



## RAD Studio, Delphi, C++Builder 10.2.2 Products Feature Matrix

Each feature in the following table has an indication if it is available in the Delphi (D) and/or the C++Builder (C) personality, or in HTML5 Builder (H). RAD Studio editions include all three personalities, while single product editions (Delphi and C++Builder) have only the features marked for the corresponding personality. Enterprise+ indicates both Enterprise and Architect editions, unless specifically indicated otherwise. Starter edition is available only for single personalities and not as a bundle.

See also the notes description at the bottom of this page for features partially available or provided with optional add-on packs to the Professional edition. Some of the features are only available for download in the GetIt Package Manager, which requires an Internet connection.

Feature	Enterprise+	Professional	Starter
<b>INTEGRATED COMPILERS AND TOOLCHAINS</b>			
Delphi 32-bit native code optimizing compiler (dcc32) and toolchain for Windows, including high performance x86 Assembler	D	D	D
Delphi 64-bit native compiler and toolchain for Windows (dcc64)	D	D	
<b>New in 10.2 Tokyo!</b> Delphi 64-bit native compiler and toolchain for Linux (dcclinux64)	D		
Delphi native compiler and toolchain for macOS (dccosx)	D	D	
Delphi compiler and toolchain for the iOS devices and the iOS simulator (dcciosarm, dccios32)	D	D <sup>1</sup>	
iOS 64 bit Object Pascal compiler and toolchain	D	D <sup>1</sup>	
Delphi ARM compiler and toolchain for Android devices (dccaarm)	D	D <sup>1</sup>	
Embarcadero C++ compiler and toolchain for Win64 (bcc64)	C	C	
Embarcadero C++ compiler and toolchain for Win32 (bcc32)	C	C	C
<b>Introduced in 10 Seattle!</b> C++ 11 CLANG-enhanced compiler and toolchain for Win32 (bcc32c)	C	C	C
C++ macOS compiler and toolchain (bccosx)	C	C	
C++Builder iOS ARM compiler and toolchain (bcciosarm)	C	C <sup>1</sup>	
iOS 64 bit C++ compiler and toolchain	C	C <sup>1</sup>	
C++Builder Android ARM compiler and toolchain (bccarm)	C	C <sup>1</sup>	
Support for iOS Universal Apps (including both 32 bit and 64 bit binaries in an app bundle)	C D	C <sup>1</sup> D <sup>1</sup>	
<b>APPLICATION PLATFORMS, INTEGRATED FRAMEWORKS, DESIGNERS AND SDKS</b>			
<b>New in 10.2 Tokyo!</b> Support for Linux server-side and standalone applications for Ubuntu LTS Version 16.04 and RedHat Enterprise Version 7	D		
<b>Enhanced in 10.2.2 Tokyo!</b> FireMonkey Application Platform for creating 32-bit Windows applications for Windows 10 (up to Fall Creators Update), Windows 8.x and Windows 7; Windows Server 2012 and 2016.	C D	C D	C D
<b>Enhanced in 10.2.2 Tokyo!</b> FireMonkey Application Platform for creating 64-bit Windows applications for Windows 10 (up to Fall Creators Update), Windows 8.x and Windows 7; Windows Server 2012 and 2016.	C D	C D	
<b>Enhanced in 10.2.2 Tokyo!</b> FireMonkey Application Platform for creating applications for macOS 10.10 Yosemite, 10.11 El Capitan, 10.12 Sierra, 10.13 High Sierra	C D	C D	
<b>Enhanced in 10.2.2 Tokyo!</b> FireMonkey Application Platform for creating native iOS applications for iOS 9.x, iOS 10.x, iOS 11.x, for both ARMv7 and ARM 64-bit	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Enhanced in 10.2.2 Tokyo!</b> FireMonkey Application Platform for creating native Android ARMv7 applications for Jelly Bean (4.1, 4.2, 4.3), Kit Kat (4.4), Lollipop (5.x), Marshmallow (6.x), Nougat (7.x), Oreo (8.0)	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Introduced in 10 Seattle!</b> FireMonkey Application Platform support for creating native Android services	D	D <sup>1</sup>	

**Notes:**

- X<sup>1</sup> = Optional with Mobile Add on Pack in Delphi Professional and C++ Builder Professional, included in RAD Studio Professional
- X<sup>2</sup> = Optional with FireDAC Client/Server pack in Professional editions (all products)
- X<sup>3</sup> = Included in RAD Studio Professional. Available only for desktop platforms in Delphi Professional and C++Builder Professional, mobile support is optional with the Mobile Add on Pack
- X<sup>4</sup> = Limited to local connections in Professional editions, remote connections optional and part of the FireDAC Client/Server pack
- X<sup>5</sup> = Available only for Win32 platform in Starter edition

Feature	Enterprise+	Professional	Starter
<b>Enhanced in 10.1 Berlin!</b> Android Wear support in the designer, including the layout and style for new watches (Sony SmartWatch 3 and Motorola Moto 360) and an Android Wear style optimized for Android smart watches user interface	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Enhanced in 10.2.2 Tokyo!</b> VCL (Visual Component Library) for rapidly building 32-bit applications for Windows 10, Windows 8.x and Windows 7; Windows Server 2012 and 2016.	C D	C D	C D
<b>Enhanced in 10.2.2 Tokyo!</b> VCL (Visual Component Library) for rapidly building 64-bit applications for Windows 10, Windows 8.x and Windows 7; Windows Server 2012 and 2016.	C D	C D	
<b>Introduced in 10.1.2 Berlin!</b> Windows Desktop Bridge .appx package format deployment (providing support for deploying to the Win 10 store), including management of additional files, .appx packaging and code signing automatically invoking the platform SDK ( <i>this feature requires running RAD Studio on Windows 10 Anniversary Update or above</i> )	C D	C D	
<b>Enhanced in 10.1.2 Berlin!</b> Microsoft Windows SDK support for Windows 7, Windows 8 and Windows 10 APIs. Includes support for calling both classic Win32/Win64 APIs and WinRT APIs; required for the Windows Desktop Bridge	C D	C D	C <sup>5</sup> D <sup>5</sup>
<b>FMX APPLICATION PLATFORM (FIREMONKEY)</b>			
FireUI multi-device designer for visually building mobile and desktop applications and customize them at design time for different form factors and operating systems	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
FireUI multi-device designer ability to make changes on the main user interface that are propagated to other device specific user interfaces and fine tune a device specific form factor without affecting other views	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
FireUI multi-device designer support for adding additional custom views to the designer	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
FireUI Mobile Previews offering a live preview at a glance of the form in the multi-device designer in multiple devices, resolutions, and operating systems you can fully customize	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
FireUI Device Manager, to edit the specifications of the available devices for the multi-device designer and the preview and add more	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
<b>Introduced in 10.1 Berlin!</b> FireUI App Previews lets you preview your FireMonkey application on iOS, Android, macOS and Windows targets as you are designing the app. Changes made in the FMX Designer are broadcasted in real time to connected devices using the appropriate Styles for the devices.	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
Dozens of UI controls for building FMX applications, covering the most common UI guidelines and including also 3D support, for rapidly building multi-device applications	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
<b>Introduced in 10.1 Berlin!</b> Address Book component for iOS and Android, allowing access to and extensive modification of device contacts and groups and including monitoring of address book changes by other applications	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Introduced in 10.2.2 Tokyo!</b> QuickEdit designers for FireMonkey, including a new pane for editing common control properties faster and several other additions to the IDE designer experience	C D	C D	C D
<b>Introduced in 10.1 Berlin!</b> Extended clipboard service support, with new IFMXExtendedClipboardService interface, with support for querying and working with text, images, and custom formats	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
<b>Introduced in 10.1 Berlin!</b> Better High DPI resolution support on Windows	C D	C D	C D
<b>Introduced in 10.1 Berlin!</b> Support for accelerator keys on Windows, compatible with other platforms and implemented using the new IFMXAcceleratorKeyRegistryService platform service. There is also a new FocusControl property for the Label control to specify the focus target for the label's accelerator.	C D	C D	C D
<b>Introduced in 10.1 Berlin!</b> Touch animation support for TListView	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
<b>Enhanced in 10.1 Berlin!</b> Grid controls improvements including support for ImageList, new AutoDisplacement and CancelEditingByDefault options, and StringGrid supports for glyph and currency columns	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
<b>Introduced in 10.1 Berlin!</b> New ListView item designer, providing an interactive way to work with ListView items	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
<b>Enhanced in 10.1 Berlin!</b> Improved TMediaPlayer codec support for all platforms	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
<b>Enhanced in 10.1 Berlin!</b> Enhanced TFont and TFontStyle to support multi-weight, multi-style fonts	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
<b>Enhanced in 10.1 Berlin!</b> Improvements to MessageBox, ShowMessage and InputQuery now offering both synchronous (blocking) implementation and asynchronous (non-blocking) implementation	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
<b>Enhanced in 10.1 Berlin!</b> Mouse-over Hints support for FireMonkey visual controls on desktop	C D	C D	C <sup>5</sup> D <sup>5</sup>
<b>Introduced in 10 Seattle!</b> Native style presentation for Windows for Edit and Memo platform controls	C D	C D	C D
<b>Introduced in 10 Seattle!</b> FireMonkey controls zOrder support for Windows	C D	C D	C D
<b>Introduced in 10 Seattle!</b> Touch animation for Android platform	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Introduced in 10 Seattle!</b> FireMonkey apps can receive Android intents, regardless of the source (email, web link, other app). A new sample demonstrates this ability.	C D	C <sup>1</sup> D <sup>1</sup>	

Feature	Enterprise+	Professional	Starter
FireMonkey Behavior service for automatically adjusting UI properties to the target operating system standards	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
<b>Enhanced in 10.2 Tokyo!</b> MultiView component to create a UI that adapts to the form factor, from mobile to tablet, from portrait to landscape. Now with specific support for Windows 10 UI, new options to manage borders appearance, and new alignments for docked panel mode	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
<b>New in 10.2 Tokyo!</b> Multi-Threading support for TBitmap, TCanvas and TContext3D	C D	C D	C D
<b>New in 10.2 Tokyo!</b> Unification of Delphi and Java threads on Android	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Enhanced in 10 Seattle!</b> Specific TSwitch behavior for Windows 10 UI	C D	C D	C D
<b>Enhanced in 10 Seattle!</b> Edit and Calendar ability to dynamically render a platform native UI control on iOS	C D	C <sup>1</sup> D <sup>1</sup>	
Memo platform controls for iOS for highest input fidelity	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Introduced in 10.1.1 Berlin!</b> FireMonkey platform rendering TGrid for iOS	C D	C <sup>1</sup> D <sup>1</sup>	
<b>New in 10.2 Tokyo!</b> SystemStatusBar options for TForm on iOS for changing the behavior of the system status bar	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Enhanced in 10 Seattle!</b> ListView platform controls for iOS	C D	C <sup>1</sup> D <sup>1</sup>	
Calendar platform controls for iOS	C D	C <sup>1</sup> D <sup>1</sup>	
Switch platform controls for iOS	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Introduced in 10 Seattle!</b> ScrollBox platform controls for iOS	C D	C <sup>1</sup> D <sup>1</sup>	
MapView component for mobile platforms (iOS and Android) supporting platform specific interactive mapping libraries (respectively, by Apple and Google)	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Enhanced in 10.2 Tokyo!</b> WebBrowser component for Windows	C D	C D	C D
WebBrowser component for macOS	C D	C D	
Improved mixing of platform and styled components, with new platform styling options for iOS and controls Z-order improvements (with ControlType property for non-platform controls)	C D	C <sup>1</sup> D <sup>1</sup>	
ImageList component for FireMonkey, for storing and manipulating multiple images and sub-images in a single component; several components can more pick their graphical elements from the ImageList, rather than a standalone image	C D	C D	C D
Support for higher resolutions in Camera components	C D	C <sup>1</sup> D <sup>1</sup>	
Android Lollipop specific style enabled by default	C D	C <sup>1</sup> D <sup>1</sup>	
Multi-monitor support for desktop platforms	C D	C D	C <sup>5</sup> D <sup>5</sup>
Accessibility support for FireMonkey desktop platforms, including JAWS on Windows and VoiceOver on macOS (available as a separate download)	C D	C D	C <sup>5</sup> D <sup>5</sup>
Immersive full screen mode on Android 4.4 (KitKat) and above	C D	C <sup>1</sup> D <sup>1</sup>	
Splash screen support for Android, with specific project options matching the iOS ones	C D	C <sup>1</sup> D <sup>1</sup>	
Form-level multi-touch support for all platforms	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
Tint support for buttons and toolbars on iOS and Android (for control surface and controls icons)	C D	C <sup>1</sup> D <sup>1</sup>	
In-app purchase component for iOS and Android, to help monetize your applications	C D	C <sup>1</sup> D <sup>1</sup>	
Advertising component for iOS and Android, including AdMob support based on the Google Mobile Ads SDK, also to help you monetize your mobile applications	C D	C <sup>1</sup> D <sup>1</sup>	
Push notifications support for mobile platforms, to receive remote notifications even if the app is not running	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Enhanced in 10.2 Tokyo!</b> FireMonkey support for AppTethering across desktop and mobile applications, including both Wifi and Bluetooth support	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Enhanced in 10.1 Berlin!</b> AppTethering extensions and protocol enhancements, including encryption hooks and events to handle when a profile is connected or disconnected	C D	C D	
Native message alerts for iOS and Android	C D	C <sup>1</sup> D <sup>1</sup>	
Custom Pickers for iOS and Android, including Date Picker (DateEdit component) and Time Picker	C D	C <sup>1</sup> D <sup>1</sup>	
Time Picker for Windows and macOS	C D	C <sup>1</sup> D <sup>1</sup>	C <sup>5</sup> D <sup>5</sup>
Phone Dialer Support for iOS and Android	C D	C <sup>1</sup> D <sup>1</sup>	
Built-in text editing mode for Edit and Memo controls on Android, including Cut/Copy/Paste/Zoom	C D	C <sup>1</sup> D <sup>1</sup>	
Built-in Spell Check Support for text input controls on iOS and Android	C D	C <sup>1</sup> D <sup>1</sup>	
Built-in text editing mode for styled Edit and Memo controls on iOS, including Cut/Copy/Paste/Zoom	C D	C <sup>1</sup> D <sup>1</sup>	
InputQuery supporting masked input fields (for password input)	C D	C <sup>1</sup> D <sup>1</sup>	C <sup>5</sup> D <sup>5</sup>

