



# C++ Builder® XE4

Multi-device, true native app development with C++



## Feature Matrix

Feature	Architect	Ultimate	Enterprise	Professional	Starter
<b>INTEGRATED COMPILERS AND TOOLCHAINS</b>					
<b>Introduced in XE3!</b> C++ 64-bit compiler for Windows	X	X	X	X	
<b>Enhanced in XE3!</b> C++ OS X compiler	X	X	X	X	
<b>Enhanced in XE4!</b> Embarcadero C++ Compiler 6.60 (bcc64)	X	X	X	X	
<b>Enhanced in XE4!</b> Embarcadero C++ Compiler 6.60 (bcc32)	X	X	X	X	
<b>Enhanced in XE3!</b> C++ command line toolchains for Windows	X	X	X	X	X
<b>Enhanced in XE3!</b> C++ command line toolchains for Mac OS X (bccosx)	X	X	X	X	
Enhanced in XE2! Create 32-bit optimized native executables that can run on both 32 and 64-bit Windows operating systems	X	X	X	X	X
Enhanced in XE3! ANSI/ISO C++11 and 99 Standard language conformance and Boost support for 64-bit	X	X	X	X	
#pragma once support that allows for better compatibility with MSVC and also acts as a header guard	X	X	X	X	X
[[deprecated]] attribute to flag constructs as deprecated	X	X	X	X	X
Build C++ packages for 32-bit applications	X	X	X	X	X
Secure C library functions	X	X	X	X	X
Enhanced compiler switches for XML representation of source code	X	X	X	X	X
Custom evaluators for C++ Strings types	X	X	X	X	X
Linker error handling to improve memory management flexibility and resolution	X	X	X	X	X
<b>APPLICATION PLATFORMS, INTEGRATED FRAMEWORKS, DESIGNERS AND SDKS</b>					
<b>Enhanced in XE3!</b> FireMonkey 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
<b>Introduced in XE3!</b> FireMonkey platform for creating 64-bit Windows applications for Windows 8, Windows 7, Windows Vista and XP; Server 2008 and 2012.	X	X	X	X	
<b>Enhanced in XE4!</b> FireMonkey platform for creating OS X 10.6, 10.7 and 10.8 applications	X	X	X	X	
<b>Enhanced in XE3!</b> VCL (Visual Component Library) for rapidly building 32-bit applications for Windows 8, Windows 7, Windows Vista and XP; Server 2008 and 2012.	X	X	X	X	X
<b>Introduced in XE3!</b> VCL (Visual Component Library) for rapidly building 64-bit applications for Windows 8, Windows 7, Windows Vista and XP; Server 2008 and 2012.	X	X	X	X	
Enhanced in XE! 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
<b>Introduced in XE3!</b> FireMonkey 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
Enhanced in XE2! Unified Modeling Language® (UML®) designer	X	X	X	X	
.NET headers for C++ to .NET API access	X	X	X	X	X
<b>Introduced in XE3!</b> VCL Metropolis project templates (blank, grid, split layout)	X	X	X	X	X
<b>FIREMONKEY (FM<sup>2</sup>)</b>					
<b>New in XE4!</b> TMagnifier component for easily zooming in on images and text	X	X	X	X	X
<b>New in XE4!</b> TCamera component for accessing the front and back camera, flash etc.	X	X	X	X	X

