RAD Studio XE3

The developer force multiplier for Windows 8, Mac, Web and mobile

embarcadero®

Feature Matrix

Feature	Personality	Architect	Ultimate	Enterprise	Professional
INTEGRATED COMPILERS AND TOOLCHAINS					
Enhanced in XE2! 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!®	D	X	X	X	X
Introduced in XE2! Delphi 64-bit compiler for Windows	D	X	X	X	X
New in XE3! C++ 64-bit compiler for Windows	C	X	X	X	X
Enhanced in XE3! Delphi OS X compiler	D	X	X	X	X
Enhanced in XE3! C++ OS X compiler	C	X	X	X	X
Enhanced in XE2! Embarcadero C++ Compiler 6.50 (bcc64)	C	X	X	X	X
Enhanced in XE2! Embarcadero C++ Compiler 6.50 (bcc32)	C	X	X	X	X
Enhanced in XE2! Delphi command line toolchains for Windows (dcc32, dcc64)	D	X	X	X	X
Enhanced in XE3! Delphi command line toolchains for Mac OS X (dccosx)	D	X	X	X	X
Enhanced in XE2! C++ command line toolchains for Windows (bcc32, bcc64)	C	X	X	X	X
Enhanced in XE3! C++ command line toolchains for Mac OS X (bccosx)	C	X	X	X	X
Enhanced in XE2! Create 32-bit optimized Delphi and C++ native executables that can run on both 32 and 64-bit Windows operating systems	C D	X	X	X	X
Enhanced in XE3! Embarcadero Prism (Oxygene for .NET) Compiler 5.2	P	X	X	X	X
Enhanced in XE3! ANSI/ISO C++11 and C99 Standard language conformance and Boost support for 64-bit Windows	C	X	X	X	X
#pragma once support that allows for better compatibility with MSVC and also acts as a header guard	C	X	X	X	X
[[deprecated]] attribute to flag constructs as deprecated	C	X	X	X	X
Secure C library functions	C	X	X	X	X
Enhanced compiler switches for XML representation of source code	C	X	X	X	X
Custom evaluators for C++ Strings types	C	X	X	X	X
Linker error handling to improve memory management flexibility and resolution	C	X	X	X	X
APPLICATION PLATFORMS, INTEGRATED FRAMEWORKS, DESIGNERS AND SDKS					
Enhanced in XE3! FireMonkey platform for creating 32-bit Windows applications for Windows 8, Windows 7, Windows Vista and XP; Server 2003 and 2008.	C D	X	X	X	X
Enhanced in XE3! FireMonkey platform for creating 64-bit Windows applications for Windows 8, Windows 7, Windows Vista and XP; Server 2003 and 2008.	CD	X	X	X	X
Enhanced in XE3! FireMonkey platform for creating OS X 10.6, 10.7 and 10.8 applications	C D	X	X	X	X
XE2 only! FireMonkey Platform for creating applications for iOS 4.2 and higher	D	X	X	X	X
Enhanced in XE3! VCL (Visual Component Library) for rapidly building 64-bit applications for Windows 8, Windows 7, Windows Vista and XP; Server 2003 and 2008	CD	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; Server 2003 and 2008	C D	X	X	X	X
Enhanced in XE! Microsoft Windows SDK support for Windows Vista APIs and Windows 7	C D	X	X	X	X
Support for Windows 7 Direct2D API	C D	X	X	X	X
New in XE3! FireMonkey support for DirectX 10	C D	X	X	X	X

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Enhanced in XE3! Embarcadero Prism .NET 4.5 support	P	X	X	X	X
VCL forms designer with live Snap-to hints and layout guidelines	C D	X	X	X	X
Enhanced in XE2! Unified Modeling Language® (UML®) designer	C D	X	X	X	X
.NET headers for C++ to .NET API access	C	X	X	X	X
New in XE3! VCL Metropolis Project Templates (blank, grid, split layout)	C D	X	X	X	X
FIREMONKEY (FM²)					
New in XE3! Actions and ActionLists	C D	X	X	X	X
New in XE3! Anchors	C D	X	X	X	X
New in XE3! Layout Managers (Flow Layout, Grid Layout)	C D	X	X	X	X
New in XE3! Multimedia support for playing popular video formats	C D	X	X	X	X
New in XE3! Multimedia support for playing popular audio formats	C D	X	X	X	X
New in XE3! Location Services component for GPS or triangulation	C D	X	X	X	X
New in XE3! Motion Sensor component for accelerometer and gyroscope access	C D	X	X	X	X
New in XE3! Camera Sensor support	C D	X	X	X	X
Enhanced in XE3! 3D File Import Support	C D	X	X	X	X
New in XE3! Metropolis UI Style for XP, Vista, Windows 7, Windows 8	C D	X	X	X	X
New in XE3! Mac OS X 10.8 native style	C D	X	X	X	X
New in XE3! Mac OS X 10.8 high resolution native Retina Style	C D	X	X	X	X
New in XE3! Non-Client Area Application Styling for Windows and Mac	C D	X	X	X	X
New in XE3! Metropolis UI grid page side scrolling	C D	X	X	X	X
New in XE3! Edit control with stylable glyph with built-in style support for search bar, password control and more	C D	X	X	X	X
Enhanced in XE3! FireMonkey performance optimizations	C D	X	X	X	X
New in XE3! Animated progress glyphs including Windows 8 ring	C D	X	X	X	X
Enhanced in XE3! StyleLookUp support with preview of available designs for the selected component	C D	X	X	X	X
New in XE3! Live Tile support for Enterprise deployment - interaction with desktop application launching and dynamic content management on Windows 8	C D	X	X	X	X
New in XE3! FireMonkey Project Templates for Metropolis UI (blank, grid and split layout);	C D	X	X	X	X
Enhanced in XE3! Definable touch target support for each control	C D	X	X	X	X
New in XE3! Metropolis UI samples illustrating Microsoft® style guide	C D	X	X	X	X
New in XE3! Easy one-click Metropolis UI form converter for existing forms	C D	X	X	X	X
New in XE3! 4 new Metropolis UI styles	C D	X	X	X	X
New in XE3! Support for Windows 8 gestures	C D	X	X	X	X
New in XE3! Multiple button/control states	C D	X	X	X	X
New in XE3! Application toolbar for Metropolis UI	C D	X	X	X	X
New in XE3! Shared external redistributable bitmap style designer for VCL and FireMonkey	C D	X	X	X	X
New in XE3! FireMonkey bitmap based styles	C D	X	X	X	X
Enhanced in XE3! Native UI control styles	C D	X	X	X	X
Enhanced in XE3! Additional native and custom UI styles	C D	X	X	X	X
Enhanced in XE3! Text and Memo control performance	C D	X	X	X	X
Introduced in XE2! FireMonkey Form Inheritance	C D	X	X	X	X
New in XE3! Use one shader language for all rendering libraries (OpenGL or Direct3D)	C D	X	X	X	X
New in XE3! On-screen keyboard support for Windows touch devices	C D	X	X	X	X
New in XE3! MetropolisUIListBox support for easily creating listboxes and custom grid layouts	C D	X	X	X	X
New in XE3! Mac OS X App Store Ready	C D	X	X	X	X
VISUAL LIVE BINDINGS					
New in XE3! Visually connect component properties and data	C D	X	X	X	X

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New in XE3! Easily replace prototype data with real ClientDataSet data with one click	C D	X	X	X	X
New in XE3! Context sensitive LiveBindings Wizard	C D	X	X	X	X
New in XE3! Support for QuickBinding components	C D	X	X	X	X
New in XE3! Ability to visually add and bind to additional component properties	C D	X	X	X	X
New in XE3! Color coded component properties easily identify bindable members	C D	X	X	X	X
New in XE3! Zoom control for Visual LiveBindings Designer	C D	X	X	X	X
New in XE3! Ability to save image of current LiveBindings Designer layout	C D	X	X	X	X
New in XE3! Hide visual elements on right-click	C D	X	X	X	X
New 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	C D	X	X	X	X
New in XE3! Easily launch the LiveBindings Designer with the right-click 'Bind Visually' command on the form designer	C D	X	X	X	X
New 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	C D	X	X	X	X
INTEGRATED BUILD TOOLS AND PROJECT SUPPORT					
Enhanced in XE2! IDE support for building and managing projects for 32-bit Windows	C D	X	X	X	X
Enhanced in XE3! IDE support for building and managing projects for 64-bit Windows	CD	X	X	X	X
Enhanced in XE3! IDE support for building and managing projects for OS X	C D	X	X	X	X
New in XE3! IDE support for targeting OS X builds for Mac OS X App Store	C D	X	X	X	X
Enhanced in XE3! FireMonkey application wizards	C D	X	X	X	X
Enhanced in XE3! Platform Assistant for deploying and debugging across platforms	C D	X	X	X	X
Enhanced in XE! 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.	C D	X	X	X	X
File manipulation and creation through the Project Manager facilities	C D	X	X	X	X
Optimize build times with pre-compiled header wizard	C	X	X	X	X
Compiler option to treat warnings as errors	D	X	X	X	X
Batch compilation – compile all files in project at once for increased performance	C	X	X	X	X
Flexible build system leveraging MSBuild with identical build process from the IDE or command line	C D	X	X	X	X
Virtual folders to logically organize files in your project stored in different locations	C	X	X	X	X
Enhanced in XE3! C++Builder 3 through XE2 project import	C	X	X	X	X
Enhanced in XE3! Delphi 1 through XE2 project import	D	X	X	X	X
Enhanced in XE2! Build Configurations provide flexibility to organize multiple build settings for all compiler, linker options, and platform support	C D	X	X	X	X
Named option sets to save and apply build configurations to any project	C D	X	X	X	X
Share option-sets between build configurations and between projects	C D	X	X	X	X
Multi-select files in the Project Manager	C D	X	X	X	X
File Browser – Windows shell integrated into the IDE	C D	X	X	X	X
Build Events for pre-build, pre-link (C++ only), and post-build on project and file levels	C D	X	X	X	X
Project dependency checking	C D	X	X	X	X
Enhanced in XE! IDE Studio personality indicator – shows which is active when multiple languages are available	C D	X	X	X	X
Project level build ordering	C D	X	X	X	X
File level build ordering	C	X	X	X	X
Build/Make from here – Make or build current project and all later projects	C D	X	X	X	X
Impdef utility provides information about DLLs	C	X	X	X	X
Implib utility to create import libraries from DLLs	C	X	X	X	X