Feature	Enterprise+	Professional	Starter
<b>Enhanced in 10 Seattle!</b> Notification Center Component for using notifications in your iOS and Android applications, including notification sound and now supporting also Windows 10 Notifications	C D	C <sup>1</sup> D <sup>1</sup>	C <sup>5</sup> D <sup>5</sup>
Gesture support for iOS and Android including swipe (pan), tap, tap and hold, double tap and pinch & zoom	C D	C <sup>1</sup> D <sup>1</sup>	
Native iOS application styling for iPhone and iPad (Retina and non-Retina)	C D	C <sup>1</sup> D <sup>1</sup>	
FireMonkey Mobile Application Wizard with header/footer, tabbed, and master detail templates	C D	C <sup>1</sup> D <sup>1</sup>	
Full set of native iOS and Android styling options for buttons, toolbars, list boxes, sliders, switch controls	C D	C <sup>1</sup> D <sup>1</sup>	
Swipe-to-Delete and Pull-to-Refresh on iOS and Android with the ListView component	C D	C <sup>1</sup> D <sup>1</sup>	
Built-in search filtering for ListView on iOS and Android	C D	C <sup>1</sup> D <sup>1</sup>	
Built-in search filtering for ListView on Windows and macOS	C D	C D	C <sup>5</sup> D <sup>5</sup>
WebBrowser component for loading and displaying web content in your iOS and Android applications (now with corresponding desktop component)	C D	C <sup>1</sup> D <sup>1</sup>	C <sup>5</sup> D <sup>5</sup>
Extended ListBox capabilities for iOS and Android, including header/footer/grouped styling, embedded search and expanded LiveBindings support	C D	C <sup>1</sup> D <sup>1</sup>	
Support for various keyboard types on iOS and Android	C D	C <sup>1</sup> D <sup>1</sup>	
TMagnifier component for easily zooming in on images and text	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
TCameraComponent component for accessing the front and back camera, the flash, and more device camera features	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
TabControl with new settings for using tabs as views and a PlatformDefault tab position to automatically adapt tab layout to the current mobile platform	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
Support for TabControl tab icons on Android	C D	C <sup>1</sup> D <sup>1</sup>	
FireMonkey Frames for designing portions of the UI and repeating them on multiple forms	C D	C D	C D
Toggle Device Skin to show/hide mobile device background in the multi-device designer	C D	C <sup>1</sup> D <sup>1</sup>	
FireMonkey Save State feature for persisting the forms status between sessions (and when the program is stopped by the operating system)	C D	C <sup>1</sup> D <sup>1</sup>	
macOS Full screen Mode	C D	C D	
<b>Introduced in 10 Seattle!</b> Use of IFMXDragDropService to drag data to another applications on macOS	C D	C D	
Actions and ActionLists for FireMonkey for better separation of the application logic from the user interface	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
Ready-to-use action for accessing the camera application on iOS and Android	C D	C <sup>1</sup> D <sup>1</sup>	
Ready-to-use action for accessing images from the camera roll on iOS and Android	C D	C <sup>1</sup> D <sup>1</sup>	
Share Sheet support on iOS and Android for sharing content via Messaging, Mail, Facebook, Twitter etc.	C D	C <sup>1</sup> D <sup>1</sup>	
Slide transition action for TTabControl	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
FireMonkey control anchors for flexible positioning and sizing of the visual controls	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
Layout Managers (Flow Layout, Grid Layout) for flexible child controls positioning and sizing	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
Location Services component for GPS or triangulation, including geocoding support	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
Orientation sensor (gyroscope/compass) on iOS and Android	C D	C <sup>1</sup> D <sup>1</sup>	
Orientation sensor (gyroscope/compass) on Windows (requires compatible hardware)	C D	C D	C D
Motion Sensor component for accelerometer access on iOS and Android	C D	C <sup>1</sup> D <sup>1</sup>	
Motion Sensor component for accelerometer access on Windows (requires compatible hardware)	C D	C D	C D
3D File Import Support	C D	C D	C D
macOS native style and high resolution native Retina Style	C D	C D	
Non-Client Area Application Styling for Windows and Mac	C D	C D	C <sup>5</sup> D <sup>5</sup>
Support for Windows gestures	C D	C D	C D
Edit control with stylable glyph with built-in style support for search bar, password control and more	C D	C D	C D
Animated progress glyphs, including Windows ring	C D	C D	C D
StyleLookUp support with preview of available designs for the selected component	C D	C D	C D
Shared external redistributable bitmap style designer for VCL and FMX	C D	C D	C D
FireMonkey bitmap based styles	C D	C D	C D
<b>Introduced in 10.1.2 Berlin!</b> Additional Windows 10 Styles for FireMonkey	C D	C D	C D
<b>Enhanced in 10.2 Tokyo!</b> New FireMonkey styles have been added for macOS and Android, macOS Graphite and Android Wear Dark Blue	C D	C D	C D

Feature	Enterprise+	Professional	Starter
<b>Enhanced in 10 Seattle!</b> Bitmap Style Designer enhancement, including new templates for Windows, Mac OS and Android Lollipop styles, ability to create blank styles for different platforms, and to adjust objects for different graphic resolutions	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
<b>Enhanced in 10.1 Berlin!</b> Significantly improved integrated FireMonkey Style Designer, and enhancement to the TStyleBook component to support a collection of styles for various platforms	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
<b>Introduced in 10 Seattle!</b> StyleViewer for Windows 10 Style in Bitmap Style Designer	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
<b>Introduced in 10 Seattle!</b> Bitmap Links editor, to modifying TBitmapLink properties directly inside the IDE	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
Native UI and custom UI control styles	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
Improved Text and Memo control performance	C D	C D	C D
FireMonkey Visual Form Inheritance	C D	C D	C D
Use one shader language for all rendering libraries (OpenGL or 3D)	C D	C D	C D
On-screen keyboard support for Windows touch devices	C D	C D	C D
<b>VISUAL COMPONENT LIBRARY (VCL)</b>			
Object-oriented, fully extensible and reusable visual component library (VCL) and applications architecture	C D	C D	C D
VCL Form Designer to visually build native Windows applications, with live snap-to hints and layout guidelines	C D	C D	C D
Visual Form Inheritance and Form linking to reduce coding and simplify maintenance	C D	C D	C D
Frames for building and reusing compound components	C D	C D	C D
Object Repository for storing and reusing forms, Data Modules, and experts	C D	C D	C D
<b>Enhanced in 10 Seattle!</b> Object Inspector to set component properties and events	C D	C D	C D
<b>Enhanced in 10.2.2 Tokyo!</b> QuickEdit designers for VCL, including additional items in the designer menu, a new pane for editing common control properties faster, and several other additions to the IDE designer experience	C D	C D	C D
Windows components fully integrated with the Windows API	C D	C D	C D
VCL library source code to help extending and debugging components	C D	C D	
<b>Enhanced in 10.2 Tokyo!</b> High-DPI Awareness and 4K monitors support, plus Windows 8.1/10 multi-monitor support for VCL applications, with dozens of new improvements	C D	C D	C D
<b>Introduced in 10 Seattle!</b> New custom VCL controls corresponding to some of the new Windows 10 UI controls, which can also be used on previous version of Windows	C D	C D	C D
<b>Introduced in 10.2.2 Tokyo! New</b> DatePicker and TimePicker VCL controls	C D	C D	C D
<b>Introduced in 10.2.2 Tokyo! New</b> StackPanel and CardPanel VCL controls	C D	C D	C D
<b>Introduced in 10 Seattle!</b> ActivityIndicator VCL control	C D	C D	C D
<b>Introduced in 10 Seattle!</b> SearchBox VCL control	C D	C D	C D
<b>Introduced in 10 Seattle!</b> RelativePanel VCL control	C D	C D	C D
<b>Introduced in 10 Seattle!</b> ToggleSwitch VCL control	C D	C D	C D
<b>Introduced in 10 Seattle!</b> SplitView VCL control	C D	C D	C D
<b>Introduced in 10.1.2 Berlin!</b> CalendarView and CalendarPicker VCL controls	C D	C D	C D
<b>Introduced in 10 Seattle!</b> Modern looking SelectDirectory function	C D	C D	C D
VCL Font Scaling improvements for higher DPI and higher resolution monitors	C D	C D	C D
VCL sensor components for Windows tablets	C D	C D	C D
VCL support for AppTethering across desktop and mobile applications, with Wifi and Bluetooth support	C D	C D	
<b>Enhanced in 10.1 Berlin!</b> VCL AppTethering extensions and protocol enhancements, including encryption hooks, including events to handle when a profile is connected or disconnected	C D	C D	
Taskbar component with progress bars, overlay icons, custom buttons, and multiple previews	C D	C D	C D
JumpList component for adding custom menus to taskbar buttons	C D	C D	C D
VCL support for the Win64 API on Windows operating system	C D	C D	C D
VCL Styles: Create VCL applications with enhanced GUI	C D	C D	C D
<b>Introduced in 10 Seattle!</b> Windows 10 specific VCL styles, to build applications matching Microsoft's Modern look and feel	C D	C D	C D
<b>Introduced in 10.1.2 Berlin!</b> Additional Windows 10 Styles for VCL	C D	C D	C D
Create your own custom styles with the VCL Style Designer	C D	C D	C D