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<b>Enhanced in XE4!</b> TabControl with new settings for using tabs as views	X	X	X	X	X
<b>New in XE4!</b> FireMonkey Frames	X	X	X	X	X
<b>New in XE4!</b> Mac OS X Full screen Mode	X	X	X	X	
<b>New in XE4!</b> Slide transition action for TTabControl	X	X	X	X	X
<b>Introduced in XE3!</b> Actions and ActionLists	X	X	X	X	X
<b>Introduced in XE3!</b> Anchors	X	X	X	X	X
<b>Introduced in XE3!</b> Layout Managers (Flow Layout, Grid Layout)	X	X	X	X	X
<b>Introduced in XE3!</b> Multimedia support for playing popular video formats	X	X	X	X	X
<b>Introduced in XE3!</b> Multimedia support for playing popular audio formats	X	X	X	X	X
<b>Enhanced in XE4!</b> Location Services component for GPS or triangulation	X	X	X	X	X
<b>New in XE4!</b> Orientation sensor (gyroscope/compass) on Windows	X	X	X	X	X
<b>Enhanced in XE4!</b> Motion Sensor component for accelerometer access on Windows	X	X	X	X	X
<b>Introduced in XE3!</b> Camera Sensor support	X	X	X	X	X
<b>Enhanced in XE3!</b> 3D File Import Support	X	X	X	X	X
<b>Introduced in XE3!</b> Metropolis UI Style for XP, Vista, Windows 7, Windows 8	X	X	X	X	X
<b>Introduced in XE3!</b> Mac OS X 10.8 native style	X	X	X	X	
<b>Introduced in XE3!</b> Mac OS X 10.8 high resolution native Retina Style	X	X	X	X	
<b>Introduced in XE3!</b> Non-Client Area Application Styling for Windows and Mac (Windows-only in Starter)	X	X	X	X	X
<b>Introduced in XE3!</b> Metropolis UI grid page side scrolling	X	X	X	X	X
<b>Introduced in XE3!</b> Edit control with stylable glyph with built-in style support for search bar, password control and more	X	X	X	X	X
<b>Enhanced in XE4!</b> FireMonkey performance optimizations	X	X	X	X	X
<b>Introduced in XE3!</b> Animated progress glyphs including Windows 8 ring	X	X	X	X	X
<b>Enhanced in XE3!</b> StyleLookUp support with preview of available designs for the selected component	X	X	X	X	X
<b>Introduced in XE3!</b> Live Tile support for Enterprise deployment - interaction with desktop application launching and dynamic content management on Windows 8	X	X	X	X	X
<b>Introduced in XE3!</b> FireMonkey project templates for Metropolis UI (blank, grid and split layout);	X	X	X	X	X
<b>Enhanced in XE3!</b> Definable touch target support for each control	X	X	X	X	X
<b>Introduced in XE3!</b> Metropolis UI samples illustrating Microsoft® style guide	X	X	X	X	X
<b>Introduced in XE3!</b> Easy one-click Metropolis UI form converter for existing forms	X	X	X	X	X
<b>Introduced in XE3!</b> 4 new Metropolis UI styles	X	X	X	X	X
<b>Introduced in XE3!</b> Support for Windows 8 gestures	X	X	X	X	X
<b>Introduced in XE3!</b> Multiple button/control states	X	X	X	X	X
<b>Introduced in XE3!</b> Application toolbar for Metropolis UI	X	X	X	X	X
<b>Introduced in XE3!</b> Shared external redistributable bitmap style designer for VCL and FireMonkey	X	X	X	X	X
<b>Introduced in XE3!</b> FireMonkey bitmap based styles	X	X	X	X	X
<b>Enhanced in XE3!</b> Native UI control styles	X	X	X	X	X
<b>Enhanced in XE3!</b> Additional native and custom UI styles	X	X	X	X	X
<b>Enhanced in XE3!</b> Text and Memo control performance	X	X	X	X	X
<b>Introduced in XE2!</b> FireMonkey Form Inheritance	X	X	X	X	X
<b>Introduced in XE3!</b> Use one shader language for all rendering libraries (OpenGL or DirectX3D)	X	X	X	X	X
<b>Introduced in XE3!</b> On-screen keyboard support for Windows touch devices	X	X	X	X	X
<b>Introduced in XE3!</b> MetropolisUIListBox support for easily creating listboxes and custom grid layouts	X	X	X	X	X