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Additional command line tools include Microsoft Resource Compiler, TDump utility to structurally analyze EXE, OJB, and LIB files, GREP tool, and MAKE tool	C D	X	X	X	X
Enhanced in XE! Tlib utility for symbol case conversion to create extended libraries and modify page sizes	C	X	X	X	X
LANGUAGE AND RUNTIME LIBRARY FEATURES					
Enhanced in XE3! C++ RTL for 64-bit Windows	C	X	X	X	X
Enhanced in XE3! Delphi RTL for 64-bit Windows	D	X	X	X	X
Enhanced in XE3! Delphi RTL for OS X	D	X	X	X	X
Enhanced in XE3! C++ RTL for OS X	C	X	X	X	X
Introduced in XE2! Extensible, cross platform, framework agnostic login credentials service	C D	X	X	X	X
Introduced in XE2! Native zip file support	C D	X	X	X	X
Introduced in XE2! RTTI for indexed properties and RTL support	D	X	X	X	X
Enhanced in XE3! C++ RTTI compatibility with Delphi	C	X	X	X	X
New in XE3! Boost 1.5 for Windows 64-bit	C	X	X	X	X
New in XE3! Dinkumware 5.3 RTL for 64-bit	C	X	X	X	X
Introduced in XE2! Boost for OS X	C	X	X	X	X
Introduced in XE2! Dinkumware RTL for OS X	C	X	X	X	X
Enhanced in XE! New Regular Expressions (Regex) library	C D	X	X	X	X
Object-oriented file and directory I/O classes	C D	X	X	X	X
Dinkumware STL v5.01 with iterator debugging	C	X	X	X	X
ANSI/ISO standard library Technical Report 1	C	X	X	X	X
Enhanced in XE2! RTTI support in C++	C	X	X	X	X
RTTI support for exposure of Methods, Fields, and Properties to support dynamic invocations and other meta-programming approaches (reflection)	D	X	X	X	X
Custom attribute support for most code elements – types, fields, properties, methods, and parameters	D	X	X	X	X
TStringBuilder for easier and faster string concatenation	D	X	X	X	X
Generics with full RTL list and collection support	D	X	X	X	X
Support for localized resources	C D	X	X	X	X
Improved standard C++ heap manager	C	X	X	X	X
Enhanced in XE! Optimized string/memory handling functions	C	X	X	X	X
UnicodeString type as the default string type	D	X	X	X	X
UnicodeString class	C	X	X	X	X
Anonymous methods	D	X	X	X	X
Unicode character types char16_t and char32_t	C	X	X	X	X
Move semantics with rvalue references	C	X	X	X	X
Explicit conversion operators	C	X	X	X	X
Static assertions	C	X	X	X	X
Full type trait support	C	X	X	X	X
Extern templates	C	X	X	X	X
[[final]] and [[noreturn]] attributes	C	X	X	X	X
Decltype keyword	C	X	X	X	X
Scoped enumerations	C	X	X	X	X
Expression evaluation in compiler directives	C D	X	X	X	X
Create reusable native 32-bit dynamically linked libraries (.DLL), COM controls (.OCX), and standalone executables	C D	X	X	X	X
Create reusable native 64-bit dynamically linked libraries (.DLL), COM controls (.OCX), and standalone executables	D	X	X	X	X
Custom variants with support of your own data types, complex numbers, safe arrays, and passing variants through data sets	C D	X	X	X	X
Variant support for Int64, unsigned types and Unicode strings	C D	X	X	X	X

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PERSONAL DEVELOPER PRODUCTIVITY					
Introduced in XE2! Template Libraries	C D	X	X	X	X
Introduced in XE2! Deployment Manager: Deploy to OS X, 32-bit Windows and 64-bit Windows	CD	X	X	X	X
Introduced in XE2! Deployment Manager: Deploy to Amazon EC2 and Windows Azure	C D	X	X	X	X
Enhanced in XE2! A set of new examples and demos to help new and existing developers get the most out of the environment	C D	X	X	X	X
Introduced in XE! Object Gallery Descriptions pane that gives better understanding to the wizard or feature	C D	X	X	X	X
Introduced in XE! Designer snapshots – copy form images to the clipboard	C D	X	X	X	X
Enhanced in XE! IDE Insight, the fastest way to find and execute commands in the IDE with 1-button click now with object inspector property support	C D	X	X	X	X
Enhanced in XE! Code Formatter and beautification for source code including block formatting	C D	X	X	X	X
Introduced in XE! Command-line Code Formatter for integration with automated build processes	C D	X	X	X	X
Introduced in XE! Code Formatter profiles allow users to create / save / load custom formatter options sets	C D	X	X	X	X
Introduced in XE2! Audits and metrics for Delphi and Audits for C++	C D	X	X	X	X
New C++ 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.	C	X	X	X	X
Enhanced in XE! Search for Usages command now available from the code editor and Delphi Class Explorer context menus	D	X	X	X	X
Compilation can be done in a background thread	C D	X	X	X	X
Checkbox for Boolean types in the Object Inspector greatly enhancing readability	C D	X	X	X	X
Property Editors for Date properties now use Calendar controls	C D	X	X	X	X
Added capabilities and configuration to the File | Reopen project dialog	C D	X	X	X	X
Use Unit interaction capabilities increased	D	X	X	X	X
Enhanced in XE! 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.	D	X	X	X	X
Resource Manager greatly simplifies the addition of resources to projects	C D	X	X	X	X
Alpha channels in icons	C D	X	X	X	X
Enhanced in XE! Significant all-around IDE performance improvements	C D	X	X	X	X
Introduced in XE! Option to turn-on and off brace highlighting	C D	X	X	X	X
Enhanced in XE! 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.	C D	X	X	X	X
Enhanced in XE! Editor "Change Bar" indicates modified lines and saved modified lines	C D	X	X	X	X
"Smart" Block completion – anticipates and gracefully adds block closures as you type	C D	X	X	X	X
Virtual form positioner for VCL designers in "docked" mode	C D	X	X	X	X
Enhanced in XE! Main toolbar with the addition of Run without Debug option	C D	X	X	X	X
Enhanced in XE! Project Manager now has the ability to run selected applications with either Run or Run without Debug from the context menu.	C D	X	X	X	X
Enhanced in XE! Hot-key Tool Palette w/ Incremental search – find any component quickly	C D	X	X	X	X
Gallery in Tool Palette – find gallery wizards when you need them	C D	X	X	X	X
SyncEdit – block-edit multiple instances of a symbol simultaneously	C D	X	X	X	X

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History Manager with automatic multi-level file backups, file differencing and restore	C D	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	C D	X	X	X	X
Integrated QualityCentral – submit bug reports and feature requests to Embarcadero	C D	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	C D	X	X	X	X
Syntax Highlighting Open Tools API extension with built in support for JavaScript, PHP, and INI files	C D	X	X	X	X
Ability to individually customize editor options for particular file types	C D	X	X	X	X
Full-featured Open Tools API allows for customization of the IDE through wizards and experts.	C D	X	X	X	X
Symbol Insight – click to navigate to declarations and implementations	C D	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	C D	X	X	X	X
Code Insight – Code completion for DTD described markup language including HTML, WML, XHTML, and XSL	C D	X	X	X	X
Code Folding configuration and properties	C D	X	X	X	X
Editor Gutter – easier to read with less clutter	C D	X	X	X	X
Code Completion for C/C++, and Delphi	C D	X	X	X	X
Code Completion for HTML, XHTML, XSL, and CSS	C D	X	X	X	X
Class completion	D	X	X	X	X
Custom IDE desktop layout profiles with enhanced support for docked windows	C D	X	X	X	X
To-do lists keep your development on track	C D	X	X	X	X
Enhanced in XE! Crash recovery reporting, enables Embarcadero to understand complex IDE crashes to better serve our customers	C D	X	X	X	X
Help Insight – convenient tooltips provide help snippets as you develop	D	X	X	X	X
Open Tools API generic version control support for building third party version control plug-ins to the IDE	C D	X	X	X	X
Open Tools API access to code editor tabs exposed	C D	X	X	X	X
Open Tools API ability to create dockable views exposed	C D	X	X	X	X
Introduced in XE! Open Tools API ability to create and control Internal tabbing capability	C D	X	X	X	X
SOURCE CODE MANAGEMENT					
Introduced in XE! Version Insight – Integrated framework for supporting source code management tooling inside the IDE	C D	X	X	X	X
Introduced in XE! Subversion integration into the IDE	C D P	X	X	X	X
Introduced in XE! Subversion/History integration	C D P	X	X	X	X
Introduced in XE! A full default Diff viewer	C D P	X	X	X	X
Introduced in XE! Install Subversion client from the installer	C D	X	X	X	X
Introduced in XE! SCM Integration (Subversion) also available as an open source project	C D	X	X	X	X
INTERNATIONAL DEVELOPMENT					
Unicode-enabled development environment	C D	X	X	X	X
Enhanced in XE2! Unicode-enabled VCL and FireMonkey	C D	X	X	X	X
UnicodeString type	C D	X	X	X	X
Resource DLL Wizard to create Win32 resource DLLs for localization	C D	X	X	X	X
English, German, French, and Japanese translations available for IDE menus and dialogs, compiled units, resources, and source code	C D	X	X	X	X
Easy switching between languages for the IDE menus, dialogs, and more…	C D	X	X	X	X
Integrated Translation Environment (ITE) to view and edit VCL forms and resource strings	C D	X	X	X	X
External Translation Manager (ETM) to view and edit language resource files outside the IDE	C D	X	X	X	X