Feature	Enterprise+	Professional	Starter
Support for styling of main menus, popup menus, and system menus	C D	C D	C D
<b>Introduced in 10 Seattle!</b> VCL Styling improvements, including support for styling common dialogs and the TWebBrowser component	C D	C D	C D
VCL styles including Windows touch tablets optimized styles	C D	C D	C D
<b>Enhanced in 10 Seattle!</b> Premium styles including TabletLight, Sky, and Glow VCL styles	C D	C D	C D
Theming and styling support for TGrid descendants	C D	C D	C D
Integrated gesturing framework with multi-OS support for Windows 8. Gesture Designer enables full control of all gesture design and interaction	C D	C D	C D
Gesture components (TGestureListView, TGesturePreview, TGestureRecorder) to build gesture creation and management into VCL based applications	C D	C D	C D
Interactive multi-touch gestures for pan, zoom, rotate, tap, double tap, tap and hold (requires multi-touch enabled OS)	C D	C D	C D
TTouchKeyboard a virtual keyboard for enhanced non-keyboard interface interactions that support multiple locales and languages	C D	C D	C D
Recently added VCL Components: TCategoryPanelGroup, TButtonedEdit, TLinkLabel, TBalloonHint	C D	C D	C D
Enhancements to existing controls: TButton, TEdit, TProgressBar, TListView, TTreeView, TRichEdit, TImageList	C D	C D	C D
Full support for PNG image format in TImage and TImageList	C D	C D	C D
<b>New in 10.2 Tokyo!</b> TDBImage direct support for JPEG and PNG graphic formats	C D	C D	C D
Icons can be assigned to Bitmaps	C D	C D	C D
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	C D	C D
TImageList support for all graphics formats contained in TImage	C D	C D	C D
Import Component wizard to import a type library, ActiveX control or .NET Assembly	C D	C D	
Component wizard to create the unit for a new component	C D	C D	C D
Standard components including frame, edit, menu, button, label, checkbox, list box, combo box, panel and action list	C D	C D	C D
Additional components including graphical buttons, image, shape, scroll box, splitter, buttoned edit, tabs, panels, action toolbar, and color map	C D	C D	C D
Windows common controls including page control, image list, rich edit, progress bar, date time, calendar, toolbar, tree view and list view	C D	C D	C D
System components including timer, paint box, media player, OLE container and DDE	C D	C D	C D
Dialog components including open, save, open/save picture, open/save text, font, color, print, printer setup, find, replace and page setup	C D	C D	C D
Data Access Controls via datasource and the use of data-aware controls	C D	C D	C D
Data Controls including dbgrid, navigator, text, edit, memo, image, listbox, combo box, checkbox, radiogroup, lookup and rich edit	C D	C D	C D
TWebBrowser support, wrapped on the Microsoft IE ActiveX component	C D	C D	
Task dialog component and enhanced Windows dialog components for file open and file save	C D	C D	C D
<b>COM/DCOM SUPPORT</b>			
Full COM/ActiveX support enabling transparent access to IDL and code, source control friendly, and allowing total control over implementation of COM and ActiveX objects	C D	C D	C D
ActiveX for Win 64	C D	C D	
Wizards support wrapping existing VCL components as ActiveX controls	C D	C D	
Import .NET assemblies as COM objects in Win32 VCL applications	C D	C D	C D
DCOM support	C D	C D	
Legacy support for DataSnap/MIDAS COM/DCOM based multi-tier database application framework	C D		
Advanced Type Library Editor that manages IDL, making COM development completely transparent.	C D	C D	
Support for Automation Object event handling	C D	C D	
Create reusable native 32-bit dynamically linked libraries (.DLL), COM controls (.OCX), and standalone COM executable	C D	C D	C D

Feature	Enterprise+	Professional	Starter
Create reusable native 64-bit dynamically linked libraries (.DLL), COM controls (.OCX), and standalone COM executable	C D	C D	
COM Object Wizard	C D	C D	
Microsoft ActiveX® Control Data binding	C D	C D	
Import COM servers as components	C D	C D	
<b>INTERNET OF THINGS (IOT) SUPPORT</b>			
Native Bluetooth APIs (on platforms that fully support the technology) for FireMonkey and VCL applications	C D	C <sup>3</sup> D <sup>3</sup>	
Bluetooth framework improvements and new TBluetooth component for classic Bluetooth	C D	C <sup>3</sup> D <sup>3</sup>	
<b>Enhanced in 10 Seattle!</b> Bluetooth LE component (on platforms that fully support the technology)	C D	C <sup>3</sup> D <sup>3</sup>	
Proximity support based on the “beacons” technology (including the iBeacon and AltBeacon standards) for iOS, Android, and macOS	C D	C <sup>3</sup> D <sup>3</sup>	
<b>Introduced in 10.1 Berlin!</b> Beacon enhancements with support for EddyStone format, change of AdvertiseData parser to include all fields, improved Beacon scan performance, new Android scan modes, and WinRT Bluetooth API integration, StartScan method on Android	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Introduced in 10 Seattle!</b> New TBeaconDevice class for turning a device on one of the supported platforms into a “beacon”	C D	C <sup>3</sup> D <sup>3</sup>	
BeaconFence components* for detecting a device position relative to pre-determined zones based and based on triangulation of beacons positions (available for download in the GetIt Package Manager) <i>* BeaconFence solutions have a free deployment level, while deployment in larger locations or with more beacons requires a separate runtime license</i>	C D	C <sup>3</sup> D <sup>3</sup>	
<b>Introduced in 10.1 Berlin!</b> BeaconFence enhancements for detecting zones, Windows support, customized calculation of the current position, access last calculated position	C D	C <sup>3</sup> D <sup>3</sup>	
<b>Introduced in 10.1 Berlin!</b> New Bluetooth LE and Z-Wave compatible components for Internet of Things devices. Each device component includes demo projects for Delphi and C++ that will automatically get opened after installing the component. In order to use the component, you will need to have the physical IoT device. The components are available for download in the GetIt Package Manager.	C D	C <sup>3</sup> D <sup>3</sup>	
<b>Introduced in 10.1 Berlin!</b> Heart Rate Monitor Bluetooth LE Components, including Generic Heart Rate Monitor, Jarv Premium Bluetooth 4.0 Smart Heart Rate Monitor, POLAR H7 Bluetooth Smart Heart Rate Sensor, Adidas miCoach Heart Rate Monitor, Wahoo TICKR Heart Rate Monitor, Zephyr HxM Smart Heart Rate Monitor, Pafers HR-Kit Plus Heart Rate Monitor, Runtastic Heart Rate Combo Monitor, LifeTrak Core C300 Fitness Tracker	C D	C <sup>3</sup> D <sup>3</sup>	
<b>Introduced in 10.1 Berlin!</b> Blood Pressure Monitor Bluetooth LE Components, including Generic Blood Pressure Monitor, Pyle Blood Pressure Monitor, A&D Medical Deluxe Connected Blood Pressure Monitor, Samico Arm Type Blood Pressure Monitor	C D	C <sup>3</sup> D <sup>3</sup>	
<b>Introduced in 10.1 Berlin!</b> Weight Scale Bluetooth LE Components, including Pyle Scale, Wahoo Scale, Taylor Smart Scale, Weight Gurus Smart Scale	C D	C <sup>3</sup> D <sup>3</sup>	
<b>Introduced in 10.1 Berlin!</b> Thermometer Bluetooth LE Components, including Pyle Bluetooth Smart Ear and Body Wireless Thermometer, Samico Infrared Forehead Thermometer	C D	C <sup>3</sup> D <sup>3</sup>	
<b>Introduced in 10.1 Berlin!</b> Environment Sensor Bluetooth LE Components, including Tempo Wireless Environment Monitor and Weather Station Texas Instruments SensorTag, Texas Instruments BLE Gas Sensor Platform for Carbon Monoxide Sensor	C D	C <sup>3</sup> D <sup>3</sup>	
<b>Introduced in 10.1 Berlin!</b> Speed and Cadence Fitness Monitor Bluetooth LE Components, including Polar Speed, Distance and Stride Sensor, Jarv Cycling Speed and Cadence Sensor, Wahoo Blue SC Speed and Cadence Sensor, i-got U Speed and Cadence Sensor, Polar Speed and Cadence sensor, PowerTap Speed and Cadence Sensor, Runtastic Speed and Cadence Sensor, Scosche Rhythm Bluetooth Speed and Cadence sensor, Transport Speed and Cadence Sensor	C D	C <sup>3</sup> D <sup>3</sup>	
<b>Introduced in 10.1 Berlin!</b> Item Tracker Bluetooth LE Components, including BiiSafe Buddy Key and Item Finder and Pally Smart Key Finder	C D	C <sup>3</sup> D <sup>3</sup>	
<b>Introduced in 10.1 Berlin!</b> Other BLE Bluetooth LE Components, including Myo Gesture Control Armband and Yee Light Bulb	C D	C <sup>3</sup> D <sup>3</sup>	
<b>Introduced in 10.1 Berlin!</b> Environment Sensor Z-Wave compatible components, including Aeon Labs Multi-Sensor - Z-Wave, Everspring Water/Flood Sensor - Z-Wave, Everspring Temperature/Humidity Sensor - Z-Wave, First Alert Smoke and Carbon Monoxide Alarm – Z-Wave, Fortrezz SSA2USR Siren Strobe Alarm Wireless Red Lense – Z-Wave, Fibaro Window Sensor – Z-Wave	C D	C <sup>3</sup> D <sup>3</sup>	
<b>Introduced in 10.1 Berlin!</b> Home Automation Z-Wave compatible components, including Kwikset Door Lock – Z-Wave, Yale Security Deadbolt – Z-Wave, Schlage Camelot Deadbolt – Z-Wave, Aeon Labs Smart Switch – Z-Wave, Aeon Labs Light Bulb – Z-Wave, LinearLinc LED Light Bulb – Z-Wave, Evolv Wall Mounted Switch – Z-Wave, GE Wireless Smart Plug – Z-Wave, Leviton 15-Amp Scene Capable Switch – Z-Wave, Schlage Home Dimmer Module – Z-Wave, Honeywell Thermostat – Z-Wave, Trane Home Energy Management Thermostat – Z-Wave	C D	C <sup>3</sup> D <sup>3</sup>	

Feature	Enterprise+	Professional	Starter
<b>VISUAL LIVEBINDINGS</b>			
Visually connect component properties and data	C D	C D	
Easily replace prototype data with real ClientDataSet data with one click	C D	C D	
Context sensitive LiveBindings Wizard supporting both dbExpress and FireDAC	C D	C D	
Support for QuickBinding components	C D	C D	
Ability to visually add and bind to additional component properties	C D	C D	
Color coded component properties easily identify bindable members	C D	C D	
Zoom control for Visual LiveBindings Designer	C D	C D	
Ability to save image of current LiveBindings Designer layout	C D	C D	
Hide visual elements on right-click	C D	C D	
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	C D	
Easily launch the LiveBindings Designer with the right-click 'Bind Visually' command on the form designer	C D	C D	
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	C D	
<b>INTEGRATED BUILD TOOLS AND PROJECT SUPPORT</b>			
<b>New in 10.2.2 Tokyo!</b> Styled IDE UI, including ability to toggle and disable IDE styling	C D	C D	C D
<b>New in 10.2.2 Tokyo!</b> IDE UX improvements including a new Welcome page with sample projects, upcoming webinars, YouTube videos feed; additional IDE Startup Layout for the Welcome Page; updated component icons; and more	C D	C D	C D
IDE support for building and managing projects for 32-bit Windows	C D	C D	C D
IDE support for building and managing projects for 64-bit Windows	C D	C D	
<b>New in 10.2 Tokyo!</b> IDE support for building and managing projects for 64-bit Linux	D		
IDE support for building and managing projects for macOS and targeting macOS builds for macOS App Store	C D	C D	
<b>Enhanced in 10.1 Berlin!</b> Use MSBuild externally from the IDE to compile very large projects with the stand-alone Delphi and C++ compilers.	C D	C D	
<b>New in 10.2 Tokyo!</b> The stand-alone Delphi compilers can now use the large memory address space.	D	D	
FireMonkey application wizards and templates	C D	C D	C D
<b>Introduced in 10.1 Berlin!</b> The IDE shows Header Dependencies when building with bcc32c	C	C	C
Define Android application settings, including supported orientations, and use the new Entitlement lists to include advertising and notifications support in an app	C D	C <sup>1</sup> D <sup>1</sup>	
IDE support for adding Java classes to an Android app classes.dex library and customizing it	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Enhanced in 10.1 Berlin!</b> Support for Android Services in the IDE, including wizards to create Android Services and to add them to an existing Android app	D	D <sup>1</sup>	
<b>Enhanced in 10.1 Berlin!</b> Java2OP (Java to Object Pascal bridge) API headers translation tool (for Android), improved to reduce dependency between units and to supports JDK 8	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Introduced in 10.1 Berlin!</b> Java2OP now works with Java 8. Improved Java2Op and Java Bridge	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Introduced in 10.1 Berlin!</b> SdkTransform tool to convert Objective-C / C++ headers to Object Pascal headers	D	D	
Define info.plist application settings including supported orientations in the IDE	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Enhanced in 10.1 Berlin!</b> Deploy apps to the iOS Device (Debug/Ad Hoc/ App Store), now with several iOS device provisioning improvements to simplify the deployment process – including Auto Bundle identifier and support for executing an application from the IDE using the AdHoc target	C D	C <sup>1</sup> D <sup>1</sup>	
Define iOS application splash screens and mobile app icons in the IDE	C D	C <sup>1</sup> D <sup>1</sup>	
Deploy apps to Android devices (Debug/App Store)	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Enhanced in 10.2 Tokyo!</b> Platform Assistant for deploying and debugging across platforms	C D	C D	
<b>New in 10.2 Tokyo!</b> Platform Assistant (PAServer) for the Linux platform	D		
Platform Assistant Manager Mac macOS tray app that helps managing multiple versions of Platform Assistant (PAServer)	C D	C D	
<b>New in 10.2 Tokyo!</b> Deployment Manager: Deploy to Linux	D		