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<b>Introduced in XE3!</b> Mac OS X App Store Ready	X	X	X	X	
<b>VISUAL LIVE BINDINGS</b>					
<b>Introduced in XE3!</b> Visually connect component properties and data	X	X	X	X	
<b>Introduced in XE3!</b> Easily replace prototype data with real ClientDataSet data with one click	X	X	X	X	
<b>Introduced in XE3!</b> Context sensitive LiveBindings Wizard	X	X	X	X	
<b>Introduced in XE3!</b> Support for QuickBinding components	X	X	X	X	
<b>Introduced in XE3!</b> Ability to visually add and bind to additional component properties	X	X	X	X	
<b>Introduced in XE3!</b> Color coded component properties easily identify bindable members	X	X	X	X	
<b>Introduced in XE3!</b> Zoom control for Visual LiveBindings Designer	X	X	X	X	
<b>Introduced in XE3!</b> Ability to save image of current LiveBindings Designer layout	X	X	X	X	
<b>Introduced in XE3!</b> Hide visual elements on right-click	X	X	X	X	
<b>Introduced in XE3!</b> 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	
<b>Introduced in XE3!</b> Easily launch the LiveBindings Designer with the right-click 'Bind Visually' command on the form designer	X	X	X	X	
<b>Introduced in XE3!</b> 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	
<b>INTEGRATED BUILD TOOLS AND PROJECT SUPPORT</b>					
Enhanced in XE2! IDE support for building and managing projects for 32-bit Windows	X	X	X	X	X
<b>Introduced in XE3!</b> IDE support for building and managing projects for 64-bit Windows	X	X	X	X	
<b>Enhanced in XE3!</b> IDE support for building and managing projects for OS X	X	X	X	X	
<b>Introduced in XE3!</b> IDE support for targeting OS X builds for Mac OS X App Store	X	X	X	X	
<b>Enhanced in XE4!</b> FireMonkey application wizards	X	X	X	X	X
<b>Enhanced in XE4!</b> Platform Assistant for deploying and debugging across platforms	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.	X	X	X	X	X
File manipulation and creation through the Project Manager facilities	X	X	X	X	X
Optimize build times with pre-compiled header wizard	X	X	X	X	X
Batch compilation – compile all files in project at once for increased performance	X	X	X	X	
Flexible build system leveraging MSBuild with identical build process from the IDE or command line	X	X	X	X	X
Virtual folders to logically organize files in your project stored in different locations	X	X	X	X	X
<b>Enhanced in XE4!</b> C++Builder 3 through XE3 project import	X	X	X	X	X
Enhanced in XE2! 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, pre-link (C++ only), and post-build on project and file levels	X	X	X	X	X
Project dependency checking	X	X	X	X	X
Enhanced in XE! IDE Studio personality indicator – shows which is active when multiple languages are available	X	X	X	X	X

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Project level build ordering	X	X	X	X	X
File 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
Impdef utility provides information about DLLs	X	X	X	X	X
Implib utility to create import libraries from DLLs	X	X	X	X	X
Additional command line tools include Microsoft Resource Compiler, TDump utility to structurally analyze EXE, OBJ, and LIB files, GREP tool, and MAKE tool	X	X	X	X	X
Enhanced in XE! Tlib utility for symbol case conversion to create extended libraries and modify page sizes	X	X	X	X	X
<b>LANGUAGE AND RUNTIME LIBRARY FEATURES</b>					
<b>Introduced in XE3!</b> C++ RTL for 64-bit Windows	X	X	X	X	
<b>Enhanced in XE3!</b> C++ RTL for OS X	X	X	X	X	
Introduced in XE2! Extensible, cross platform, framework agnostic login credentials service	X	X	X	X	X
Introduced in XE2! Native zip file support	X	X	X	X	X
Enhanced in XE3! C++ RTTI compatibility with Delphi	X	X	X	X	X
<b>Introduced in XE3!</b> Boost 1.5 for Windows 64-bit	X	X	X	X	
<b>Introduced in XE3!</b> Dinkumware 5.3 RTL for 64-bit	X	X	X	X	
Introduced in XE2! Boost for OS X	X	X	X	X	
Introduced in XE2! Dinkumware RTL for OS X	X	X	X	X	
Enhanced in XE! New Regular Expressions (Regex) library	X	X	X	X	X
Object-oriented file and directory I/O classes	X	X	X	X	X
Dinkumware STL v5.01 with iterator debugging	X	X	X	X	X
ANSI/ISO standard library Technical Report 1	X	X	X	X	X
Enhanced in XE2! RTTI support in C++	X	X	X	X	X
Support for localized resources	X	X	X	X	X
Improved standard C++ heap manager	X	X	X	X	X
Enhanced in XE! Optimized string/memory handling functions	X	X	X	X	X
UnicodeString class	X	X	X	X	X
Unicode character types char16_t and char32_t	X	X	X	X	X
Move semantics with rvalue references	X	X	X	X	X
Explicit conversion operators	X	X	X	X	X
Static assertions	X	X	X	X	X
Full type trait support	X	X	X	X	X
Extern templates	X	X	X	X	X
[[final]] and [[noreturn]] attributes	X	X	X	X	X
Decltype keyword	X	X	X	X	X
Scoped enumerations	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
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
<b>PERSONAL DEVELOPER PRODUCTIVITY</b>					
Introduced in XE2! Template Libraries	X	X	X	X	X
<b>Enhanced in XE3!</b> Deployment Manager: Deploy to OS X, 32-bit Windows, and 64-bit Windows	X	X	X	X	
Introduced in XE2! Deployment Manager: Deploy to Amazon EC2 and Windows Azure	X	X	X	X	
<b>Enhanced in XE4!</b> 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