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Translation Repository provides a database for translations that can be shared across projects	C D	X	X	X	X
REFACTORINGS					
Enhanced in XE! Enhanced refactoring for generics support including rename, change parameter, and extract method	D	X	X	X	X
Rename refactoring	C D	X	X	X	X
Refactor driven "Find References"	D	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	D	X	X	X	X
Refactor driven "Find in Files"	D	X	X	X	X
UML MODELING					
Enhanced in XE2! UML Code Visualization – at any time, get a UML model view of your source code	C D	X	X	X	X
Enhanced in XE! Delphi code generation	D	X	X	X	X
Introduced in XE! Object Ancestry; show an object full hierarchy	D	X	X	X	X
Introduced in XE! Automatic Sequence diagrams generation support	D	X	X	X	
Introduced in XE! Ability to load an image into the diagram for annotations and advanced documentation	C D	X	X	X	X
Diagrams have an updated look and feel	C D	X	X	X	X
Sequence diagrams	C D	X	X	X	
Collaboration diagrams	C D	X	X	X	
State charts	C D	X	X	X	
Deployment diagrams	C D	X	X	X	
Use case diagrams	C D	X	X	X	
Activity diagrams	C D	X	X	X	
Component diagrams	C D	X	X	X	
Enhanced in XE! Documentation generation	C D	X	X	X	
Introduced in XE! Run Documentation generation from the command-line	D	X	X	X	
80+ Static Code Metrics that allow for deep understanding and analysis of the health of the object domain	D	X	X	X	
Enhanced in XE2! Kiviat graph enhancements for interactive reporting	D	X	X	X	
Introduced for Delphi Professional in 2010! 10+ introductory level static code Metrics for understanding the health of the object diagram	D				X
Introduced in XE! Run static Metrics from the command-line	D	X	X	X	
200+ Static Code Audits for deep code analysis to better understand the coding style and approach	D	X	X	X	
Introduced in XE2! Pointer Analysis for Audits	D	X	X	X	
Introduced for Delphi Professional in 2010! 10 introductory level static code audits for better code understanding	D				X
Introduced in XE! Run static Audits from the command-line	D	X	X	X	
Introduced in XE2! C++ audits	C	X	X	X	X
Introduced in XE2! Advanced C++ audits that include data analysis	C	X	X	X	
Import model from Rational® Rose (mdl import)	C D	X			
Language neutral UML 1.5 modeling	C D	X			
Language neutral UML 2.0 modeling	C D	X			
Transformation from language neutral UML 1.5 and UML 2.0 projects to source code projects	C D	X			
Design Patterns support, including GOF patterns	C D	X	X	X	
Diagram printing	C D	X	X	X	X
XMI 1.1 Import/Export	C D	X	X	X	
Full two-way class diagrams with synchronization between code and diagrams	C D	X	X	X	X
OCL 2.0 support	C D	X	X	X	X

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"UML in Color" profile	C D	X	X	X	X
Diagram hyper-linking and annotations	C D	X	X	X	X
INTEGRATED DEBUGGING					
Full-featured debugger with color syntax highlighting	C D	X	X	X	X
Enhanced in XE3! Debug remote and local 64-bit Windows applications	CD	X	X	X	X
Enhanced in XE3! Debug remote OS X applications	C D	X	X	X	X
Debugging visualizers to enable extended views of debugging data	C D	X	X	X	X
Build debugger visualizers for your own custom data types	C D	X	X	X	X
Debugger visualizer for C++ String types, including AnsiString/UnicodeString	C	X	X	X	X
Debug visualizer for TString types	D	X	X	X	X
Debug visualizers for TDateTime, TDate, and TTime	C D	X	X	X	X
Introduced in XE! Detach from "Debug session in progress. Terminate?" dialog	C D	X	X	X	X
Multi-threaded-debugging the ability to selectively "Freeze" and "Thaw" threads	C D	X	X	X	X
Multi-threaded-debugging the ability to set a breakpoint for a selected thread	C D	X	X	X	X
Support for Wait Chain Traversal in Windows 7, Vista and Windows 2008	C D	X	X	X	X
Disassembly pane has "Show Opcodes" and "Show Addresses" local menu items	C D	X	X	X	X
New Debugger Options: "Scroll new events into view" and "Ignore non-user breakpoints"	C D	X	X	X	X
Call Stack View shows a glyph indicating if the frame has debug info	C D	X	X	X	X
CPU view panes can be opened individually outside of an editor tab	C D	X	X	X	X
Integration between debugger views and panes making it easier to find and understand information	C D	X	X	X	X
Call Stack view now automatically syncs the Locals view when you double click an item	C D	X	X	X	X
Evaluator tooltip hints go transparent when the CTRL key is pressed, allowing you to see through them to the editor	C D	X	X	X	X
Expandable tooltip expression evaluation	C D	X	X	X	X
Expandable watches	C D	X	X	X	X
Expandable local variables view	C D	X	X	X	X
Selective symbol table loading	C D	X	X	X	X
Close implicitly opened files after debugging	C D	X	X	X	X
Multi-select and copy to clipboard support in CPU view	C D	X	X	X	X
Ctrl-Click in editor gutter to enable/disable breakpoints	C D	X	X	X	X
Sort by load order in Modules view	C D	X	X	X	X
Set Next Statement local menu item in editor	C D	X	X	X	X
Exception notification dialog: Break/Continue buttons, "Ignore exception type" checkbox	C D	X	X	X	X
Break into debugger when an assert fires	C	X	X	X	X
Modules View sorting	C D	X	X	X	X
Remote debugging	C D	X	X	X	X
Enhanced in XE! CodeGuard debugger support (32-bit only)	C	X	X	X	X
Thread view displays status on all processes and threads under debugger control	C D	X	X	X	X
CPU view for low-level debugging	C D	X	X	X	X
Evaluator	C D	X	X	X	X
Multi-Process debugging for easy tracing through complex applications	C D	X	X	X	X
Enhanced in XE! Breakpoint view with toolbar, in-place editing, and enable/disable checkbox	C D	X	X	X	X
Enhanced in XE! Watch view supporting in place editing, checkbox enable/disabling, and the watch names separated from the values with columns	C D	X	X	X	X
Multi-tab watch view for logically grouping variables	C D	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Breakpoint view with toolbar, in-place editing, and enable/disable checkbox	C D	X	X	X	X
Attach to and debug any process	C D	X	X	X	X
Detach from any process	C D	X	X	X	X
Run until return	C D	X	X	X	X
Advanced breakpoints with Tooltips, actions, and groups for complete debugging control	C D	X	X	X	X
Breakpoint Data Aware Triggers	C D	X	X	X	X
Debug spawned processes	C D	X	X	X	X
Debug Inspector for easily monitoring properties while debugging	C D	X	X	X	X
Event log view	C D	X	X	X	X
INTEGRATED UNIT TESTING					
Enhanced in XE! Integrated unit testing with the DUnit testing framework	C D	X	X	X	X
Unit test wizards for quick and easy unit test and unit test project creation	C D	X	X	X	X
Execute unit tests from project manager	C D	X	X	X	X
DOCUMENTATION					
Enhanced in XE3! Continually updated help system with diagrams showing class hierarchy, and new declared members pages	C D	X	X	X	X
Introduced in XE2! Help installer re-integrated in the main installer	C D	X	X	X	X
DATABASE APPLICATION DEVELOPMENT AND CONNECTIVITY					
DBEXPRESS					
Enhanced in XE2! dbExpress™ 4 database connectivity framework with connection pooling, tracing, and delegate drivers	C D	X	X	X	X
Enhanced in XE3! Included dbExpress drivers available for 64-bit Windows – InterBase local, MySQL local and SQLite local only	CD	X	X	X	X
Enhanced in XE3! Included dbExpress drivers available for 64-bit Windows – InterBase, Firebird, Oracle, MySQL, SQL Anywhere, Informix, and SQLite	CD	X	X	X	
Enhanced in XE3! Included dbExpress drivers available for OS X – InterBase local, MySQL local and SQLite local only	C D	X	X	X	X
Enhanced in XE3! Included dbExpress drivers available for OS X – InterBase, Firebird, Oracle, MySQL, SQL Anywhere, Informix, and SQLite	C D	X	X	X	
New in XE3! SQLite dbExpress client support for Windows and Mac OS X	C D	X	X	X	X
New in XE3! TSQLMonitor support for SQLite	C D	X	X	X	
New in XE3! Integrated support for sample InterBase database for quick app prototyping	C D	X	X	X	X
Enhanced in XE3! DataSnap Mobile Connector support for latest versions of iOS, Android and BlackBerry	C D	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	C D	X	X	X	X
Enhanced in XE3! dbExpress server connectivity to Embarcadero InterBase® XE3, XE, 2009, and 2007	C D	X	X	X	
New in XE3! InterBase ToGo dbExpress driver	C D H	X	X	X	X
New in XE3! InterBase ToGo 64-bit ODBC driver	C D P H	X	X	X	X
New in XE3! dbExpress server connectivity to SQLite 3.x	C D	X	X	X	
Enhanced in XE2! dbExpress Server connectivity to Firebird 2.5, 2.1 and 1.5	C D	X	X	X	
dbExpress server connectivity to Oracle® 11g and 10g	C D	X	X	X	
dbExpress server connectivity to Microsoft SQL Server® 2008, 2005, and 2000	C D	X	X	X	
dbExpress server connectivity to Informix® 9x (not Unicode-enabled)	C D	X	X	X	
dbExpress server connectivity to IBM DB2® 9.x (not Unicode-enabled)	C D	X	X	X	
Enhanced in XE2! dbExpress server connectivity to SQL Anywhere™ 12 and 11 (Unicode-enabled); and SQL Anywhere 9 (not Unicode-enabled)	C D	X	X	X	
dbExpress server connectivity to Sybase® 12.5 (not Unicode-enabled)	C D	X	X	X	
dbExpress server connectivity to MySQL 5.1 and 5.0 (Unicode enabled) and 4.1	C D	X	X	X	
Introduced in XE2! dbExpress ODBC Driver	C D	X	X	X	