Feature	Enterprise+	Professional	Starter
Deployment Manager: Deploy to iOS and Android	C D	C <sup>1</sup> D <sup>1</sup>	
Deployment Manager: Deploy to macOS, 32-bit Windows and 64-bit Windows	C D	C D	C <sup>5</sup> D <sup>5</sup>
Automatic inclusion of project files (like media files and resource files) to the Deployment Manager	C D	C D	
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	C D	C D
File manipulation and creation through the Project Manager facilities	C D	C D	C D
Flexible build system leveraging MSBuild with identical build process from the IDE or command line	C D	C D	C D
<b>Enhanced in 10.2 Tokyo!</b> Delphi 1 through 10.1 Berlin project import and C++Builder 3 through 10.1 Berlin project import	C D	C D	C D
Build Configurations provide flexibility to organize multiple build settings for all compiler, linker options, and platform support	C D	C D	C D
Named option sets to save and apply build configurations to any project	C D	C D	C D
Share option-sets between build configurations and between projects	C D	C D	C D
Multi-select files in the Project Manager	C D	C D	C D
File Browser – Windows shell integrated into the IDE	C D	C D	C D
Build Events for pre-build and post-build on project and file levels	C D	C D	C D
Project dependency checking	C D	C D	C D
IDE Studio personality indicator – shows which is active when multiple languages are available	C D	C D	C D
Project level build ordering	C D	C D	C D
Build/Make from here – Make or build current project and all later projects	C D	C D	C D
Additional command line tools include Microsoft Resource Compiler, TDump utility to structurally analyze EXE, OBJ, and LIB files, GREP tool, and MAKE tool	C D	C D	C D
<b>RECENT C++ LANGUAGE AND CORE RTL FEATURES</b>			
<b>Enhanced in 10.2 Tokyo!</b> Improved optimizations for C++ Clang-enhanced compilers code generation (-O1 and -O2 and now also -O3 optimizations)	C	C	C
Simplified array initialization and construction for C++ Clang-enhanced compilers	C	C	C
<b>Enhanced in 10.1 Berlin!</b> Android and iOS32 compilers updated to Clang version 3.3	C	C <sup>1</sup>	
<b>Enhanced in 10.1 Berlin!</b> The Clang-enhanced compilers are now large-address aware and can take advantage of additional memory	C	C <sup>1</sup>	C <sup>5</sup>
<b>Introduced in 10.1 Berlin!</b> Additional iterator wrappers over common Delphi RTL containers for all Clang-enhanced compilers for use with C++11 range-for loops and non-member std::begin() and std::end()	C	C	C
<b>Introduced in 10.1 Berlin!</b> C++ functions for TPoint, TPointF, TRect, TRectF core types	C	C	C
ANSI/ISO C++11 and 99 Standard language conformance and Boost support for 64-bit	C	C	C <sup>5</sup>
#pragma once support that allows for better compatibility with MSVC and also acts as a header guard	C	C	C
[[deprecated]] attribute to flag constructs as deprecated	C	C	C
Secure C library functions	C	C	C
Custom evaluators for C++ Strings types	C	C	C
C++ RTTI compatibility with Delphi	C	C	C
Dinkumware STL for Win64	C	C	
Boost Libraries for Win32, Win64, and macOS (available for download in the GetIt Package Manager)	C	C	
Updated STL support on iOS	C	C <sup>1</sup>	
Dinkumware STL with iterator debugging	C	C	C
ANSI/ISO standard library Technical Report 1	C	C	C
Improved standard C++ heap manager	C	C	C
Optimized string/memory handling functions	C	C	C
UnicodeString class and Unicode character types char16_t and char32_t	C	C	C
Move semantics with rvalue references	C	C	C
Explicit conversion operators	C	C	C
Static assertions	C	C	C
Full type trait support	C	C	C

Feature	Enterprise+	Professional	Starter
Extern templates	C	C	C
[[final]] and [[noreturn]] attributes	C	C	C
Decltype keyword	C	C	C
Linker error handling to improve memory management flexibility and resolution	C	C	C
<b>New in 10.2 Tokyo!</b> Large-memory space support for C++ linker and improved resource handling to address heap errors	C	C	C
<b>RECENT DELPHI LANGUAGE AND CORE RTL FEATURES</b>			
<b>Enhanced in 10.1 Berlin!</b> Support for calling WinRT APIs, thought over 40 specific Object Pascal interface units, with support for arrays/collections	D	D	D
<b>Introduced in 10.1 Berlin!</b> [Weak] and [Unsafe] support for interface references for the Windows and OSX Delphi compilers	D	D	D <sup>5</sup>
<b>Introduced in 10.1 Berlin!</b> [Volatile] attribute can be attached to a method parameters and local variables	D	D	D
<b>Enhanced in 10.1 Berlin!</b> Delphi compiler and linker performance improvements to improve compilation speed for generic methods and generic methods in standard classes	D	D	D
Improved initialization for dynamic arrays, support for mixing and matching constant and dynamic arrays	D	D	D
New string-like operations on dynamic arrays including + operator concatenation, Insert and Delete	D	D	D
Class, record, and intrinsic types helpers	D	D	D
Predefined helpers for core types such as string, char, integer, other ordinal types, and floating point types	D	D	D
RTTI for indexed properties and RTL support	D	D	D
Reflection support for exposure of Methods, Fields, and Properties to support dynamic invocations and other meta-programming approaches (Enhanced RTTI)	D	D	D
Custom attribute support for most code elements – types, fields, properties, methods, and parameters	D	D	D
Generics with full RTL list and collection support	D	D	D
UnicodeString type as the default string type and support for Unicode char manipulation	D	D	D
Anonymous methods (or closures)	D	D	D
Compiler option to treat warnings as errors	D	D	D
<b>SHARED RUNTIME LIBRARY FEATURES</b>			
<b>New in 10.2 Tokyo!</b> Delphi RTL for 64-bit Linux	D		
Delphi and C++ RTL for 32-bit Windows	C D	C D	C D
Delphi and C++ RTL for 64-bit Windows	C D	C D	
Delphi and C++ packages support for 32-bit applications and 64-bit Windows	C D	C D	C <sup>5</sup> D <sup>5</sup>
<b>Introduced in 10 Seattle!</b> Support for Windows 10 Notifications using the NotificationCenter component	C D	C D	C <sup>5</sup> D <sup>5</sup>
<b>Introduced in 10 Seattle!</b> Support for contracts, the system mechanism for sharing information with other Windows 10 applications (apps can behave like <i>contract sources</i> ) using the new SharingContract component – C++ supported in the GetIt Package Manager	C D	C D	C D
Parallel Programming library for easy development of asynchronous code and faster multi-core applications, without coding threads manually	C D	C D	C D
System.Threading unit supporting parallel for loops, tasks scheduling and futures	C D	C D	C D
Automatic Reference Counting in iOS and Android ARM compilers	C D	C <sup>1</sup> D <sup>1</sup>	
Optimized Unicode strings handling in iOS and Android ARM compilers	C D	C <sup>1</sup> D <sup>1</sup>	
<b>New in 10.2 Tokyo!</b> Automatic Reference Counting in the Linux compiler	D		
<b>Introduced in 10.1 Berlin!</b> Support for string types UTF8String and RawByteString on iOS and Android	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Enhanced in 10 Seattle!</b> Delphi and C++ RTL for macOS (including enhanced macOS C++ exceptions handling)	C D	C D	
Delphi and C++ RTL for iOS	C D	C <sup>1</sup> D <sup>1</sup>	
iOS 64-bit API headers and RTL integration for Delphi and C++	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Enhanced in 10.1 Berlin!</b> Delphi and C++ RTL for Android, with support for Android 6.0 (API level 23)	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Introduced in 10.1 Berlin!</b> DirectX 12 support on Windows	C D	C D	C D
OpenGL 4.3 support	C D	C D	C D

Feature	Enterprise+	Professional	Starter
Enhanced compiler switches for XML representation of source code	C D	C D	C D
Extensible, cross platform, framework agnostic login credentials service	C D	C D	C D
<b>Enhanced in 10 Seattle!</b> Native zip file support. TZipFile class now has a callback to use during the extraction process to know the current progress	C D	C D	C D
Regular Expressions (Regex) library	C D	C D	C D
Object-oriented path, file and directory I/O classes	C D	C D	C D
<b>Introduced in 10.1 Berlin!</b> Buffered file read and write support, based on the TBufferedFileStream class, a high performance TFileStream descendant based on an internal configurable buffer	C D	C D	C D
<b>Enhanced in 10.1 Berlin!</b> TMemIniFile and TIniFile have new Modified and AutoSave properties	C D	C D	C D
<b>Introduced in 10.1 Berlin!</b> TString enhancements including new properties IsUpdating, TrailingLineBreak, UseLocale, Options, plus overloaded TStringList constructors and AddPair fluent method	C D	C D	C D
<b>Introduced in 10.1 Berlin!</b> System.Zip.TZipFile: support added to extract ZIP files with passwords	C D	C D	C D
<b>Enhanced in 10.1 Berlin!</b> StringReplace and Pos speed optimization	C D	C D	C D
Box2D physics engine, for manipulating on-screen objects according to the rules of physics	C D	C <sup>3</sup> D <sup>3</sup>	
Object Pascal interfaces for the Box2D physics engine	D	D <sup>3</sup>	
TStringBuilder for easier and faster string concatenation	C D	C D	C D
<b>Introduced in 10 Seattle!</b> JSON (JavaScript Object Notation) processing using a JSON.NET implementation for JSON streaming with new readers and writers (including base TJsonReader and TJsonWriter classes)	C D	C D	C D
<b>Introduced in 10 Seattle!</b> Specialized JSON readers and writers, including the new TJsonTextReader and TJsonTextWriter classes, and support for Extended JSON	C D	C D	C D
<b>Introduced in 10 Seattle!</b> Binary JSON (BSON) readers and writers support, as part of the same JSON.NET architecture (including the new TBsonReader and TBsonWriter classes)	C D	C D	C D
<b>Introduced in 10 Seattle!</b> JSON and BSON fluent method builders, including the TJSONArrayBuilder and TJSONObjectBuilder classes	C D	C D	C D
<b>Introduced in 10 Seattle!</b> JSON and BSON fast forward-only iterator (TJSONIterator)	C D	C D	C D
New System.NetEncoding RTL unit for Web encoding and decoding (Base64, HTML, URL)	C D	C D	C D
<b>Enhanced in 10.2 Tokyo!</b> System.Hash RTL unit, with hash functions to support the HTTP framework, now including also method for files hashing	C D	C D	C D
<b>Enhanced in 10.2 Tokyo!</b> HTTP client framework, mapped to platforms libraries on all supported platforms, including also platform HTTPS support (with no need to deploy the OpenSSL library), with improved asynchronous support	C D	C <sup>3</sup> D <sup>3</sup>	C <sup>5</sup> D <sup>5</sup>
NetHttpClient and NetHttpRequest components, offering easy access to the HTTP client framework	C D	C D	C D
Support for native HTTP(S) client libraries on Windows	C D	C D	C D
Support for native HTTP(S) client libraries on macOS	C D	C D	
Support for native HTTP(S) client libraries on mobile platforms (iOS and Android)	C D	C <sup>1</sup> D <sup>1</sup>	
<b>New in 10.2 Tokyo!</b> Support for native HTTP(S) client libraries on Linux	D		
<b>Enhanced in 10.1 Berlin!</b> HTTP client library improvements including support for asynchronous HTTP requests, time-outs, and automatic decompression of gzip content	C D	C D	C D
Support for localized resources	C D	C D	C D
Scoped enumerations	C D	C D	C D
Expression evaluation in compiler directives	C D	C D	C D
Custom variants with support of your own data types, complex numbers, safe arrays, and passing variants through data sets	C D	C D	C D
Variant support for Int64, unsigned types and Unicode strings	C D	C D	C D
<b>INTEGRATED DEVELOPMENT ENVIRONMENT AND DEVELOPER PRODUCTIVITY</b>			
<b>Introduced in 10.1 Berlin!</b> The VCL and FireMonkey Designers can be separated from the code editor window, making it possible to have the designer on one monitor, while coding on another monitor, and to work on multiple forms at the same time	C D	C D	C D
<b>Introduced in 10.1 Berlin!</b> Delphi project option "Show general messages" to show info messages when building a project	D	D	D
<b>Introduced in 10.1 Berlin!</b> The C++ Structure Parser has been rewritten and includes support for C++11	C	C	C
<b>Introduced in 10.1 Berlin!</b> Method Toxicity Metrics	D	D	D