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Introduced in XE! Object Gallery Descriptions pane that gives better understanding to the wizard or feature	X	X	X	X	X
Introduced in XE! Designer snapshots – copy form images to the clipboard	X	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	X	X	X	X	X
Enhanced in XE! Code Formatter and beautification for source code including block formatting	X	X	X	X	
Introduced in XE! Command-line Code Formatter for integration with automated build processes	X	X	X	X	
Introduced in XE! Code Formatter profiles allow users to create / save / load custom formatter options sets	X	X	X	X	
Introduced in XE2! Audits for C++	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.	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
Resource Manager greatly simplifies the addition of resources to projects	X	X	X	X	
Alpha channels in icons	X	X	X	X	X
Enhanced in XE! Significant all-around IDE performance improvements	X	X	X	X	X
Introduced in XE! Option to turn-on and off brace highlighting	X	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.	X	X	X	X	
Enhanced in XE! 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
Enhanced in XE! Main toolbar with the addition of Run without Debug option	X	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.	X	X	X	X	X
Enhanced in XE! 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
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

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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	X
Editor Gutter – easier to read with less clutter	X	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	
Enhanced in XE! Crash recovery reporting, enables Embarcadero to understand complex IDE crashes to better serve our customers	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
Introduced in XE! Open Tools API ability to create and control Internal tabbing capability	X	X	X	X	X
<b>SOURCE CODE MANAGEMENT</b>					
Introduced in XE! Version Insight – Integrated framework for supporting source code management tooling inside the IDE	X	X	X	X	
Introduced in XE! Subversion integration into the IDE	X	X	X	X	X
Introduced in XE! Subversion/History integration	X	X	X	X	X
Introduced in XE! A full default Diff viewer	X	X	X	X	
Introduced in XE! Install Subversion client from the installer	X	X	X	X	
Introduced in XE! SCM Integration (Subversion) also available as an open source project	X	X	X	X	
<b>INTERNATIONAL DEVELOPMENT</b>					
Unicode-enabled development environment	X	X	X	X	X
Enhanced in XE2! Unicode-enabled VCL and FireMonkey	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	
Translation Repository provides a database for translations that can be shared across projects	X	X	X	X	
<b>REFACTORINGS</b>					
Rename refactoring	X	X	X	X	
<b>UML MODELING</b>					
Enhanced in XE2! UML Code Visualization – at any time, get a UML model view of your source code	X	X	X	X	
Introduced in XE! 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		

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Activity diagrams	X	X	X		
Component diagrams	X	X	X		
Enhanced in XE! Documentation generation	X	X	X		
Introduced in XE2! C++ audits	X	X	X	X	
Introduced in XE2! Advanced C++ audits that include data analysis	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	
XML 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	
Diagram hyper-linking and annotations	X	X	X	X	
<b>INTEGRATED DEBUGGING</b>					
Full-featured debugger with color syntax highlighting	X	X	X	X	X
<b>Enhanced in XE3!</b> Debug remote OS X applications	X	X	X	X	
Debugging visualizers to enable extended views of debugging data	X	X	X	X	X
Build debugger visualizers for your own custom data types	X	X	X	X	X
Debugger visualizer for C++ String types, including AnsiString/UnicodeString	X	X	X	X	X
Debug visualizers for TDateTime, TDate, and TTime	X	X	X	X	X
Introduced in XE! 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	