Feature	Personality	Architect	Ultimate	Enterprise	Professional
dbExpress local connectivity to InterBase	C D	X	X	X	X
dbExpress local connectivity to MySQL	C D	X	X	X	X
New in XE3! dbExpress local connectivity to SQLite	C D	X	X	X	X
Data/Time related functions are now locale dependent	C D	X	X	X	X
TClientDataset for managing and manipulating datasets in-memory	C D	X	X	X	X
Enhanced in XE3! LiveBindings connect any type of data to any UI or graphical element in VCL and FireMonkey	C D	X	X	X	X
dbGO™ for ADO connectivity for Windows (MDAC 2.8)	C D	X	X	X	X
InterBase Express Components	C D	X	X	X	X
DATASNAP MULTI-TIER					
Enhanced in XE2! 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.	D	X	X	X	
Introduced for C++Builder XE! 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 C++Builder on the middle tier.	C	X	X	X	
Enhanced in XE2! Deploy DataSnap servers to Amazon EC2	C D	X	X	X	
Introduced in XE2! HTTPS support in stand-alone DataSnap Applications	C D	X	X	X	
Introduced in XE2! DataSnap server ability to terminate socket connection	C D	X	X	X	
Introduced in XE2! CommunicationTimeout for HTTP protocol	C D	X	X	X	
Introduced in XE2! JavaScript Minification with dispatching	C D	X	X	X	
Introduced in XE2! Heavyweight callbacks support broadcasting to specific callbacks	C D	X	X	X	
Introduced in XE2! RoleItem has Exclude list	C D	X	X	X	
Introduced in XE2! Callback channel events for servers and clients	C D	X	X	X	
Introduced in XE2! DataSnap REST server support for multiple Callback Tunnels	C D	X	X	X	
Introduced in XE2! Session Events for TCP/IP Protocol	C D	X	X	X	
Introduced in XE2! KeepAlive support for TCP transport component	C D	X	X	X	
Introduced in XE2! Object support in DataSnap sessions	C D	X	X	X	
Introduced in XE2! Monitor and control connections	C D	X	X	X	
Introduced in XE2! Allow changing of JSON result format in REST calls	C D	X	X	X	
Introduced in XE2! Allow query parameters in REST calls and store them	C D	X	X	X	
Introduced in XE2! Proxy information support for HTTP connections	C D	X	X	X	
Introduced in XE2! Identify client connection information (IP address and protocol, and application name for HTTP)	C D	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	C D	X	X	X	
Improved Session events for increased simplicity of a multi-tier implementation	C D	X	X	X	
Enhanced in XE2! DataSnap wizards from the Object Gallery to make server and client creation even easier	C D	X	X	X	
Introduced in XE2! DataSnap wizard source code enabling developers to build their own DataSnap server wizards	D	X	X	X	
Enhanced in XE! Added support for REST(ful) interface and exposure from the Server	C D	X	X	X	
Enhanced in XE2! Support for REST client proxy generation	C D	X	X	X	
Introduced in XE! DataSnap Server Proxy generation for Delphi, C++, JavaScript, and PHP	C D H	X	X	X	
Enhanced in XE! Added support for HTTP and HTTPS communication protocol beyond the local DataSnap (TCP/IP) approach	C D	X	X	X	
Enhanced in XE! Added HTTP tunneling support for client code outside the firewall	C D	X	X	X	
Enhanced in XE! Added Filter support for encryption and compression over-the-wire	C D	X	X	X	

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Introduced in XE! Included new encryption PC1 and compression filters now included for quick enablement.	C D	X	X	X	
Introduced in XE! Heavyweight callbacks for enhanced client/server communications and notifications	C D	X	X	X	
Enhanced in XE! Added support for publishing DataSnap server through the WebBroker approach	C D	X	X	X	
Added lightweight Callbacks	C D	X	X	X	
Royalty Free! MIDAS/DataSnap multi-tier deployment license	C D	X	X	X	
MIDAS/DataSnap multi-tier development license - no deployment	C D	X	X	X	
MIDAS.DLL source code included	C D	X	X	X	X
Introduced in XE2! ClientDataSet support for OS X	C D	X	X	X	X
Introduced in XE2! ClientDataSet support for 64-bit Windows	C D	X	X	X	X
New in XE3! MyBase XML in memory dataset support	C D	X	X	X	X
DATASNAP DESKTOP CLIENT CONNECTORS					
Windows 32-bit	C D	X	X	X	
Enhanced in XE3! Windows 64-bit	CD	X	X	X	
Introduced in XE2! Mac OS X	C D	X	X	X	
DATASNAP WEB CLIENT CONNECTORS					
Introduced in XE! Simple REST / JavaScript	C D H	X	X	X	
Introduced in XE! PHP	H	X	X	X	
DATASNAP MOBILE CLIENT CONNECTORS					
Enhanced in XE3! Apple iOS (iPhone, iPad, iPod Touch) 5.1 and 6.0	C D	X	X	X	
Introduced in XE2! RIM BlackBerry	C D	X	X	X	
Introduced in XE2! Windows Phone 7	C D	X	X	X	
Enhanced in XE3! Android Gingerbread, Ice Cream Sandwich, and JellyBean	C D	X	X	X	
DATABASE TOOLS					
Enhanced in XE! Data Explorer optimized to add and manage database connections and browse database schema	C D	X	X	X	X
Drag and Drop from the dbExpress node in the Data Explorer into VCL Forms to speed development	C D	X	X	X	X
SQL console views for running queries and viewing results on any dbExpress 4 supported database	C D	X	X	X	X
Navigate to Delphi and C++Builder code-based stored procedures from Data Explorer	C D	X	X	X	X
Visual query builder	C D	X	X	X	X
INCLUDED DATABASES					
New in XE3! InterBase XE3 Developer Edition – up to 20 users and 80 logical connections	C D P H	X	X	X	X
New in XE3! InterBase ToGo Test Deployment License	C D	X	X	X	X
Borland Database Engine (32-bit) for dBASE and Paradox	C D	X	X	X	X
CLOUD SUPPORT					
Introduced in XE! Ability to connect to Windows Azure	C D	X	X	X	X
Introduced in XE! Ability to manipulate Windows Azure blobs, queues, and tables	C D	X	X	X	X
Introduced in XE2! MetaData support for TAzureQueueManagement	C D	X	X	X	X
Introduced in XE2! ContinuationToken support for Azure Table	C D	X	X	X	X
Introduced in XE2! Amazon Simple Storage Service API	C D	X	X	X	X
Introduced in XE2! Amazon Queue Service API	C D	X	X	X	X
Introduced in XE2! Amazon SimpleDB API	C D	X	X	X	X
Enhanced in XE2! Deploy to Amazon EC2	C D	X	X	X	X
Introduced in XE2! Deploy to Windows Azure	C D	X	X	X	X
PROFILING with AQtime 7 Standard					
Introduced in XE! AQtime 7 Standard for RAD Studio integrated plugin	C D	X	X	X	X
Introduced in XE! Support for 32 bit C++ and Delphi applications	C D	X	X	X	X

