Object-oriented, fully extensible and reusable component and application architecture	X	X	X	X	X
Visual Form Inheritance and Form linking to reduce coding and simplify maintenance	X	X	X	X	X
Frames for building and reusing compound components	X	X	X	X	X
Object Repository for storing and reusing forms, Data Modules, and experts	X	X	X	X	X
Object Inspector to set component properties and events	X	X	X	X	X
Windows Vista look and feel including Windows Aero glassing effects	X	X	X	X	X
Support for Windows theming of applications	X	X	X	X	X
Standard components including frame, edit, menu, button, label, checkbox, list box, combo box, panel and action list	X	X	X	X	X
Additional components including graphical buttons, image, shape, scroll box, splitter, buttoned edit, tabs, panels, action toolbar, and color map	X	X	X	X	X
Win32 components including page control, image list, rich edit, progress bar, date time, calendar, toolbar, tree view and list view	X	X	X	X	X
System components including timer, paint box, media player, OLE container and DDE	X	X	X	X	X
Win 3.1 controls including tabbed notebook, file list box, directory list box, drive combo box, filter combo box and db lookup	X	X	X	X	X
Dialog components including open, save, open/save picture, open/save text, font, color, print, printer setup, find, replace and page setup	X	X	X	X	X
Data Access Controls - datasource	X	X	X	X	X
Data Access Controls including client dataset, dataset provider and XML transform	X	X	X	X	
Data Controls including dbgrid, navigator, text, edit, memo, image, listbox, combo box, checkbox, radiogroup, lookup and rich edit	X	X	X	X	X
dbExpress components including SQL connection, SQL dataset, SQL query, SQL Stored Proc, SQL table, SQL server method, SQL monitor (not included in Professional) and simple dataset	X	X	X	X	

Feature	Architect	Ultimate	Enterprise	Professional	Starter
Internet components including web browser, dispatcher, page producer, dataset, query, page, table, TCP client and server and XML document	X	X	X	X	
Vista Dialog components including file open, file save and task	X	X	X	X	X
DataSnap Client components including provider connection, DCOM connection, socket connection, shared connection, local connection, web connection, object broker and connection broker	X	X	X		
DataSnap Server components including TDSTCPServerTransport, TDSProxyGenerator, TDSServerMetaDataProvider, TDSConnectionMetaDataProvider, TDSRestConnection, TDSRestMetaDataProvider, TDSHTTPWebDispatcher, TDSServer, TDSServerClass, TDSHTTPService, TDSAuthenticationManager, TDSClientCallbackChannelManager, and TDSHTTPServiceFileDispatcher	X	X	X		
Windows Azure components including AzureConnectionString, AzureBlobManagement, AzureQueueManagment, and AzureTableManagment	X	X	X	X	
Sample components including gauge, color grid, spin button, spin edit, directory outline and calendar	X	X	X	X	X
Indy components with more than 120 Internet protocols and Internet standards including TCP, UDP, ICMP, SMTP, POP3, IMAP4, HTTP, NNTP, FTP, IPv6, and much more	X	X	X	X	X
Web Services components including HTTP, SOAP, and WSDL	X	X	X	X	
dbGo components including ADO connection, command, dataset, table, query and stored procedure	X	X	X	X	
IntraWeb components including Silverlight, Standard, Control, Standard 3.2, WAP, Data, Client Side, Data 3.2, Data WAP	X	X	X	X	
TeeChart Standard components including chart, DBchart, dataset, buttons, draw, combo and image	X	X	X	X	
InterBase Express (IBX) components	X	X	X	X	
DATABASE APPLICATION DEVELOPMENT					
Enhanced in XE3! Fast SQL database development, change management, profiling, and tuning with DB PowerStudio® XE3, Developer Edition		X			
Rapid SQL to write high quality SQL code faster		X			
DB Optimizer to visually tune SQL		X			
DB Change Manager to simplify database change management		X			
DATABASE MODELING AND DESIGN					
Updated in XE4! Embarcadero® ER/Studio® 9.5 Developer Edition, a database modeling and design tool for better understanding database structures	X				
Highly productive model-driven database design environment – advanced graphics, multilevel design capabilities, automated and custom transformation, denormalization mapping, extensible automation and undo/redo	X				
Database lifecycle support – forward engineering, reverse engineering to construct a model from an existing database or schema, and database modification	X				
Enterprise model management – advanced compare and merge, submodel management, "where used" analysis and XML schema generation	X				
Data warehouse and integration support – data lineage and dimensional modeling	X				
Quality database design - model completion validation, automatic migration of foreign keys and capacity planning	X				
Security design and assessment – including data classification and permission management	X				
Database modeling and design for Oracle, Microsoft SQL Server, DB2 LUW, InterBase, MySQL, Informix, Sybase ASE, SQL Anywhere, ODBC, and ANSI SQL	X				
Visual Data Lineage – Visually analyze and document how data flows through your organization without needing to inspect code	X				

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Feature	Architect	Ultimate	Enterprise	Professional	Starter
Attribute-level submodeling – Choose which attributes/columns to include in the entities/tables in the submodel and also describe submodels on the new Definition tab, then create queries to search on the definitions	X				
Object-level Compare Flags – Indicate international discrepancies when comparing models that the Compare Wizard should ignore.	X				
Produce reports in HTML format	X				
LICENSING AND TOOL MANAGEABILITY					
No fees or limitations on deployment of applications built with Delphi	X	X	X	X	
Starter edition can be used to develop and distribute software up to $1,000 US in total revenue. If your total revenue related to apps built with Delphi is greater than $1,000 US, you must purchase a Pro, Ent, or Arch edition License					X
Licensing suitable for larger teams with no restriction on number of licenses you can purchase or use	X	X	X	X	
Starter edition limited to 5 simultaneous users within a network					X
AppWave network named or concurrent licenses available	X	X	X	X	
Enhanced in XE5! Earlier version licenses included in AppWave network licenses (Delphi 2007- XE4). Delphi 7 available separately	X	X	X	X	
Enhanced in XE5! Access to licenses and downloads for earlier versions with purchase of standalone product licenses (Delphi 2007 – XE4, Delphi 7)	X	X	X	X	
Upgradeable to Embarcadero All-Access XE	X	X	X	X	

[1] Requires purchase of Mobile Add-On Pack for Professional

[2] Requires purchase of FireDAC Client/Server Pack for Professional

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