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Exception notification dialog: Break/Continue buttons, "Ignore exception type" checkbox	X	X	X	X	X
Break into debugger when an assert fires	X	X	X	X	
Modules View sorting	X	X	X	X	
Remote debugging	X	X	X	X	
Enhanced in XE! CodeGuard debugger support (32-bit only)	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	
Enhanced in XE! Breakpoint view with toolbar, in-place editing, and enable/disable checkbox	X	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	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	
<b>INTEGRATED UNIT TESTING</b>					
Enhanced in XE! 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	
<b>DOCUMENTATION</b>					
Enhanced in XE4! Continually updated help system with diagrams showing class hierarchy, and new declared members pages	X	X	X	X	X
Introduced in XE2! Help installer re-integrated in the main installer	X	X	X	X	X
<b>DATABASE APPLICATION DEVELOPMENT AND CONNECTIVITY</b>					
<b>DBEXPRESS</b>					
Enhanced in XE2! dbExpress™ 4 database connectivity framework with connection pooling, tracing, and delegate drivers	X	X	X	X	
Introduced in XE3! Included dbExpress drivers available for 64-bit Windows – InterBase local, MySQL local and SQLite local only	X	X	X	X	
Introduced 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 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		



Feature	Architect	Ultimate	Enterprise	Professional	Starter
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	
<b>Enhanced in XE3!</b> dbExpress server connectivity to Embarcadero InterBase® XE3, XE, 2009, and 2007	X	X	X		
<b>Introduced in XE3!</b> InterBase ToGo dbExpress driver	X	X	X	X	
<b>Introduced in XE3!</b> InterBase ToGo 64-bit ODBC driver for Windows	X	X	X	X	
<b>Introduced in XE3!</b> dbExpress server connectivity to SQLite 3.x	X	X	X		
Enhanced in XE2! dbExpress Server connectivity to Firebird 2.5, 2.1 and 1.5	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		
Enhanced in XE2! 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		
Introduced in XE2! dbExpress ODBC Driver	X	X	X		
dbExpress local connectivity to InterBase	X	X	X	X	
dbExpress local connectivity to MySQL	X	X	X	X	
<b>Introduced in XE3!</b> 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	
<b>Enhanced in XE3!</b> LiveBindings connect any type of data to any UI or graphical element in VCL and FireMonkey	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	
<b>FIREDAC MULTI-DEVICE DATA ACCESS LIBRARY</b>					
<b>New in XE4!</b> Data Access components for Win/Mac	X	X	X	Optional <sup>1</sup>	
<b>New in XE4!</b> 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 <sup>1</sup>	
<b>New in XE4!</b> Comprehensive support for SQLite v3+ database, including "smart" data type recognition	X	X	X	Optional <sup>1</sup>	
<b>New in XE4!</b> Easy to use TDataSet descendant classes	X	X	X	Optional <sup>1</sup>	
<b>New in XE4!</b> Unified Data Access API	X	X	X	Optional <sup>1</sup>	
<b>New in XE4!</b> Comprehensive support for InterBase v6+, including multiple transactions	X	X	X	Optional <sup>1</sup>	
<b>New in XE4!</b> FireDAC clients for DataSnap	X	X	X	Optional <sup>1</sup>	
<b>New in XE4!</b> High-performance in-memory dataset	X	X	X	Optional <sup>1</sup>	
<b>New in XE4!</b> FireDAC source code	X	X	X	Optional <sup>1</sup>	
<b>New in XE4!</b> Easy to use TADMemTable - in-memory dataset, highly compatible with TClientDataSet	X	X	X	Optional <sup>1</sup>	
<b>New in XE4!</b> DataSnap client support for HTTP, HTTPS and TCP/IP protocols and authentication	x	x	x	Optional <sup>1</sup>	
<b>New in XE4!</b> Local SQL with heterogeneous SQL commands to TDataSet's, full SQLite SQL dialect support, add-hoc TDataSet lookup	x	x	x	Optional <sup>1</sup>	
<sup>1</sup> Available with purchase of FireDAC Client/Server Pack for Professional					