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Introduced in XE! Performance and function timing profiling	C D	X	X	X	X
Introduced in XE! Parent / child contribution analysis	C D	X	X	X	X
Introduced in XE! Analysis of memory and resource allocation and leaks	C D	X	X	X	X
Introduced in XE! Code coverage	C D	X	X	X	X
Introduced in XE! Exception tracing	C D	X	X	X	X
Introduced in XE! Selective profiling using profiling areas	C D	X	X	X	X
FILE COMPARE with Beyond Compare Text Compare					
Introduced in XE! Beyond Compare Text Compare integration	C D	X	X	X	X
Introduced in XE! Compare and edit the contents of files with syntax highlighting	C D	X	X	X	X
Introduced in XE! Ignore changes in whitespace and comments	C D	X	X	X	X
Introduced in XE! Print reports of differences or save them as HTML or plain	C D	X	X	X	X
Introduced in XE! Filter display to only show differences, optionally with a few lines of context	C D	X	X	X	X
Introduced in XE! Built-in support for Delphi, C++, HTML, DFMs, and more	C D	X	X	X	X
Introduced in XE! 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	C D	X	X	X	X
Introduced in XE! Automatically configured for both differences and merges from the History view	C D	X	X	X	X
LOGGING with CodeSite Express					
Enhanced in XE2! Raize Software CodeSite Express Integration provides advanced application logging and debugging capabilities	C D	X	X	X	X
Introduced in XE! Log all kinds of information without data conversions including strings, numbers, dates & times and even objects, string lists, exceptions, and much more	C D	X	X	X	X
Introduced in XE! Log information from application code (including recursive functions and multiple threads) without interrupting program execution or causing side effects	C D	X	X	X	X
Introduced in XE! Emphasize important logging information through a variety of message types	C D	X	X	X	X
Introduced in XE! 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	C D	X	X	X	X
Introduced in XE! Utilize the extensive analysis tools in the CodeSite Viewers to analyze message logs and locate problem areas faster	C D	X	X	X	X
Introduced in XE! Filter message logs by application name, process id, thread name, computer name, category, and message text	C D	X	X	X	X
Introduced in XE! Quickly organize the message log into multiple views by using the advanced CodeSite Message Organizer	C D	X	X	X	X
Introduced in XE! Control the amount of logging information generated by using additional CodeSite loggers with their own Category instead of relying on arbitrary logging levels	C D	X	X	X	X
Introduced in XE! Record method calls to add call stack structure to the message log	C D	X	X	X	X
IP*Works! COMMUNICATION COMPONENTS					
Enhanced in XE2! 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.	C D	X	X	X	X
Introduced in XE! 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	C D	X	X	X	X
Components are easy to use, with a uniform, intuitive, and extensible design	C D	X	X	X	X
Components share common interfaces across platforms and technologies	C D	X	X	X	X
Components are fast, robust, and reliable with minimal resource consumption	C D	X	X	X	X
Components are lightweight and have no dependencies on external libraries	C D	X	X	X	X

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Detailed reference documentation, hundreds of sample applications, fully-indexed helps files, and an extensive online knowledge base	C D	X	X	X	X
TeeChart CHARTING COMPONENTS					
Enhanced in XE2! TeeChart Standard – reporting and graphing component set	C D	X	X	X	X
FastReport REPORTING SOLUTIONS					
Introduced in XE2! FastReport VCL 4 RAD Edition reporting tool	C D	X	X	X	X
Introduced in XE2! Exports to popular formats (PDF, RTF, HTML, BMP, JPEG, TIFF, GIF, TxT, CSV)	C D	X	X	X	X
Introduced in XE2! Grouping with drill-downs	C D	X	X	X	X
Introduced in XE2! Caching of the big reports(uses less memory)	C D	X	X	X	X
Introduced in XE2! Six levels in master-detail-subdetail relation	C D	X	X	X	X
DOCUMENTATION TOOLS					
Introduced in XE2! Documentation Insight – a Delphi XML documentation tool	D	X	X	X	X
ADDITIONAL COMPONENTS AND TOOLS					
Enhanced in XE! glyFX Icon Library – Embarcadero Edition	C D	X	X	X	X
Enhanced in XE! Support for SOAP 1.2 clients	C D	X	X	X	X
BIZSNAP WEBSERVICES™					
WSDL External Schema support	C D	X	X	X	X
BizSnap™ XML Transformation Tools and Components to easily build data exchanges between XML and datasets	C D	X	X	X	
BizSnap native Delphi XML bindings to simplify XML programming – access XML documents as Delphi objects	D	X	X	X	
Enhanced in XE2! Easily create Win32, Win64 and XML/SOAP Web Services	D	X	X	X	X
Enhanced in XE2! Easily create Win32 and XML/SOAP Web Services	C	X	X	X	X
SOAP runtime support for optional and unbounded elements	C D	X	X	X	X
SOAP features updated to support Amazon, eBay, MapPoint, and more	C D	X	X	X	X
Build server-side XML Web Services	C D	X	X	X	X
Build client-side XML Web Services	C D	X	X	X	X
WEB APPLICATION DEVELOPMENT					
INTRAWEB					
Enhanced in XE3! IntraWeb XIV – RAD Web Application framework, Personal Edition	C D				X
Enhanced in XE3! IntraWeb XIV – RAD Web Application framework, Standard Edition	C D	X	X	X	
Introduced in XE! Integrated Page Mode	C D	X	X	X	X
Introduced in XE! RSS Feeds	C D	X	X	X	X
Introduced in XE! Static content	C D	X	X	X	X
Introduced in XE! URL Mapping	C D	X	X	X	X
Enhanced in XE! Standalone deployment	C D	X	X	X	X
Enhanced in XE! Windows Service Deployment	C D	X	X	X	
Concurrent session limit	C D				X
Unlimited concurrent session limit	C D	X	X	X	
Application Mode	C D	X	X	X	X
Enhanced in XE! Code based Authentication	C D	X	X	X	X
Introduced in XE! Session time out limit of 20 minutes	C D	X	X	X	X
INTERNET DIRECT (INDY)					
Enhanced in XE! 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	C D	X	X	X	X
Introduced in XE2! INDY component libraries for Win64	C D	X	X	X	X
Introduced in XE2! INDY component libraries for OS X	C D	X	X	X	X