Feature	Enterprise+	Professional	Starter
<b>Introduced in 10.1 Berlin!</b> Bookmarks stack	C D	C D	C D
<b>Introduced in 10.1 Berlin!</b> Selection Expansion	C D	C D	C D
<b>Introduced in 10.2 Tokyo!</b> New modular View menu, re-arranged with subsections	C D	C D	C D
<b>Introduced in 10 Seattle!</b> IDE built with large memory address model, to provide significantly more memory to the embedded compilers, integrated debuggers, and various tools executed in the IDE process	C D	C D	C D
<b>Introduced in 10 Seattle!</b> Redesigned compiler unit caching mechanism, to free older units in case the available memory is begin filled up, when compiling project groups with multiple projects	C D	C D	C D
<b>Introduced in 10 Seattle!</b> Improved multi-monitor support in the IDE, with the ability to place most forms and panes on different secondary monitors	C D	C D	C D
<b>Introduced in 10 Seattle!</b> Form designer option to hide/show non-visual controls icon (reducing form design potential clutter)	C D	C D	C D
<b>Introduced in 10 Seattle!</b> Structure View Icons representing the corresponding component	C D	C D	C D
<b>Introduced in 10 Seattle!</b> Unsaved file auto-recovery – unsaved work is periodically saved to a temporary location. If the IDE closes ungracefully (because of a system crash) the IDE will attempt to recover the user's unsaved work	C D	C D	C D
<b>Enhanced in 10.2 Tokyo!</b> Enhanced IDE Project Options to easily enable High-DPI Awareness in your applications, now supporting also several execution levels affecting the project manifest file on Windows	C D	C D	C D
<b>Introduced in 10 Seattle!</b> Full customization of the Object Inspector layout, with the ability of hiding the description panel, the quick actions, and the new filter panel	C D	C D	C D
<b>Introduced in 10 Seattle!</b> Object Inspector contents can be filtered to display specific elements	C D	C D	C D
Community Toolbar	C D	C D	C D
<b>Introduced in 10 Seattle!</b> Shortcuts to increase/decrease the size of the font in the code editor	C D	C D	C D
<b>Enhanced in 10.1 Berlin!</b> GetIt Library Manager for easy discovery, download and update of source code libraries, components, and other features from Embarcadero GetIt servers*. Extended with Categories, UI improvements, and new actions * Use of GetIt requires Internet connectivity. The feature is not available to off-line developers.	C D	C D	C D
Configuration settings migration tool, to migrate configurations of older versions of the product to a newer version, or between different installations of the same version	C D	C D	C D
<b>Enhanced in 10.1 Berlin!</b> Welcome page with a list of favorite and recent projects	C D	C D	C D
<b>Enhanced in 10 Seattle!</b> Project statistics information for activity tracking and to better understand team productivity	C D	C D	
<b>Enhanced in 10 Seattle!</b> Clipboard history, keeping track of the content of past cut and copy operations, to paste it once more	C D	C D	
<b>Enhanced in 10 Seattle!</b> Multi-paste support to let you perform the same paste operation on multiple source code lines at once	C D	C D	
<b>Enhanced in 10 Seattle!</b> Structural highlighting	C D	C D	
<b>Enhanced in 10 Seattle!</b> Flow control highlighting, to visually see the flow jumps in your code directly in the editor	D	D	
<b>Enhanced in 10.1 Berlin!</b> Code navigation toolbar with classes and methods combo boxes at the top of the editor, with an additional option to hide it	C D	C D	
<b>Enhanced in 10 Seattle!</b> Integrated smart keys	C D	C D	
<b>Enhanced in 10 Seattle!</b> Smart symbol search	D	D	
Project Manager enhancements, with the support for adding database files and simplifying their deployment	C D	C D	C D
<b>Enhanced in 10.2 Tokyo!</b> New install experience based on the GetIt architecture; with the ability to select the platforms to install and add more platforms later form the IDE (which has a Platforms Manager option in the Tools menu). Additional installation features are now available in the regular GetIt form. Now supporting parallel downloads to reduce installation time.	C D	C D	C D
<b>Enhanced in 10 Seattle!</b> A set of examples and demos to help new and existing developers get the most out of the environment	C D	C D	C D
Object Gallery Descriptions pane that gives better understanding to the wizard or feature	C D	C D	C D
Designer snapshots – copy form images to the clipboard	C D	C D	C D
IDE Insight, the fastest way to find and execute commands in the IDE with 1-button click also with object inspector property support	C D	C D	C D
Toolbar for IDE Insight search box, for searching in the entire IDE (menus, options, components, files) with few keystrokes	C D	C D	C D
Code Formatter and beautification for source code including block formatting	C D	C D	

Feature	Enterprise+	Professional	Starter
Command-line Code Formatter for integration with automated build processes	C D	C D	
Code Formatter profiles allow users to create / save / load custom formatter options sets	C D	C D	
Audits and metrics	D	D	
Audits for C++	C	C	
Search for Usages command now available from the code editor and Delphi Class Explorer context menus	D	D	
Find Definitions/References in Clang-based C++ compilers (C++ Indexer), supporting the Navigate To command	C	C	
Compilation can be done in a background thread	C D	C D	C D
<b>Introduced in 10 Seattle!</b> Support for C++ parallel compilation	C	C	C
Checkbox for Boolean types in the Object Inspector greatly enhancing readability	C D	C D	C D
Property Editors for Date properties now use Calendar controls	C D	C D	C D
Added capabilities and configuration to the File   Reopen project dialog	C D	C D	C D
Use Unit interaction capabilities increased	D	D	D
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 D	C D	
Resource Manager greatly simplifies the addition of resources to projects	C D	C D	C D
Alpha channels in icons	C D	C D	C D
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	C D	
Editor “Change Bar” indicates modified lines and saved modified lines	C D	C D	C D
“Smart” Block completion – anticipates and gracefully adds block closures as you type	C D	C D	C D
Virtual form positioner for VCL designer	C D	C D	C D
Virtual form positioner for FireMonkey designer	C D	C D	C D
Main toolbar with the addition of Run without Debug option	C D	C D	C D
Project Manager now has the ability to run selected applications with either Run or Run without Debug from the context menu.	C D	C D	C D
Hot-key Tool Palette w/ Incremental search – find any component quickly	C D	C D	C D
Gallery in Tool Palette – find gallery wizards when you need them	C D	C D	C D
SyncEdit – block-edit multiple instances of a symbol simultaneously	C D	C D	C D
History Manager with automatic multi-level file backups, file differencing and restore	C D	C D	C D
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	C D	C D
Syntax Highlighting Open Tools API extension with built in support for JavaScript, PHP, and INI files	C D	C D	C D
Ability to individually customize editor options for particular file types	C D	C D	C D
Full-featured Open Tools API allows for customization of the IDE through wizards and experts.	C D	C D	C D
Symbol Insight – click to navigate to declarations and implementations	C D	C D	
Code Insight for C++ and Object Pascal languages, offering code and parameter completion providing on-the-fly member lists and parameter hints as you type	C D	C D	C D
Code Insight – Code completion for DTD described markup language including HTML, WML, XHTML, and XSL	C D	C D	
Code Folding configuration and properties	C D	C D	
Editor Gutter – easier to read with less clutter	C D	C D	C D
Code Completion for Object Pascal	D	D	D
<b>Enhanced in 10 Seattle!</b> Significantly faster engine for Code Completion for the C++ language	C	C	C
Code Completion for HTML, XHTML, XSL, and CSS	C D	C D	
Class Completion	D	D	
Custom IDE desktop layout profiles with enhanced support for docked windows	C D	C D	C D
To-do lists keep your development on track	C D	C D	
Crash recovery reporting, enables Embarcadero to understand complex IDE crashes to better serve our customers	C D	C D	C D
Help Insight – convenient tooltips provide help snippets as you develop	C D	C D	C D

Feature	Enterprise+	Professional	Starter
<b>Enhanced in 10 Seattle!</b> Open Tools API to access and customize various features of the IDE, adding new wizards, operate on projects and their various modules, access to the editor and designers, and many other features	C D	C D	C D
<b>SOURCE CODE MANAGEMENT</b>			
Version Insight – Integrated framework for supporting source code management tooling inside the IDE	C D	C D	C D
Subversion integration into the IDE, including change list labels, SVN merge dialog, branches switching and more	C D	C D	C D
Subversion/History integration	C D	C D	C D
A full default Diff viewer	C D	C D	
<b>Enhanced in 10 Seattle!</b> Updated Subversion libraries to 1.8.13	C D	C D	C D
<b>Enhanced in 10 Seattle!</b> Git version control integration into the IDE, now including authentication, Push and Pull changes to and from remote repositories	C D	C D	C D
Mercurial version control integration into the IDE (supports cloning your remote repository, commit changes locally, show log data)	C D	C D	C D
Version Insight also available as an open source project	C D	C D	C D
<b>INTERNATIONAL DEVELOPMENT</b>			
Unicode-enabled development environment	C D	C D	C D
Unicode-enabled VCL and FMX frameworks	C D	C D	C D
UnicodeString type	C D	C D	C D
Resource DLL Wizard to create Win32 resource DLLs for localization	C D	C D	
English, German, French, and Japanese translations available for IDE menus and dialogs, compiled units, resources, and source code	C D	C D	C D
Easy switching between languages for the IDE menus, dialogs, and more...	C D	C D	
Integrated Translation Environment (ITE) to view and edit VCL forms and resource strings	C D	C D	
External Translation Manager (ETM) to view and edit language resource files outside the IDE	C D	C D	
Translation Repository provides a database for translations that can be shared across projects	C D	C D	
<b>REFACTORINGS</b>			
<b>Introduced in 10 Seattle!</b> Prototype synchronization – as you change the prototype for a function, you can use this feature to synchronize the interface and implementation sections to match (Object Pascal language only)	D	D	
Extract method and change parameters refactoring, including support for generic types	D	D	
Rename refactoring	D	D	
Refactor driven Find References	D	D	
Other refactorings include: Introduce Variable, Introduce Field, Inline Variable, Safe Delete, Push Members Up / Down, Pull Members Up, Extract Superclass, Extract Interface, Move Members, Declare variable, Declare field, Find unit/import namespace, Extract to resource string	D	D	
Refactor driven “Find in Files”	D	D	
<b>UML MODELING</b>			
UML Code Visualization – at any time, get a UML model view of your source code	D	D	
Object Pascal code generation from class diagram	D	D	
Object Ancestry; show an object full hierarchy	D	D	
Automatic Sequence diagrams generation support	D	D	
Ability to load an image into the diagram for annotations and advanced documentation	D	D	
Sequence diagrams	D		
Collaboration diagrams	D		
State charts	D		
Deployment diagrams	D		
Use case diagrams	D		