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<b>DATASNAP MULTI-TIER</b>					
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.	X	X	X		
Enhanced in XE2! Deploy DataSnap servers to Amazon EC2	X	X	X		
Introduced in XE2! HTTPS support in stand-alone DataSnap Applications	X	X	X		
Introduced in XE2! DataSnap server ability to terminate socket connection	X	X	X		
Introduced in XE2! CommunicationTimeout for HTTP protocol	X	X	X		
Introduced in XE2! JavaScript Minification with dispatching	X	X	X		
Introduced in XE2! Heavyweight callbacks support broadcasting to specific callbacks	X	X	X		
Introduced in XE2! RoleItem has Exclude list	X	X	X		
Introduced in XE2! Callback channel events for servers and clients	X	X	X		
Introduced in XE2! DataSnap REST server support for multiple Callback Tunnels	X	X	X		
Introduced in XE2! Session Events for TCP/IP Protocol	X	X	X		
Introduced in XE2! KeepAlive support for TCP transport component	X	X	X		
Introduced in XE2! Object support in DataSnap sessions	X	X	X		
Introduced in XE2! Monitor and control connections	X	X	X		
Introduced in XE2! Allow changing of JSON result format in REST calls	X	X	X		
Introduced in XE2! Allow query parameters in REST calls and store them	X	X	X		
Introduced in XE2! Proxy information support for HTTP connections	X	X	X		
Introduced in XE2! 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		
Enhanced in XE2! DataSnap wizards from the Object Gallery to make server and client creation even easier	X	X	X		
Enhanced in XE! Added support for REST(ful) interface and exposure from the Server	X	X	X		
Enhanced in XE2! Support for REST client proxy generation	X	X	X		
Introduced in XE! DataSnap Server Proxy generation for Delphi, C++, JavaScript, and PHP	X	X	X		
Enhanced in XE! Added support for HTTP and HTTPS communication protocol beyond the local DataSnap (TCP/IP) approach	X	X	X		
Enhanced in XE! Added HTTP tunneling support for client code outside the firewall	X	X	X		
Enhanced in XE! Added Filter support for encryption and compression over-the-wire	X	X	X		
Introduced in XE! Included new encryption PC1 and compression filters now included for quick enablement.	X	X	X		
Introduced in XE! Heavyweight callbacks for enhanced client/server communications and notifications	X	X	X		
Enhanced in XE! Added support for publishing DataSnap server through the WebBroker approach	X	X	X		
Added lightweight Callbacks	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	
Introduced in XE2! ClientDataSet support for OS X	X	X	X	X	
<b>Introduced in XE3!</b> MyBase XML in memory dataset support	X	X	X	X	X

Feature	Architect	Ultimate	Enterprise	Professional	Starter
<b>DATASNAP DESKTOP CLIENT CONNECTORS</b>					
Windows 32-bit	X	X	X		
Introduced in XE3! Windows 64-bit	X	X	X		
Introduced in XE2! Mac OS X	X	X	X		
<b>DATASNAP WEB CLIENT CONNECTORS</b>					
Introduced in XE! Simple REST / JavaScript	X	X	X		
<b>DATASNAP MOBILE CLIENT CONNECTORS</b>					
Enhanced in XE4! Apple iOS (iPhone, iPad, iPod Touch) 5.1 and 6.x	X	X	X		
Introduced in XE2! RIM BlackBerry	X	X	X		
Introduced in XE2! Windows Phone 7	X	X	X		
Enhanced in XE3! Android Gingerbread, Ice Cream Sandwich, and Jelly Bean	X	X	X		
<b>DATABASE TOOLS</b>					
Enhanced in XE! 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 and C++Builder code-based stored procedures from Data Explorer	X	X	X	X	
<b>INCLUDED DATABASES</b>					
Introduced in XE3! InterBase XE3 Developer Edition – up to 20 users and 80 logical connections	X	X	X	X	
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	
<b>CLOUD SUPPORT</b>					
Introduced in XE! Ability to connect to Windows Azure	X	X	X	X	
Introduced in XE! Ability to manipulate Windows Azure blobs, queues, and tables	X	X	X	X	
Introduced in XE2! MetaData support for TAzureQueueManagement	X	X	X	X	
Introduced in XE2! ContinuationToken support for Azure Table	X	X	X	X	
Introduced in XE2! Amazon Simple Storage Service API	X	X	X	X	
Introduced in XE2! Amazon Queue Service API	X	X	X	X	
Introduced in XE2! Amazon SimpleDB API	X	X	X	X	
Enhanced in XE2! Deploy to Amazon EC2	X	X	X	X	
Introduced in XE2! Deploy to Windows Azure	X	X	X	X	
<b>PROFILING with AQtime 7 Standard</b>					
Introduced in XE! AQtime 7 Standard for RAD Studio integrated plug-in	X	X	X	X	
Introduced in XE! Support for 32 bit applications	X	X	X	X	
Introduced in XE! Performance and function timing profiling	X	X	X	X	
Introduced in XE! Parent / child contribution analysis	X	X	X	X	
Introduced in XE! Analysis of memory and resource allocation and leaks	X	X	X	X	
Introduced in XE! Code coverage	X	X	X	X	
Introduced in XE! Exception tracing	X	X	X	X	
Introduced in XE! Selective profiling using profiling areas	X	X	X	X	
<b>FILE COMPARE with Beyond Compare Text Compare</b>					
Introduced in XE! Beyond Compare Text Compare integration	X	X	X	X	
Introduced in XE! Compare and edit the contents of files with syntax highlighting	X	X	X	X	
Introduced in XE! Ignore changes in whitespace and comments	X	X	X	X	
Introduced in XE! Print reports of differences or save them as HTML or plain	X	X	X	X	