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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.	D	X	X	X	X
Enhanced in XE3! ActiveX for Win 64	CD	X	X	X	X
Wizards support wrapping existing VCL components as ActiveX controls	D	X	X	X	X
Import .NET assemblies as COM objects in Win32 VCL applications	C D	X	X	X	X
DCOM support	C D	X	X	X	X
Legacy support for DataSnap/MIDAS COM/DCOM based multi-tier database application framework	C D	X	X	X	
Advanced Type Library Editor now manages IDL, making COM development completely transparent.	C D	X	X	X	X
History Manager supports IDL, with automatic multi-level file backups, file differencing and restore	C D	X	X	X	X
Support for Automation Object event handling	C D	X	X	X	X
COM Object Wizard	C D	X	X	X	X
Microsoft ActiveX® Control Data binding	C D	X	X	X	X
Import COM servers as components to develop visually	C D	X	X	X	X
Introduced in XE! Removal of the dependency of the ATL libraries for C++Builder ActiveX support	C	X	X	X	X
VISUAL COMPONENT LIBRARY (VCL)					
Enhanced in XE3! VCL support for Win64	CD	X	X	X	X
New in XE3! VCL Metropolis Project Templates (blank, grid, split layout)	C D	X	X	X	X
New in XE3! 4 VCL Metropolis styles for XP,Vista, Windows 7, Windows 8	C D	X	X	X	X
New in XE3! VCL style support for Ribbon controls	C D	X	X	X	X
New in XE3! Easy one-click Metropolis VCL form converter	C D	X	X	X	X
VCL Form Designer to visually build native Windows applications	C D	X	X	X	X
VCL source code to extend and debug components	C D	X	X	X	X
Introduced in XE2! VCL Styles: Create VCL applications with enhanced GUI	C D	X	X	X	X
Introduced in XE2! Professional looking custom styles such as the Graphite series for VCL	C D	X	X	X	X
Introduced in XE2! Create your own custom styles with the VCL Style Designer	C D	X	X	X	X
Integrated gesturing framework with multi-OS support for Windows 8, 7, Vista, and XP	C D	X	X	X	X
Gesture Designer enables full control of all gesture design and interaction	C D	X	X	X	X
Gesture components (TGestureListView, TGesturePreview, TGestureRecorder) to build gesture creation and management into VCL based applications	C D	X	X	X	X
Interactive multi-touch gestures for panning, zooming, and rotating (requires multi-touch enabled OS)	C D	X	X	X	X
TTouchKeyboard a virtual keyboard for enhanced non-keyboard interface interactions that support multiple locales and languages	C D	X	X	X	X
Ability to easily change languages and all TWinControls respond to the change	C D	X	X	X	X
Ribbon Controls components for creating Microsoft Office style ribbon interfaces including ribbon, ribbon application menu bar, combobox, toolbar and tips	C D	X	X	X	X
New VCL Components: TCategoryPanelGroup, TButtonedEdit, TLinkLabel, TBalloonHint	C D	X	X	X	X
Enhancements to existing controls: TButton, TEdit, TProgressBar, TListView, TTreeView, TRichEdit, TImageList	C D	X	X	X	X
Theming support for TGrid descendants	C D	X	X	X	X
Full support for PNG image format in TImage and TImageList	C D	X	X	X	X
Icons can be assigned to Bitmaps	C D	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.	C D	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
TImageList now supports all graphics formats contained in TImage	C D	X	X	X	X
Import Component wizard to import a type library, ActiveX control or .NET Assembly	C D	X	X	X	X
New Component wizard to create the unit for a new component	C D	X	X	X	X
Object-oriented, fully extensible and reusable component and application architecture	C D	X	X	X	X
Visual Form Inheritance and Form linking to reduce coding and simplify maintenance	C D	X	X	X	X
Frames for building and reusing compound components	C D	X	X	X	X
Object Repository for storing and reusing forms, Data Modules, and experts	C D	X	X	X	X
Object Inspector to set component properties and events	C D	X	X	X	X
Windows Vista look and feel including Windows Aero glassing effects	C D	X	X	X	X
Support for Windows theming of applications	C D	X	X	X	X
Standard components including frame, edit, menu, button, label, checkbox, list box, combo box, panel and action list	C D	X	X	X	X
Additional components including graphical buttons, image, shape, scroll box, splitter, buttoned edit, tabs, panels, action toolbar, and color map	C D	X	X	X	X
Win32 components including page control, image list, rich edit, progress bar, date time, calendar, toolbar, tree view and list view	C D	X	X	X	X
System components including timer, paint box, media player, OLE container and DDE	C D	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	C D	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	C D	X	X	X	X
Data Access Controls - datasource	C D	X	X	X	X
Data Access Controls including client dataset, dataset provider and XML transform	C D	X	X	X	X
Data Controls including dbgrid, navigator, text, edit, memo, image, listbox, combo box, checkbox, radiogroup, lookup and rich edit	C D	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	C D	X	X	X	X
Internet components including web browser, dispatcher, page producer, dataset, query, page, table, TCP client and server and XML document	C D	X	X	X	X
Vista Dialog components including file open, file save and task	C D	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	C D	X	X	X	
Enhanced in XE! DataSnap Server components including TDSTCPServerTransport, TDSProxyGenerator, TDSServerMetaDataProvider, TDSConnectionMetaDataProvider, TDSRestConnection, TDSRestMetaDataProvider, TDSHTTPWebDispatcher, TDSServer, TDSServerClass, TDSHTTPService, TDSAuthenticationManager, TDSClientCallbackChannelManager, and TDSHTTPServiceFileDispatcher	C D	X	X	X	
Introduced in XE! Windows Azure components including AzureConnectionString, AzureBlobManagement, AzureQueueManagment, and AzureTableManagment	C D	X	X	X	X
Sample components including gauge, color grid, spin button, spin edit, directory outline and calendar	C D	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	C D	X	X	X	X
WebSnap components including adapters, values lists, dispatchers, file service, sessions service, web user list and page producers	C D	X	X	X	X
Web Services components including HTTP, SOAP, and WSDL	C D	X	X	X	X
dbGo components including ADO connection, command, dataset, table, query and stored procedure	C D	X	X	X	X
Enhanced in XE2! IntraWeb components including Silverlight, Standard, Control, Standard 3.2, WAP, Data, Client Side, Data 3.2, Data WAP	C D	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Enhanced in XE2! TeeChart Standard components including chart, DBchart, dataset, buttons, draw, combo and image	C D	X	X	X	X
Enhanced in XE2! InterBase Express (IBX) components	C D	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	C D		X		
Rapid SQL to write high quality SQL code faster	C D		X		
DB Optimizer to visually tune SQL	C D		X		
DB Change Manager to simplify database change management	C D		X		
DATABASE MODELING AND DESIGN					
Updated in XE3! Embarcadero® ER/Studio® 9.1 Developer Edition, a database modeling and design tool for better understanding database structures	C D P	X			
Highly productive model-driven database design environment – advanced graphics, multilevel design capabilities, automated and custom transformation, denormalization mapping, extensible automation and undo/redo	C D P	X			
Database lifecycle support – forward engineering, reverse engineering to construct a model from an existing database or schema, and database modification	C D P	X			
Enterprise model management – advanced compare and merge, submodel management, "where used" analysis and XML schema generation	C D P	X			
Data warehouse and integration support – data lineage and dimensional modeling	C D P	X			
Quality database design - model completion validation, automatic migration of foreign keys and capacity planning	C D P	X			
Security design and assessment – including data classification and permission management	C D P	X			
Database modeling and design for Oracle, Microsoft SQL Server, DB2 LUW, InterBase, MySQL, Informix, Sybase ASE, SQL Anywhere, ODBC, and ANSI SQL	C D P	X			
Visual Data Lineage – Visually analyze and document how data flows through your organization without needing to inspect code	C D P	X			
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	C D P	X			
Object-level Compare Flags – Indicate international discrepancies when comparing models that the Compare Wizard should ignore.	C D P	X			
Produce reports in HTML format	C D P	X			
LICENSING AND TOOL MANAGEABILITY					
No fees or limitations on deployment of applications built with Delphi or C++Builder	C D	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 or C++Builder is greater than $1,000 US, you must purchase a Pro, Ent, or Arch edition License	C D				
Licensing suitable for larger teams with no restriction on number of licenses you can purchase or use	C D	X	X	X	X
Starter edition limited to 5 simultaneous users within a network	C D				
Enhanced in XE2! AppWave network named or concurrent licenses available	C D P H	X	X	X	X
Enhanced in XE3! Earlier version licenses included in AppWave network licenses (Delphi 2007- XE2, C++Builder 2007- XE2, RadPHP XE2). Delphi 7 and C++Builder 6 available separately	C D H	X	X	X	X
Enhanced in XE3! Access to licenses and downloads for earlier versions with purchase of standalone product licenses (Delphi 2007 - XE2, Delphi 7, C++Builder 2007- XE2, C++Builder 6, RadPHP XE2)	C D H	X	X	X	X
Enhanced in XE! Upgradeable to Embarcadero All-Access XE	C D H	X	X	X	X
.NET APPLICATION DEVELOPMENT					
EMBARCADERO PRISM					
New in XE3! Embarcadero Prism hosted in Visual Studio 2012	P	X	X	X	X
Enhanced in XE2! .NET and ASP.NET development environment	P	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Enhanced in XE3! RemObjects Oxygene Compiler 5.2	P	X	X	X	X
Introduced in XE2! Inline errors in editor with details, ranges & notes	P	X	X	X	X
Introduced in XE2! Fix-It support for selected new errors	P	X	X	X	X
Introduced in XE2! Language soft interfaces and duck typing	P	X	X	X	X
Introduced in XE2! Anonymous interface implementation	P	X	X	X	X
Introduced in XE2! Enhanced Oxidizer integration	P	X	X	X	X
Enhanced in XE! Support for Aspect Oriented Programming (AOP)	P	X	X	X	X
Enhanced in XE! Continuing improvement of Delphi/Win32 language support	P	X	X	X	X