Feature	Enterprise+	Professional	Starter
Activity diagrams	D		
Component diagrams	D		
Documentation generation	D		
Run Documentation generation from the command-line	D		
80+ Static Code Metrics that allow for deep understanding and analysis of the health of the object domain	D		
Kiviat graph enhancements for interactive reporting	D		
10+ introductory level static code Metrics for understanding the health of the object diagram		D	
Run static Metrics from the command-line	D		
10 introductory level static code audits for better code understanding		D	
200+ Static Code Audits for deep code analysis to better understand the coding style and approach	D		
Pointer Analysis for Audits	D		
Run static Audits from the command-line	D		
Import model from Rational® Rose (mdl import)	D		
Language neutral UML 1.5 modeling	D		
Language neutral UML 2.0 modeling	D		
Transformation from language neutral UML 1.5 and UML 2.0 projects to source code projects	D		
Design Patterns support, including GOF patterns	D		
Diagram printing	D	D	
XMI 1.1 Import/Export	D		
Full two-way class diagrams with synchronization between code and diagrams	D		
OCL 2.0 support	D	D	
"UML in Color" profile	D	D	
Diagram hyper-linking and annotations	D	D	
<b>INTEGRATED DEBUGGING</b>			
Full-featured debugger with color syntax highlighting	C D	C D	C D
Debug remote and local 64-bit Windows applications	C D	C D	
Debug remote macOS applications	C D	C D	
Remote iOS device debugging	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Introduced in 10 Seattle!</b> Remote iOS 64-bit device debugging	C D	C <sup>1</sup> D <sup>1</sup>	
Android device debugging	C D	C <sup>1</sup> D <sup>1</sup>	
<b>New in 10.2 Tokyo!</b> Remote Linux 64-bit debugging	D		
<b>Enhanced in 10.2 Tokyo!</b> Improved debugging support for Clang-enhanced C++ compilers for Win32 and Win64	C	C	
<b>Enhanced in 10.1 Berlin!</b> Support for Delphi Unicode string evaluation, for evaluating properties and variants and function call support when debugging iOS64 applications	C D	C D	
<b>Enhanced in 10.1 Berlin!</b> CPU View support for iOS and Android application debugging along with support for Delphi Dynamic Arrays	C D	C D	
Debugging visualizers to enable extended views of debugging data	C D	C D	
Build debugger visualizers for your own custom data types	C D	C D	
Debug visualizer for TString types	C D	C D	
Debug visualizers for TDateTime, TDate, and TTime	C D	C D	
Detach from "Debug session in progress. Terminate?" dialog	C D	C D	C D
Multi-threaded-debugging the ability to selectively "Freeze" and "Thaw" threads	C D	C D	
Multi-threaded-debugging the ability to set a breakpoint for a selected thread	C D	C D	
Support for Wait Chain Traversal on Windows	C D	C D	
Disassembly pane has "Show Opcodes" and "Show Addresses" local menu items	C D	C D	C D
Debugger Options: "Scroll new events into view" and "Ignore non-user breakpoints"	C D	C D	
Call Stack View shows a glyph indicating if the frame has debug info	C D	C D	
CPU view panes can be opened individually outside of an editor tab	C D	C D	

Feature	Enterprise+	Professional	Starter
Integration between debugger views and panes making it easier to find and understand information	C D	C D	
Call Stack view now automatically syncs the Locals view when you double click an item	C D	C D	
Evaluator tooltip hints go transparent when the CTRL key is pressed, allowing you to see through them to the editor	C D	C D	
Expandable tooltip expression evaluation	C D	C D	
Expandable watches	C D	C D	
Expandable local variables view	C D	C D	
Selective symbol table loading	C D	C D	
Close implicitly opened files after debugging	C D	C D	C D
Multi-select and copy to clipboard support in CPU view	C D	C D	C D
Ctrl-Click in editor gutter to enable/disable breakpoints	C D	C D	C D
Sort by load order in Modules view	C D	C D	
Set Next Statement local menu item in editor	C D	C D	
Exception notification dialog: Break/Continue buttons, "Ignore exception type" checkbox	C D	C D	C D
Modules View sorting	C D	C D	
Remote debugging	C D	C D	
Thread view displays status on all processes and threads under debugger control	C D	C D	
CPU view for low-level debugging	C D	C D	C D
Evaluator	C D	C D	C D
Multi-Process debugging for easy tracing through complex applications	C D	C D	
Breakpoint view with toolbar, in-place editing, and enable/disable checkbox	C D	C D	C D
Watch view supporting in place editing, checkbox enable/disabling, and the watch names separated from the values with columns	C D	C D	C D
Multi-tab watch view for logically grouping variables	C D	C D	C D
Attach to and debug any process	C D	C D	
Detach from any process	C D	C D	
Run until return	C D	C D	
Advanced breakpoints with Tooltips, actions, and groups for complete debugging control	C D	C D	
Breakpoint Data Aware Triggers	C D	C D	
Debug spawned processes	C D	C D	
Debug Inspector for easily monitoring properties while debugging	C D	C D	
Event log view	C D	C D	
<b>INTEGRATED UNIT TESTING</b>			
<b>Enhanced in 10.2 Tokyo!</b> Integrated unit testing with the DUnitX testing framework	C D	C D	
<b>Introduced in 10 Seattle!</b> DUnitX unit testing support for mobile platforms (iOS and Android)	C D	C <sup>1</sup> D <sup>1</sup>	
<b>New in 10.2 Tokyo!</b> DUnitX unit testing support for Linux	D		
Runtime support for the DUnit testing framework	C D	C D	
Unit test wizards for quick and easy unit test and unit test project creation	C D	C D	
Execute unit tests from project manager	C D	C D	
<b>DOCUMENTATION</b>			
Support for CHM help engine and updated IDE help structure	C D	C D	C D
Continually updated help system with diagrams showing class hierarchy and declared members pages	C D	C D	C D
<b>DATABASE APPLICATION DEVELOPMENT AND CONNECTIVITY</b>			
Powerful cross-platform and multi-database DB access architecture, based on TDataSet class, field definitions, fields and parameters managements	C D	C D	
Support for multiple TDataSet descendant classes shipping with the product or available form third-party vendors	C D	C D	



Feature	Enterprise+	Professional	Starter
Core DB.PAS TField optimizations	C D	C D	C D
<b>New in 10.2 Tokyo!</b> Support for display options for BlobFields	C D	C D	C D
<b>New in 10.2 Tokyo!</b> Direct GUID access for TField classes	C D	C D	C D
Control of the automatic and persistent fields of a data set using the FieldOptions and FieldLifeCycle features.	C D	C D	C D
<b>FIREDAC MULTI-DEVICE DATA ACCESS LIBRARY</b>			
<b>Enhanced in 10.2 Tokyo!</b> Windows/Mac enterprise database support, including MySQL, MariaDB, Microsoft SQL Server, Oracle Database, InterBase, PostgreSQL, Informix, Sybase SQL Anywhere, Microsoft Access, IBM DB2 Server, Firebird, Advantage Database, generic ODBC driver	C D	C <sup>2</sup> D <sup>2</sup>	
<b>Enhanced in 10.2 Tokyo!</b> Support for local databases, including Microsoft Access database, SQLite and MariaDB database, InterBase ToGo / IBLite, InterBase on localhost, MySQL Embedded, MySQL Server on localhost, Advantage Database local engine, PostgreSQL on localhost, Firebird Embedded, Firebird on localhost	C D	C D	
<b>New in 10.2 Tokyo!</b> Linux enterprise database support, including MySQL, MariaDB, Microsoft SQL Server, Oracle Database, InterBase, PostgreSQL, Sybase SQL Anywhere, IBM DB2 Server, Firebird, Advantage Database, MongoDB, generic ODBC driver. Includes also support for local databases like SQLite database and InterBase ToGo / IBLite.	D		
iOS and Android mobile database support, including SQLite, InterBase ToGo and IBLite	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Enhanced in 10.2.1 Tokyo!</b> Updated FireDAC Microsoft SQL Server driver, supporting MS SQL 2012, 2014, 2016	C D	C <sup>2</sup> D <sup>2</sup>	
<b>Enhanced in 10.2 Tokyo!</b> Updated FireDAC MySQL driver, supporting MySQL v 5.7 and MariaDB v 5.5, MySQL Prepared Statements API, internal BLOB streaming	C D	C <sup>2</sup> D <sup>2</sup>	
<b>Enhanced in 10.2.1 Tokyo!</b> Updated FireDAC ODBC driver 13, with support for data type mapping by data type name	C D	C <sup>2</sup> D <sup>2</sup>	
<b>Enhanced in 10.1 Berlin!</b> Updated FireDAC SQLite driver, with statically linked SQLite3 engine upgraded to version 3.9.2 and support for meta-information for descending and expressional indexes (3.8.9)	C D	C D	
<b>Enhanced in 10.2.1 Tokyo!</b> Updated FireDAC InterBase 2017 and Firebird drivers, with support for querying the database service manager, real BLOB streaming and array data type (now offering comprehensive support for all recent InterBase features, including Exclusive Isolation Level and Transaction Wait Time)	C D	C <sup>4</sup> D <sup>4</sup>	
<b>Enhanced in 10.1 Berlin!</b> Updated FireDAC Oracle driver to support v 11g and 12c APIs, including among many other new features support for VARCHAR2, NVARCHAR2, and RAW data types up to 32K, native BOOLEAN in PL/SQL, 64-bit integers and unsigned INTs, identity / auto-increment columns, query change notifications, implicit ROWID fetching, implicit results, additional connection modes, network timeouts, and transaction state detection and synchronization.	C D	C <sup>2</sup> D <sup>2</sup>	
<b>Introduced in 10.1 Berlin!</b> TFDOracleAdmin service component	C D	C <sup>2</sup> D <sup>2</sup>	
<b>Enhanced in 10.1 Berlin!</b> Updated FireDAC Advantage driver with support for version 12 features like GUID data type, backup archive, default values phrase; improved support for encrypted tables, improved TFDADSUtility component	C D	C <sup>4</sup> D <sup>4</sup>	
<b>Enhanced in 10.1 Berlin!</b> Updated FireDAC DB2 driver, with support for DB2 on AS/400, IDENTITY columns, and a connection definition parameter	C D	C <sup>2</sup> D <sup>2</sup>	
<b>Enhanced in 10.1 Berlin!</b> PostgreSQL driver enhancements with better errors management, support for PostgreSQL data types like JSON and JSONB, improved constrained array support and range types	C D	C <sup>2</sup> D <sup>2</sup>	
<b>Enhanced in 10.1 Berlin!</b> Updated FireDAC Informix driver with support for retain update locks and pessimistic locking, plus ISAM error codes	C D	C <sup>2</sup> D <sup>2</sup>	
<b>Introduced in 10 Seattle!</b> Complete FireDAC support for the NoSQL MongoDB database, including a FireDAC MongoDB driver	C D	C <sup>2</sup> D <sup>2</sup>	
<b>Introduced in 10 Seattle!</b> MongoDB API wrapping classes, including TMongoConnection, TMongoDatabase, TMongoCollection and more	C D	C <sup>2</sup> D <sup>2</sup>	
<b>Introduced in 10 Seattle!</b> MongoDB query, pipeline, update commands, with fluent methods builders	C D	C <sup>2</sup> D <sup>2</sup>	
<b>Enhanced in 10.1 Berlin!</b> MongoDB specific datasets, including TFDMongoDataSet (which allows to attach dataset to MongoDB cursor), TFDMongoQuery (which allows to execute queries to MongoDB collection) and TFDMongoPipeline (which allows to execute pipelines to MongoDB collection), and TMongoDocument Iterate method to iterate through document items	C D	C <sup>2</sup> D <sup>2</sup>	
FireDAC Teradata database support, based on the Teradata database ODBC driver	C D	C <sup>2</sup> D <sup>2</sup>	
FireDAC support for InterBase XE7 Change Views	C D	C <sup>4</sup> D <sup>4</sup>	
<b>Enhanced in 10.1 Berlin!</b> FireDAC support for change notifications, now with additional support for Oracle and MongoDB databases	C D	C <sup>4</sup> D <sup>4</sup>	