Feature	Architect	Ultimate	Enterprise	Professional	Starter
Introduced in XE! Filter display to only show differences, optionally with a few lines of context	X	X	X	X	
Introduced in XE! Built-in support for Delphi, C++, HTML, DFMs, and more	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	X	X	X	X	
Introduced in XE! Automatically configured for both differences and merges from the History view	X	X	X	X	
<b>LOGGING with CodeSite Express</b>					
Enhanced in XE2! Raize Software CodeSite Express Integration provides advanced application logging and debugging capabilities	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	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	X	X	X	X	
Introduced in XE! Emphasize important logging information through a variety of message types	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	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	X	X	X	X	
Introduced in XE! Filter message logs by application name, process id, thread name, computer name, category, and message text	X	X	X	X	
Introduced in XE! Quickly organize the message log into multiple views by using the advanced CodeSite Message Organizer	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	X	X	X	X	
Introduced in XE! Record method calls to add call stack structure to the message log	X	X	X	X	
<b>IP*Works! COMMUNICATION COMPONENTS</b>					
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.	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	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	
<b>TeeChart CHARTING COMPONENTS</b>					
<b>Enhanced in XE2!</b> TeeChart Standard – reporting and graphing component set	X	X	X	X	
<b>FastReport REPORTING SOLUTIONS</b>					
Introduced in XE2! FastReport VCL 4 RAD Edition reporting tool	X	X	X	X	
Introduced in XE2! Exports to popular formats (PDF, RTF, HTML, BMP, JPEG, TIFF, GIF, TXT, CSV)	X	X	X	X	

Feature	Architect	Ultimate	Enterprise	Professional	Starter
Introduced in XE2! Grouping with drill-downs	X	X	X	X	
Introduced in XE2! Caching of the big reports(uses less memory)	X	X	X	X	
Introduced in XE2! Six levels in master-detail-subdetail relation	X	X	X	X	
<b>DOCUMENTATION TOOLS</b>					
<b>ADDITIONAL COMPONENTS AND TOOLS</b>					
Enhanced in XE! glyFX Icon Library – Embarcadero Edition	X	X	X	X	
Enhanced in XE! Support for SOAP 1.2 clients	X	X	X	X	
<b>BIZSNAP WEBSERVICES™</b>					
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		
Enhanced in XE2! Easily create Win32 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	
<b>WEB APPLICATION DEVELOPMENT</b>					
<b>INTRAWEB</b>					
Enhanced in XE3! IntraWeb XIV – RAD Web Application framework, Personal Edition				X	
Enhanced in XE3! IntraWeb XIV – RAD Web Application framework, Standard Edition	X	X	X		
Introduced in XE! Integrated Page Mode	X	X	X	X	
Introduced in XE! RSS Feeds	X	X	X	X	
Introduced in XE! Static content	X	X	X	X	
Introduced in XE! URL Mapping	X	X	X	X	
Enhanced in XE! Standalone deployment	X	X	X	X	
Enhanced in XE! Windows Service Deployment	X	X	X		
Concurrent session limit				X	
Unlimited concurrent session limit	X	X	X		
Application Mode	X	X	X	X	
Enhanced in XE! Code based Authentication	X	X	X	X	
Introduced in XE! Session time out limit of 20 minutes	X	X	X	X	
<b>INTERNET DIRECT (INDY)</b>					
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	X	X	X	X	X
Introduced in XE3! INDY component libraries for Win64	X	X	X	X	
Introduced in XE2! INDY component libraries for OS X	X	X	X	X	
<b>COM/DCOM SUPPORT</b>					
Introduced in XE3! ActiveX for Win64	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	X