Standard Aspects Library	P	X	X	X	X
Dynamic Types in .NET 4.0	P	X	X	X	X
Support for Lambda Expressions	P	X	X	X	X
Delphi Compatibility: Ignore unsupported method directives (such as override) when in compatibility mode	P	X	X	X	X
New compiler option for Delphi-compatible division (int/int = float)	P	X	X	X	X
Parallel programming support for Futures, Parallel Loops, Asynchronous Statements, an improved locked directive, and more	P	X	X	X	X
LINQ query expressions to combine the querying capabilities of database languages such as SQL and apply it to any type of data, natively within the Oxygene language	P	X	X	X	X
Introduced in XE! Expression constructs: "if", "case" and "for"	P	X	X	X	X
Introduced in XE! BigInteger support	P	X	X	X	X
Introduced in XE! Readonly local variables	P	X	X	X	X
Introduced in XE! Extension Methods syntax implementation	P	X	X	X	X
Introduced in XE! Introductory support for Tuples	P	X	X	X	X
Introduced in XE! Support for classic "begin/end" assembly entry point	P	X	X	X	X
Property notifications make it easy to develop solutions that follow the Model/View/Controller design pattern	P	X	X	X	X
Nullable expressions with support for nullable types in arithmetic and other expressions	P	X	X	X	X
QA Analysis Tools to provide feedback on quality of code, including Code Flow Analysis and FxCop Code Analysis options integrated with the compiler, and the option to enforce proper case when using identifiers	P	X	X	X	X
Additional language features include: class contracts, Anonymous types, Anonymous methods and delegates, Lambda expressions, Generics, Iterators, Extension Methods, inline variable declaration, and Asynchronous methods	P	X	X	X	X
Enhanced in XE! Support for Parallel programming with .NET 4.0	P	X	X	X	X
PRISM MULTIPLE PLATFORM TARGETS					
Enhanced in XE3! Target .NET 1.1, 2.0, 3.0, 3.5, 4.0 and 4.5	P	X	X	X	X
.NET Compact Framework 1.0 and 2 (No designer support)	P	X	X	X	X
Mono, including Linux and Mac OS X	P	X	X	X	X
Code-level support for Cocoa#, and Gtk#,	P	X	X	X	X
Installs as a standalone application including Visual Studio 2012 Shell	P	X	X	X	X
Installs into existing install of Visual Studio 2010 or 2012	P	X	X	X	X
Enhanced in XE2! Copy C#, paste as Oxygene code	P	X	X	X	X
Introduced in XE! Import C# IDE menu option	P	X	X	X	X
PRISM PROJECT TYPES					
Windows Application (WinForms)	P	X	X	X	X
Windows Control Library	P	X	X	X	X
Windows Service	P	X	X	X	X
Class Library	P	X	X	X	X
Console Application	P	X	X	X	X
ASP.NET Web Application	P	X	X	X	X
WCF Service Library	P	X	X	X	X
WPF Application for creating an application with a WPF user interface	P	X	X	X	X
WPF User Control Library for creating custom controls for use in WPF applications	P	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Mono Console Application for building a Mono command-line application	P	X	X	X	X
Cocoa# Application (Tiger) for building an application for Mac OS X 10.4 or later, using Cocoa#	P	X	X	X	X
Mono Class Library	P	X	X	X	X
Cocoa # Application (Leopard) for building an application for Mac OS X 10.5 or later, using Cocoa#	P	X	X	X	X
Silverlight Application (requires Visual Studio)	P	X	X	X	X
Silverlight Class Library (requires Visual Studio)	P	X	X	X	X
WinForms Application (Mac OS X)	P	X	X	X	X
Gtk# Application	P	X	X	X	X
INTEGRATED TOOLS AND COMPONENTS					
Enhanced in XE! RemObjects Internet Pack is included and adds a set of both client and server socket components for HTTP, FTP, SMTP and POP3	P	X	X	X	X
Introduced in XE! Code obfuscation with RemObjects Oxfuscator	P	X	X	X	X
WEB AND MOBILE APPLICATION DEVELOPMENT					
HTML5 Builder					
INTEGRATED DEVELOPMENT ENVIRONMENT (IDE)					
New in XE3! Workflow optimized, context-sensitive user interface focused on improving user productivity	H	X	X	X	X
New in XE3! Client Deployment wizard for deploying client web applications	H	X	X	X	X
New in XE3! Multiple new project and file types have been added	H	X	X	X	X
New in XE3! Client Web Application and Client Page. Develop web applications with client-side technologies that you can run without a webserver.	H	X	X	X	X
New in XE3! Client Mobile Application and Client Mobile Page. Develop mobile applications with client-side technologies that you can run without a webserver.	H	X	X	X	X
New in XE3! Mobile Themes. Create themes for your mobile applications easily with HTML5 Builder's visual designer.	H	X	X	X	X
Enhanced in XE3! Project Manager to display and organize the contents of your current project with support for content preview and search.	H	X	X	X	X
Introduced in XE! Project Manager view menu for directory (nested), directory (flat) and list view of files in a project.	H	X	X	X	X
Enhanced in XE3! Project Options to allow you select which parameters to send to the running script and other extra optionsvia the Run/Debug drop-down menus.	H	X	X	X	X
Enhanced in XE! File manipulation and creation through the Project Manager facilities.	H	X	X	X	X
Introduced in XE! Multi-select files in the Project Manager	H	X	X	X	X
Enhanced in XE3! IDE Insight always accessible via integrated top level search bar	H	X	X	X	X
Introduced in XE! Checkbox for Boolean types in the Object Inspector greatly enhancing readability	H	X	X	X	X
Enhanced in XE3! Web-oriented color property editor to use standard browser colors or custom ones with support for RGBA for specifying transparency	H	X	X	X	X
Introduced in XE! Improved search features in the editor and with Find tab integration	H	X	X	X	X
Introduced in XE! Added capabilities and configuration to the File	Reopen menu	H	X	X	X	X
Enhanced in XE! Use Unit interaction capabilities increased	H	X	X	X	X
Introduced in XE! Multi-instance loading so you can have several IDEs open at the same time	H	X	X	X	X
Introduced in XE! Super fast loading, so you can use it as code editor	H	X	X	X	X
Enhanced in XE! Significant all-around IDE performance improvements	H	X	X	X	X
Introduced in XE! History Manager with automatic multi-level file backups, file differencing and restore	H	X	X	X	X
Enhanced in XE! IDE Welcome Page – with fast access to recent projects, Embarcadero Developer Network RSS news feeds, documentation, helpful links, updates, Weblogs, and more	H	X	X	X	X
Enhanced in XE! Ability to individually customize editor options for particular file types	H	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Enhanced in XE! Symbol Insight – click to navigate to declarations	H	X	X	X	X
Enhanced in XE! Tool Palette for easy access RPCL (RadPHP Component Library) components	H	X	X	X	X
Enhanced in XE! Tool Palette incremental filtering automatically narrows down component list to find what you need as you type	H	X	X	X	X
Introduced in XE! Context-aware Tool Palette, it shows only the appropriate items depending on what you are editing	H	X	X	X	X
Enhanced in XE! Structure Pane to see and navigate the hierarchy of source code, HTML or components displayed in the editor or designer	H	X	X	X	X
Enhanced in XE! Object Inspector for visual customization of PHP and AJAX components without writing code; now features subproperties and faster performance	H	X	X	X	X
Introduced in XE! New File Dialog to allow you select the extension of the file to create	H	X	X	X	X
Add Folder to Project menu option allows you to add several source files to your project in a single action	H	X	X	X	X
Set your default browser and multiple browsers to appear as options under the Run menu	H	X	X	X	X
Deployment Wizard helps you isolate the files necessary for your application to run and copies those files to a folder on your computer to make it easy to upload applications to a web server	H	X	X	X	X
Introduced in XE! Documentation Wizard, uses phpdoc to generate the documentation for your product	H	X	X	X	X
Enhanced in XE! Find in Files to specify the text you want to locate and to set options that affect the search such as directories, file, case and file extension masks	H	X	X	X	X
Internationalization Wizard using gettext() simplifies localization of applications	H	X	X	X	X
Enhanced in XE! Integrated web server for easy running applications directly from the IDE	H	X	X	X	X
Enhanced in XE! Event log displays error messages from the PHP rendering engine and syntax checker	H	X	X	X	X
MOBILE DEVELOPMENT					
Enhanced in XE3! Easily build web optimized mobile applications and App Store ready apps for iOS, Android, BlackBerry, Windows Phone, Symbian and WebOS	H	X	X	X	X
Large library of built-in drag and drop components for mobile application development	H	X	X	X	X
Introduced in XE2! jQuery mobile components: MButton, MPanel, CheckBoxGroup, MRadioGroup, MobileTheme, MEdit, MTextArea, MSlider, MLink, MCollapsible,MToolBar, MToggle, MRadioButton, MCheckBox, MComboBox, MCollapisbleSet, MList, MAccelerometer, MCamera, MCompass, MGeolocation, MNetwork, MContacts, PageEvents, MPageExtraEvents, MDB, MDBTransaction, MFileReader, MFileWriter,MFileEntry, MDirectoryEntry, MDirectoryReader, MFileSystem, MFileTransfer, MCapture, MNotification, MConnection,MDevice	H	X	X	X	X
New in XE3! Additional jQuery Mobile components for use in your mobile applications, including MCanvas, MImage, MLabel, MMap, MMedia, MShape.	H	X	X	X	X
New in XE3! Build your mobile applications in the cloud using the integrated PhoneGap Build service.	H	X	X	X	X
Introduced in XE2! Visual mobile design surface to see how the interface will look on the device	H	X	X	X	X
HTML5 Builder COMPONENT LIBRARY (RPCL)					
New in XE3! RPCL components generate validated HTML5 code	H	X	X	X	X
Enhanced in XE3! Components have been updated to provide separation of HTML, CSS and JavaScript	H	X	X	X	X
New in XE3! Improve your pages' tab navigation with the new ActiveControl property that defines which control gets the focus when the page is loaded.	H	X	X	X	X
New in XE3! CSS3, the third version of the standard stylesheet language, is supported in HTML5 Builder, so you can now get access to advanced style properties on every control	H	X	X	X	X
New in XE3! Get rounded corners with BorderRadius. This new property groups all border-related properties,	H	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
New in XE3! BoxShadow and TextShadow provide you with shadowing effects for containers and content.	H	X	X	X	X