Feature	Enterprise+	Professional	Starter
Improved FireDAC updates management	C D	C D	
Tools and scripts to help migration of dbExpress code to FireDAC	C D	C <sup>2</sup> D <sup>2</sup>	
FireDAC streaming support for blob fields and support for MSSQL file streams	C D	C <sup>4</sup> D <sup>4</sup>	
Support for DBMS API command native timeouts	C D	C <sup>4</sup> D <sup>4</sup>	
FireDAC connection parameters are now displayed in the Object Inspector as a record	C D	C D	
IBLite specific driver for desktop and mobile	C D	C <sup>3</sup> D <sup>3</sup>	
InterBase encryption connection options	C D	C <sup>4</sup> D <sup>4</sup>	
Windows/Mac native driver for Informix database	C D	C <sup>2</sup> D <sup>2</sup>	
Source code of the included database drivers	C D	C <sup>2</sup> D <sup>2</sup>	
Comprehensive support for SQLite v3.+ database, including "smart" data type recognition, supporting both dynamic and static linking	C D	C D	
<b>Enhanced in 10.2.2 Tokyo!</b> FireDAC ETL support with optimization and extension of the TFDBatchMoveSQLWriter component, with support for MERGE / INSERT OR REPLACE commands and for dmAppend, dmUpdate, dmAppendUpdate modes. Features new JSON Writer support added in 10.2.2.	C D	C D	
Easy to use TDataSet descendant classes	C D	C D	
Unified Data Access API	C D	C D	
<b>Introduced in 10 Seattle!</b> Improvements of FireDAC cached updates mode, including UpdateOptions.AutoCommitUpdates property and improved compatibility with ClientDataSet	C D	C D	
FireDAC clients for DataSnap	C D		
High-performance in-memory dataset	C D	C D	
FireDAC complete source code, including drivers source code	C D		
Live Data Window mode enabling fast bi-directional navigation through large datasets	C D	C D	
Array Data Manipulation Language (DML) command execution and Command Batches for batch applications and for minimizing network traffic	C D	C <sup>4</sup> D <sup>4</sup>	
Direct support for asynchronous command execution, command execution timeout, and command execution canceling	C D	C D	
Cached updates mode with ability to track correlated changes for several datasets with cascading updates	C D	C D	
Full support for auto-incrementing fields, including those based on generators and table triggers	C D	C D	
SQL dialect abstraction through FireDAC escape sequences, conditional statements and macros	C D	C <sup>4</sup> D <sup>4</sup>	
Data type unification with flexible and adjustable data type mapping	C D	C D	
<b>Updated in 10.2 Tokyo!</b> Easy to use TFDMemTable - in-memory dataset, highly compatible with TClientDataSet, now including optimized JSON serialization and the ability to edit the dataset data at design time	C D	C D	
DataSnap client support for HTTP, HTTPS and TCP/IP protocols and authentication	C D		
Local SQL with heterogeneous SQL commands to TDataSets, full SQLite SQL dialect support, add-hoc TDataSet lookup	C D	C D	
<b>DBEXPRESS AND IBX</b>			
dbExpress™ 4 database connectivity framework with connection pooling, tracing, and delegate drivers	C D	C D	
Included dbExpress drivers available for 64-bit Windows – InterBase local, MySQL local, and SQLite local	C D	C D	
Included dbExpress drivers available for 64-bit Windows – InterBase, Firebird, Oracle, MySQL, SQL Anywhere, Informix, and SQLite	C D		
Included dbExpress drivers available for macOS – InterBase local, MySQL local, and SQLite local only	C D	C D	
Included dbExpress drivers available for macOS – InterBase, Firebird, Oracle, MySQL, SQL Anywhere, Informix, and SQLite	C D		
InterBase Express (IBX) for iOS and Android	C D	C <sup>1</sup> D <sup>1</sup>	
SQLite dbExpress client support for Windows and macOS	C D		
TSQLMonitor support	C D		
Delegate drivers to provide pre- and post-processing of all public methods and properties of the dbExpress 4 framework	C D		
dbExpress server connectivity to Embarcadero InterBase® XE7 and XE3	C D		
InterBase ToGo dbExpress driver for iOS and Android	C D	C <sup>1</sup> D <sup>1</sup>	
InterBase ToGo dbExpress driver for Windows	C D	C D	

Feature	Enterprise+	Professional	Starter
InterBase ToGo 64-bit ODBC driver for Windows	C D	C D	
dbExpress server connectivity to SQLite 3.x	C D		
dbExpress Server connectivity to Firebird 2.5, 2.1 and 1.5	C D		
dbExpress server connectivity to Oracle® 11g and 10g	C D		
dbExpress server connectivity to Microsoft SQL Server® 2008, 2005, and 2000	C D		
dbExpress server connectivity to Informix® 9x (not Unicode-enabled)	C D		
dbExpress server connectivity to IBM DB2® 9.x (not Unicode-enabled)	C D		
dbExpress server connectivity to SQL Anywhere™ 12 and 11 (Unicode-enabled); and SQL Anywhere 9 (not Unicode-enabled)	C D		
dbExpress server connectivity to Sybase® 12.5 (not Unicode-enabled)	C D		
dbExpress server connectivity to MySQL 5.1 and 5.0 (Unicode enabled) and 4.1	C D		
dbExpress ODBC Driver	C D		
dbExpress local connectivity to InterBase, MySQL, SQLite	C D	C D	
Data/Time related functions are now locale dependent	C D	C D	
TClientDataset for managing and manipulating datasets in-memory	C D	C D	
TClientDataSet support for iOS and Android	C D	C <sup>1</sup> D <sup>1</sup>	
ClientDataSet support for macOS	C D	C D	
ClientDataSet support for 64-bit Windows	C D	C D	
<b>New in 10.2 Tokyo!</b> ClientDataSet support for 64-bit Linux	D		
LiveBindings connect any type of data to any UI or graphical element in VCL and FMX	C D	C D	
dbGO™ for ADO connectivity for Windows (MDAC 2.8)	C D	C D	
InterBase Express Components	C D	C D	
<b>RAD Server (EMS) <sup>6</sup></b>			
<b>Enhanced in 10.2 Tokyo!</b> RAD Server (EMS) turnkey REST based middleware stack that includes API hosting, data access, and SQL Database access <sup>6</sup>	C D		
<b>New in 10.2 Tokyo!</b> Build, test and deploy RAD Server (EMS) packages on Linux <sup>6</sup>	D		
Create custom REST APIs for your business functionality and map them to custom URIs, using loadable packages for the EMS server <sup>6</sup>	C D		
Integrated with FireDAC high-performance enterprise data access for Oracle, DB2, Microsoft SQL Server, Informix, SQL Server, and many more database servers <sup>6</sup>	C D		
FireDAC / EMS integration improvements, focused on updates management <sup>6</sup>	C D		
EMS Push Notifications server support for iOS and Android <sup>6</sup>	C D		
EMS external credentials support <sup>6</sup>	C D		
Extended EMS Administrative API, now with EMS Installation and EMS Push Resources <sup>6</sup>	C D		
<b>New in 10.2 Tokyo!</b> RAD Server (EMS) multi-tenancy support <sup>6</sup>	D		
<b>New in 10.2 Tokyo!</b> Console app for managing tenants configuration (on Windows and Linux) <sup>6</sup>	C D		
Database Connection Pooling and other EMS optimizations <sup>6</sup>	C D		
EMSClientAPI component to simplify EMS client side development <sup>6</sup>	C D		
<b>Enhanced in 10.2 Tokyo!</b> User, groups, sessions, and API calls analytics and reporting using a web based interface using the EMS Console (eventually filtered by tenant) <sup>6</sup>	C D		
Ability to export data from EMS Console to .CSV files <sup>6</sup>	C D		
Improved analytics for users and groups <sup>6</sup>	C D		
EMS client application to manage user accounts <sup>6</sup>	C D		
<b>Introduced in 10.1 Berlin!</b> ThingPoint provides developers with an enterprise access point between remote gadgets and devices; a ThingPoint can locally store, filter, and compute vast amounts of IoT data collected at the edge, while ensuring only critical data is synched with the central repository, an Enterprise Mobility Services server	C D		
<b>Introduced in 10.1 Berlin!</b> Support for declaring and retrieving EMS metadata, based on the Swagger open API initiative ( <a href="http://swagger.io">http://swagger.io</a> ). This allows the use of the metadata language as YAML or JSON for the representation of the EMS REST API <sup>6</sup>	C D		

Feature	Enterprise+	Professional	Starter
<sup>6</sup> RAD Studio includes RAD Server packages and client applications development support, with a 5-users development and testing license. Deployment of the RAD Server solution requires a specific license, sold separately.			
<b>DATASNAP MULTI-TIER</b>			
WebBroker library for HTTP servers development and integration, supporting CGI, ISAPI libraries for Microsoft IIS, and native HTTP servers based on Indy library	C D	C D	
WebBroker support for Apache HTTP server modules	C D	C D	
<b>Enhanced in 10.1 Berlin!</b> WebBroker default encoding changed to UTF-8 rather than ANSI	C D	C D	
<b>New in 10.2 Tokyo!</b> WebBroker deployment support in Linux, as stand-alone or Apache modules	D		
Create multi-tier database applications with DataSnap for Windows servers	C D		
<b>New in 10.2 Tokyo!</b> Create multi-tier database applications with DataSnap for Linux servers	D		
Deploy DataSnap servers on Microsoft IIS server (HTTP or HTTPS) using the WebBroker architecture	C D		
<b>Enhanced in 10.2 Tokyo!</b> Deploy DataSnap servers on Apache HTTP server (using HTTP or HTTPS) using the WebBroker architecture. For Delphi available also on Linux.	C D		
<b>Enhanced in 10.1 Berlin!</b> DataSnap clients uses System.NET for HTTP and HTTPS, with no need to deploy the OpenSSL client library (now both for REST connections and HTTP connections)	C D		
<b>Enhanced in 10.1 Berlin!</b> DataSnap server methods support TDBXJSONStream parameter for passing JSON streams between client and server	C D		
HTTPS support in stand-alone DataSnap Applications	C D		
DataSnap server ability to terminate socket connection	C D		
Communication Timeout for HTTP protocol	C D		
<b>Enhanced in 10 Seattle!</b> Specific DataSnap support for exposing FireDAC datasets and reconciling changes using deltas (with the unit FireDACJSONReflect), now with data compression for better throughput optimization	C D		
<b>Introduced in 10 Seattle!</b> Example of FDSchemaAdapter component in DataSnap applications	C D		
JavaScript Minification with dispatching	C D		
Heavyweight callbacks support broadcasting to specific callbacks	C D		
Authentication and role-based authorization.	C D		
Callback channel events for servers and clients	C D		
DataSnap REST server support for multiple Callback Tunnels	C D		
Session Events for TCP/IP Protocol	C D		
KeepAlive support for TCP transport component	C D		
Object support in DataSnap sessions	C D		
Monitor and control connections	C D		
Allow changing of JSON result format in REST calls	C D		
Allow query parameters in REST calls and store them	C D		
Proxy information support for HTTP connections	C D		
Identify client connection information (IP address and protocol, and application name for HTTP)	C D		
ServerMethods give complete control over functionality of middle tier. Use TJSONValue pairs making it easier to pass data	C D		
Improved Session events for increased simplicity of a multi-tier implementation	C D		
DataSnap wizards from the Object Gallery to make server and client creation even easier	C D		
DataSnap wizard source code enabling developers to build their own DataSnap server wizards	C D		
Added support for REST(ful) interface and exposure from the Server	C D		
Support for REST client proxy generation	C D		
DataSnap Server Proxy generation for Object Pascal and C++ clients	C D		
Support for HTTP and HTTPS communication protocol beyond the local DataSnap (TCP/IP) approach	C D		
Added HTTP tunneling support for client code outside the firewall	C D		
Added Filter support for encryption and compression over-the-wire	C D		
Included encryption PC1 and compression filters now included for quick enablement.	C D		
Heavyweight callbacks for enhanced client/server communications and notifications	C D		

Feature	Enterprise+	Professional	Starter
Lightweight Callbacks	C D		
DataSnap REST and native clients for iOS and Android	C D		
<b>DATASNAP CONNECTORS</b>			
Windows 32-bit native (DBX) clients and REST clients	C D		
Windows 64-bit native (DBX) clients and REST clients	C D		
macOS native (DBX) clients and REST clients	C D		
REST / JavaScript client support for browser platforms	C D		
DataSnap mobile connectors for ObjectiveC, supporting iOS 7 and iOS 8 SDKs	C D		
DataSnap mobile connectors for C# and Windows Phone 7 (Silverlight)	C D		
DataSnap mobile connectors for Java and Android Ice Cream Sandwich, Jelly Bean and KitKat	C D		
<b>DATABASE TOOLS</b>			
Data Explorer support for FireDAC, optimized to add and manage database connections and browse database schema, including primary keys, foreign keys and sequences or generators	C D	C D	
Data Explorer optimized to add and manage database connections and browse database schema	C D	C D	
Drag and Drop from FireDAC nodes and dbExpress nodes in the Data Explorer into forms and data modules to speed development	C D	C D	
Direct SQL manipulation for any FireDAC connection	C D	C D	
SQL console views for running queries and viewing results on any dbExpress 4 supported database	C D	C D	
<b>INCLUDED DATABASES</b>			
InterBase XE7 Developer Edition – up to 20 users and 80 logical connections (includes also a license for InterBase 2017 Developer Edition)	C D	C D	
IBLite for iOS and Android with unlimited deployment license	C D	C <sup>1</sup> D <sup>1</sup>	
IBLite for Windows with unlimited deployment license	C D	C D	
InterBase ToGo Test Deployment License (for desktop and mobile)	C D	C <sup>3</sup> D <sup>3</sup>	
<b>CLOUD SUPPORT</b>			
Windows Azure components including AzureConnectionString, AzureBlobManagement, AzureQueueManagement, and AzureTableManagement	C D	C D	
<b>Enhanced in 10 Seattle!</b> Cloud libraries now use the System.Net native HTTP and HTTPS support	C D	C D	
Ability to manipulate Windows Azure blobs, queues, and tables	C D	C D	
MetaData support for TAzureQueueManagement	C D	C D	
ContinuationToken support for Azure Table	C D	C D	
<b>Enhanced in 10.2 Tokyo!</b> Azure support updated to the current Azure APIs	C D	C D	
<b>Enhanced in 10 Seattle!</b> Amazon Simple Storage Service (S3) API	C D	C D	
<b>Enhanced in 10 Seattle!</b> Amazon Queue Service API	C D	C D	
<b>Enhanced in 10 Seattle!</b> Amazon SimpleDB API	C D	C D	
<b>Enhanced in 10.2 Tokyo!</b> AWS support updated to the current AWS APIs	C D	C D	
Deploy to Amazon EC2	C D	C D	
Deploy to Windows Azure	C D	C D	
<b>REST CLIENT LIBRARY AND BAAS</b>			
REST Client Library for simplified invocation of REST services	C D	C D	
Authorization support including Basic Authentication, Plan Authentication, OAuth1, OAuth2	C D	C D	
TRestClient, TRestRequest, and TRestResponse components	C D	C D	
REST Debugger tool for testing REST calls and their parameters	C D	C D	
<b>Enhanced in 10 Seattle!</b> JSON reader and writers used in the REST client library	C D	C D	