Feature	Architect	Ultimate	Enterprise	Professional	Starter
Import COM servers as components to develop visually	X	X	X	X	
Introduced in XE! Removal of the dependency of the ATL libraries for C++Builder ActiveX support	X	X	X	X	X
<b>VISUAL COMPONENT LIBRARY (VCL)</b>					
<b>Introduced in XE3!</b> VCL support for Win64	X	X	X	X	
<b>Introduced in XE3!</b> VCL Metropolis Project Templates (blank, grid, split layout)	X	X	X	X	X
<b>Introduced in XE3!</b> VCL Metropolis styles for XP, Vista, Windows 7, and Windows 8	X	X	X	X	X
<b>Introduced in XE3!</b> VCL style support for Ribbon controls	X	X	X	X	X
<b>Introduced in XE3!</b> 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	
Introduced in XE2! VCL Styles: Create VCL applications with enhanced GUI	X	X	X	X	X
Introduced in XE2! Professional looking custom styles such as the Graphite series for VCL	X	X	X	X	X
Introduced in XE2! 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
<b>Enhanced in XE4!</b> Interactive multi-touch gestures for panning, zooming, and rotating (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

Feature	Architect	Ultimate	Enterprise	Professional	Starter
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	
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		
Enhanced in XE! DataSnap Server components including TDSTCPServerTransport, TDSProxyGenerator, TDSServerMetaDataProvider, TDSConnectionMetaDataProvider, TDSRestConnection, TDSRestMetaDataProvider, TDSHTTPWebDispatcher, TDSServer, TDSServerClass, TDSHTTPService, TDSAuthenticationManager, TDSClientCallbackChannelManager, and TDSHTTPServiceFileDispatcher	X	X	X		
Introduced in XE! Windows Azure components including AzureConnectionString, AzureBlobManagement, AzureQueueManagement, and AzureTableManagement	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
WebSnap components including adapters, values lists, dispatchers, file service, sessions service, web user list and page producers	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	
Enhanced in XE2! IntraWeb components including Silverlight, Standard, Control, Standard 3.2, WAP, Data, Client Side, Data 3.2, Data WAP	X	X	X	X	
Enhanced in XE2! TeeChart Standard components including chart, DBchart, dataset, buttons, draw, combo and image	X	X	X	X	
Enhanced in XE2! InterBase Express (IBX) components	X	X	X	X	
<b>DATABASE APPLICATION DEVELOPMENT</b>					
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			



Feature	Architect	Ultimate	Enterprise	Professional	Starter
<b>DATABASE MODELING AND DESIGN</b>					
<b>Updated in XE4!</b> 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				
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				X
<b>LICENSING AND TOOL MANAGEABILITY</b>					
No fees or limitations on deployment of applications built with C++Builder	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 C++Builder 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
Enhanced in XE2! AppWave network named or concurrent licenses available	X	X	X	X	
<b>Enhanced in XE4!</b> Earlier version licenses included in AppWave network licenses (C++Builder 2007-XE3). C++Builder 6 available separately	X	X	X	X	
<b>Enhanced in XE4!</b> Access to licenses and downloads for earlier versions with purchase of standalone product licenses (C++Builder 2007-XE3, C++Builder 6)	X	X	X	X	
Enhanced in XE! Upgradeable to Embarcadero All-Access XE	X	X	X	X	

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Corporate Headquarters | Embarcadero Technologies | 100 California Street, 12th Floor | San Francisco, CA 94111 | [www.embarcadero.com](http://www.embarcadero.com) | [sales@embarcadero.com](mailto:sales@embarcadero.com)