New in XE3! Use gradients to generate the color combinations you need without relying on image files.	H	X	X	X	X
New in XE3! Select an InputType for your Edit and MEdit components, for easy client-side validation.	H	X	X	X	X
New in XE3! Use the Canvas component to easily draw 2D and 3D interactive images.	H	X	X	X	X
New in XE3! Get and use location data in your web and mobile apps with the Geolocation component.	H	X	X	X	X
New in XE3! Play audio and video content using the HTML5 Media component	H	X	X	X	X
New in XE3! Existing controls were updated to leverage HTML5: Bevel, ColorPicker, DateTimePicker, ProgressBar, Shape, TrackBar, SpinEdit	H	X	X	X	X
New in XE3! Additional properties have been added to existing controls for enhanced functionality	H	X	X	X	X
New in XE3! Use controls' draggable property to enable drag and drop implementations.	H	X	X	X	X
New in XE3! CSS3 Animations through custom property editors	H	X	X	X	X
New in XE3! Quickly transform and animation components	H	X	X	X	X
New in XE3! Associate custom animations to your controls' events using their Animations property.	H	X	X	X	X
New in XE3! Create a DataList component and link it to a text-input component so the data is provided as an input suggestion.	H	X	X	X	X
New in XE3! SVG Image Support. The Image component supports now vector graphics in SVG, that you can animate and modify in real time using JavaScript.	H	X	X	X	X
New in XE3! Enhanced Color support. Color-based properties now support RGBA values. The fourth color channel, alpha, lets you define a level of transparency for your colors.	H	X	X	X	X
New in XE3! HiddenFields is now a property of web and mobile pages, providing an easier and cleaner new approach.	H	X	X	X	X
Enhanced in XE! Advanced components including ImageList, TrackBar, ProgressBar, SpinEdit, DateTimePicker, ColorPicker	H	X	X	X	X
Enhanced in XE! System components including Timer, BasicAuthentication and StyleSheet	H	X	X	X	X
Enhanced in XE3! Data Access components including Database, Datasource, Table, Query and StoredProc with support for many databases through PDO	H	X	X	X	X
Enhanced in XE! Data Controls components including DBRepeater	H	X	X	X	X
Enhanced in XE2! Zend Framework components ZACL, ZAuth, ZAuthDB, ZAuthDigest, ZCache, ZMail, ZMailTransportSMTP, ZMailTransportSMTP, ZmailTransportSendmail, ZCaptcha, ZBarcode, ZCurrency, ZDate, ZFile, ZFeedReader, ZFeedWriter, ZPubSubHubBubPublisher, ZGDataAuth, ZGDataCalendar, ZGDataDocs, ZGDataYoutube, ZGDataYoutube, ZGDataHealth, ZGDataSpreadsheets, ZGDataPhotos, ZGDataBooks, ZGDataApps, ZOAuth, ZRegistry, ZJson, ZHttp, ZJsonServer, ZRestServer, ZRestClient, ZOpenIdConsumer, ZOpenIdConsumerStorageDB, ZOpenConsumerStorageFile, ZOpenIdProvider, ZOpenIdProviderStorageDB, ZOpenIdProviderStorageFile, ZOpenIdProviderUserSession, ZMarkup and Zlog	H	X	X	X	X
Introduced in XE! Facebook Social Plugins components to allow visual development of social-aspects of Facebook applications including LikeButton, LikeBox, ActivityFeed, and LiveStream	H	X	X	X	X
Introduced in XE! Support for communication components for native Delphi and C++Builder DataSnap applications including DSJavaScriptClient and DSRestConnection	H	X	X	X	X
Introduced in XE! Support for communication components for native Delphi and C++Builder DataSnap applications including DSJavaScriptClient and DSRestConnection	H	X	X	X	X
Extend the RPCL (RadPHP Component Library) at any time with third-party libraries, new additions from the RPCL open source project on SourceForge or your own components	H	X	X	X	X
Component Writer's Guide with information on building your own components	H	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
CODE EDITOR					
Enhanced in XE3! Customizable source code editor for editing PHP, HTML, JavaScript, CSS, SQL and XML	H	X	X	X	X
User configurable Color Syntax Highlighting	H	X	X	X	X
New in XE3! Code Insight support for HTML, JavaScript and jQuery, in addition to PHP	H	X	X	X	X
Enhanced in XE! Help Insight – convenient tooltips provide help snippets as you develop	H	X	X	X	X
Enhanced in XE! ErrorInsight provides syntax checking as you type so you can easily fix syntax errors on the fly	H	X	X	X	X
Code Folding to collapse code blocks for easier viewing and navigation of your PHP code	H	X	X	X	X
Sync Edit to modify common identifiers in different locations in your code at the same time	H	X	X	X	X
Tracking band visually indicates which lines you have modified/added and which ones were modified on the last save operation	H	X	X	X	X
Macro recording and playback to record a specific set of actions in the code editor and repeat them later	H	X	X	X	X
Bookmarks allow you to set a mark on a specific location of your source code and return back later	H	X	X	X	X
Code Editor customization options include overwrite mode, group undo, scroll to past line, double click line, undo after save, persistent blocks and overwrite blocks, selecting keymappings and setting undo limit	H	X	X	X	X
Configurable Source Options include auto indent mode, use tab character, smart tab cursor through tab, optimal fill, backspace unindents, keep trailing blanks, show tab character, show space character, use syntax highlight, show line breaks, highlight current line, selectable syntax highlighting, block indent level and tab stops	H	X	X	X	X
Editor display options include visible right margin, visible gutter, show line numbers number all lines, setting right margin, gutter width, editor font, font size	H	X	X	X	X
Keymappings include default, BRIEF, IDE classic, Visual Basic emulation, Visual Studio emulation	H	X	X	X	X
Enhanced in XE! CodeInsight options turn on and off code completion, code parameters, error insight, code completion auto parenthesis, code template completion and code browser and enable speed adjustments	H	X	X	X	X
Enhanced in XE! Code Templates include 15 pre-built timesaving templates that can easily be inserted into your code	H	X	X	X	X
Conversions menu item enables you to select a block of text and convert to all upper-case or all lower-case	H	X	X	X	X
Dialogs to add published properties, public properties or publish public properties	H	X	X	X	X
Go to Line Number jumps to a line number in the code editor	H	X	X	X	X
Options Dialog, faster and with more options	H	X	X	X	X
Syntax Check performs a lint syntax check on the active file, showing results of the syntax checking operation in the messages window	H	X	X	X	X
REFACTORING					
Introduced in XE! Includes the following refactorings: Extract Interface, Extract Superclass, Pull Members Up, Push Members Down, Rename, Declare Field, Extract Method, Change Parameters	H	X	X	X	X
INTEGRATED PHP DEBUGGING AND PROFILING					
New in XE3! Debug your client web application JavaScript code with integrated web developer tools	H	X	X	X	X
Introduced in XE! XDebug integration, faster and more powerful, helps find and fix errors	H	X	X	X	X
Enhanced in XE! Integrated PHP Profiler to measure runtime performance and help identify bottlenecks down to the line of code	H	X	X	X	X
Breakpoint List window to display, enable, or disable breakpoints currently set in the loaded project, and to change the condition, pass count, or group associated with a breakpoint	H	X	X	X	X
Enhanced in XE! Breakpoint view with toolbar, in-place editing and enable/disable checkbox	H	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Enhanced in XE! Advanced breakpoints with Tooltips, actions, and groups for complete debugging control	H	X	X	X	X
Call Stack window shows a list with the functions called when debugging or when the execution in debug mode is finished	H	X	X	X	X
Global Variables window shows the current function's global variables while in debug mode	H	X	X	X	X
Enhanced in XE! Local Variables window shows the current function's local variables while in debug mode	H	X	X	X	X
Watches window displays the current value of the watch expression based on the scope of the execution point	H	X	X	X	X
Expandable watches for arrays and objects	H	X	X	X	X
Enhanced in XE! Evaluator tooltips – just place the mouse over an item, and get the evaluation in a hint	H	X	X	X	X
Introduced in XE! Evaluate/Modify, issue function calls or modify variable values on the fly	H	X	X	X	X
Enhanced in XE! Multi-tab watch view for logically grouping variables	H	X	X	X	X
Enhanced in XE! Event log view showing messages from the IDE	H	X	X	X	X
DATABASE APPLICATION DEVELOPMENT					
Enhanced in XE3! Powerful Database Connectivity via PDO. This includes support for InterBase, Firebird, DB2, Informix, MySQL, Oracle, PostgreSQL, SQLite and SQL Server	H	X	X	X	X
Enhanced in XE! Data Explorer to add a new connection, modify, delete, or rename your database connections	H	X	X	X	X
Support for Embarcadero's InterBase database	H	X	X	X	X
Drag and drop from the data explorer to build data-driven applications with no coding	H	X	X	X	X
RPCL (RadPHP Component Library) data access components	H	X	X	X	X
RPCL data controls components	H	X	X	X	X
DOCUMENTATION					
Enhanced in XE3! New sample projects for HTML5, mobile templates and more	H	X	X	X	X
New in XE3! QuickStart Guide to allow you to quickly create your first applications with HTML5 Builder	H	X	X	X	X
Enhanced in XE3! Documentation has been expanded to include many more tutorials and feature information	H	X	X	X	X
Enhanced in XE! Help Browser	H	X	X	X	X
Context sensitive online help for the development environment available via F1 in the IDE	H	X	X	X	X
Documentation wiki accessible via the online help for the latest doc updates	H	X	X	X	X
RPCL class library documentation and code examples	H	X	X	X	X
Sample programs with documentation	H	X	X	X	X
PHP Reference Guide	H	X	X	X	X
Install PHP Reference Guide in your choice of English, German, Japanese, French	H	X	X	X	X
THIRD PARTY					
New in XE3! TeeChart Lite for HTML5 Builder plots charts to all compatible browsers in native JavaScript format using the HTML5 Canvas element. Charts can be added at design-time to Web Server, Web Client and Web Mobile pages, and programmed in both PHP and JavaScript languages.	H	X	X	X	X

* HTML5 Builder features introduced prior to XE3 were part of Embarcadero's previous web development product, RadPHP

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