Feature	Enterprise+	Professional	Starter
Backend as a Service (BAAS) architecture, with unified interfaces for the most common operations like user management, file storage, objects storage, and notifications support	C D	C <sup>1</sup> D <sup>1</sup>	
Integrated BaaS support for Kinvey	C D	C <sup>1</sup> D <sup>1</sup>	
Integrated BaaS support for Parse	C D	C <sup>1</sup> D <sup>1</sup>	
<b>Enhanced in 10 Seattle!</b> JSON reader and writers used in the BaaS client library	C D	C <sup>1</sup> D <sup>1</sup>	
<b>XML AND SOAP</b>			
TXMLDocument component working on all platforms	C D	C D	
TXMLDocument component support for MSXML on Windows	C D	C D	
TXMLDocument component support for native OmniXML library	C D	C D	
Easier selection of the default XML engine for XML data processing	C D	C D	
TXMLDocument component support for native ADOM library	C D	C D	
Easily create Win32, Win64 SOAP Web Services	C D	C D	
Build client-side SOAP Web Services, including support for SOAP 1.2 clients	C D	C D	
Build SOAP Clients for iOS and Android	C D	C <sup>1</sup> D <sup>1</sup>	
WSDL External Schema support	C D		
XML Transformation Tools and Components to easily build data exchanges between XML and datasets	C D		
Native Object Pascal and C++ XML bindings to simplify XML programming – access XML documents using interfaces	C D		
SOAP runtime support for optional and unbounded elements	C D	C D	
SOAP support for Amazon, eBay, MapPoint, and more	C D	C D	
<b>THIRD PARTY INTEGRATED TOOLS</b>			
<b>FILE COMPARE with Beyond Compare Text Compare</b>			
Beyond Compare Text Compare integration	C D	C D	
Compare and edit the contents of files with syntax highlighting	C D	C D	
Ignore changes in whitespace and comments	C D	C D	
Print reports of differences or save them as HTML or plain	C D	C D	
Filter display to only show differences, optionally with a few lines of context	C D	C D	
Built-in support for Object Pascal, C++, HTML, DFMs, and more	C D	C D	
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	C D	
Automatically configured for both differences and merges from the History view	C D	C D	
<b>LOGGING with CodeSite Express</b>			
<b>Updated in 10.2 Tokyo!</b> Raize Software CodeSite Express integration provides advanced application logging and debugging capabilities (distributed via GetIt Package Manager)	C D	C D	
Log all kinds of information without data conversions including strings, numbers, dates & times and even objects, string lists, exceptions, and much more	C D	C D	
Log information from application code (including recursive functions and multiple threads) without interrupting program execution or causing side effects	C D	C D	
Emphasize important logging information through a variety of message types	C D	C D	
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	C D	
Utilize the extensive analysis tools in the CodeSite Viewers to analyze message logs and locate problem areas faster	C D	C D	
Filter message logs by application name, process id, thread name, computer name, category, and message text	C D	C D	
Quickly organize the message log into multiple views by using the advanced CodeSite Message Organizer	C D	C D	

Feature	Enterprise+	Professional	Starter
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	C D	
Record method calls to add call stack structure to the message log	C D	C D	
<b>IP*Works! COMMUNICATION COMPONENTS</b>			
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	C D	
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	C D	
Components are easy to use, with a uniform, intuitive, and extensible design	C D	C D	
Components share common interfaces across platforms and technologies	C D	C D	
Components are fast, robust, and reliable with minimal resource consumption	C D	C D	
Components are lightweight and have no dependencies on external libraries	C D	C D	
Detailed reference documentation, hundreds of sample applications, fully-indexed helps files, and an extensive online knowledge base	C D	C D	
<b>TeeChart CHARTING COMPONENTS</b>			
<b>Updated in 10.2 Tokyo!</b> TeeChart Standard components including chart, DBchart, and a rich set of different graph types	C D	C D	
<b>FastReport REPORTING SOLUTIONS</b>			
<b>Updated in 10.2 Tokyo!</b> FastReport VCL RAD Edition reporting tool (distributed via GetIt Package Manager)	C D	C D	
Exports to popular formats (PDF, RTF, HTML, BMP, JPEG, TIFF, GIF, TXT, CSV)	C D	C D	
Grouping with drill-downs	C D	C D	
Caching of the big reports(uses less memory)	C D	C D	
Six levels in master-detail-subdetail relation	C D	C D	
<b>Updated in 10.2 Tokyo!</b> FastReport FMX RAD Edition reporting tool (distributed via GetIt Package Manager)	C D	C D	
<b>INTRAWEB</b>			
IntraWeb XIV – RAD Web Application framework, Personal Edition		C D	
IntraWeb XIV – RAD Web Application framework, Standard Edition	C D		
Integrated Page Mode	C D	C D	
RSS Feeds	C D	C D	
Static content	C D	C D	
URL Mapping	C D	C D	
Standalone deployment	C D	C D	
Windows Service Deployment	C D		
Concurrent session limit		C D	
Unlimited concurrent session limit	C D		
Application Mode	C D	C D	
Code based Authentication	C D	C D	
Session time out limit of 20 minutes	C D	C D	
<b>DATABASE APPLICATION DEVELOPMENT (ARCHITECT EDITION, FOR BOTH RAD STUDIO AND SINGLE PRODUCTS)</b>			
Fast SQL database development, change management, profiling, and tuning with DB PowerStudio® 2016, Developer Edition	Architect only		
Rapid SQL to write high quality SQL code faster	Architect only		

Feature	Enterprise+	Professional	Starter
DB Optimizer to visually tune SQL	Architect only		
DB Change Manager to simplify database change management	Architect only		
<b>DATABASE DESIGN AND DEVELOPMENT (ARCHITECT EDITION, FOR BOTH RAD STUDIO AND SINGLE PRODUCTS)</b>			
Embarcadero® ER/Studio® 2016 Developer Edition, a database modeling and design tool for better understanding database structures	Architect only		
Highly productive model-driven database design environment: advanced graphics, multilevel design, automated and custom transformation, denormalization mapping, extensible automation and undo/redo	Architect only		
Database lifecycle support – forward engineering, reverse engineering to construct a model from an existing database or schema, and database modification	Architect only		
Enterprise model management – advanced compare and merge, submodel management, “where used” analysis and XML schema generation	Architect only		
Data warehouse and integration support – data lineage and dimensional modeling	Architect only		
Quality database design: model completion validation, automatic migration of foreign keys, capacity planning	Architect only		
Security design and assessment – including data classification and permission management	Architect only		
Database modeling and design for Oracle, Microsoft SQL Server, DB2 LUW, InterBase, MySQL, Informix, Sybase ASE, SQL Anywhere, ODBC, and ANSI SQL	Architect only		
Visual Data Lineage – Visually analyze and document how data flows through your organization without needing to inspect code	Architect only		
Attribute-level submodeling – Choose which attributes/columns to include in the entities/tables in the submodel and also describe submodels on the Definition tab, then create queries to search on the definitions	Architect only		
Object-level Compare Flags – Indicate international discrepancies when comparing models that the Compare Wizard should ignore.	Architect only		
Produce reports in HTML format	Architect only		
<b>LICENSING AND TOOL MANAGEABILITY</b>			
No runtime fees on deployment of applications, with the exclusion RAD Server (EMS)	C D	C D	Limited
Licensing suitable for larger teams with no restriction on number of licenses you can purchase or use	C D	C D	
Network named or concurrent licenses available	C D	C D	
<b>Enhanced in 10.2 Tokyo!</b> Earlier version licenses included in network licenses (Delphi 2007- 10.1 Berlin, C++ Builder 2007-10.1 Berlin, HTML5 Builder XE3, RadPHP XE2). Delphi 7 and C++Builder 6 available separately	C D H	C D H	
<b>Enhanced in 10.2 Tokyo!</b> Access to licenses and downloads for earlier versions with purchase of standalone product licenses (Delphi 2007 – 10.1 Berlin, C++Builder 2007-10 Seattle, HTML5 Builder XE3, RadPHP XE2, Delphi 7, and C++Builder 6)	C D	C D	
<b>HTML5 BUILDER APPLICATION DEVELOPMENT</b>			
<b>HTML5 BUILDER INTEGRATED DEVELOPMENT ENVIRONMENT (IDE)</b>			
Workflow optimized, context-sensitive user interface focused on improving user productivity	H	H	
Client Deployment wizard for deploying client web applications	H	H	
Client Web Application and Client Page. Develop web applications with client-side technologies that you can run without a webserver.	H	H	
Client Mobile Application and Client Mobile Page. Develop mobile applications with client-side technologies that you can run without a webserver.	H	H	
Mobile Themes. Create themes for your mobile applications easily with HTML5 Builder’s visual designer.	H	H	
Project Manager to display and organize the contents of your current project with support for content preview and search.	H	H	
Project Manager view menu for directory (nested), directory (flat) and list view of files in a project.	H	H	
Project Options to allow you select which parameters to send to the running script and other extra options via the Run/Debug drop-down menus.	H	H	
File manipulation and creation through the Project Manager facilities.	H	H	
Multi-select files in the Project Manager	H	H	



Feature	Enterprise+	Professional	Starter
IDE Insight always accessible via integrated top level search bar	H	H	
Checkbox for Boolean types in the Object Inspector greatly enhancing readability	H	H	
Web-oriented color property editor to use standard browser colors or custom ones with support for RGBA for specifying transparency	H	H	
Improved search features in the editor and with Find tab integration	H	H	
Added capabilities and configuration to the File   Reopen menu	H	H	
Use Unit interaction capabilities increased	H	H	
Multi-instance loading so you can have several IDEs open at the same time	H	H	
Super-fast loading, so you can use it as code editor	H	H	
Significant all-around IDE performance improvements	H	H	
History Manager with automatic multi-level file backups, file differencing and restore	H	H	
IDE Welcome Page – with fast access to recent projects, Embarcadero Developer Network RSS news feeds, documentation, helpful links, updates, Weblogs, and more	H	H	
Ability to individually customize editor options for particular file types	H	H	
Symbol Insight – click to navigate to declarations	H	H	
Tool Palette for easy access RPCL (RadPHP Component Library) components	H	H	
Tool Palette incremental filtering automatically narrows down component list to find what you need as you type	H	H	
Context-aware Tool Palette, it shows only the appropriate items depending on what you are editing	H	H	
Structure Pane to see and navigate the hierarchy of source code, HTML or components displayed in the editor or designer	H	H	
Object Inspector for visual customization of PHP and AJAX components without writing code; now features subproperties and faster performance	H	H	
File Dialog to allow you select the extension of the file to create	H	H	
Add Folder to Project menu option allows you to add several source files to your project in a single action	H	H	
Set your default browser and multiple browsers to appear as options under the Run menu	H	H	
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	H	
Documentation Wizard, uses phpdoc to generate the documentation for your product	H	H	
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	H	
Internationalization Wizard using gettext() simplifies localization of applications	H	H	
Integrated web server for easy running applications directly from the IDE	H	H	
Event log displays error messages from the PHP rendering engine and syntax checker	H	H	
<b>HTML5 BUILDER MOBILE DEVELOPMENT</b>			
Easily build web optimized mobile applications and App Store ready apps for iOS, Android, BlackBerry and Windows Phone	H	H	
Build BlackBerry 10 ready web optimized mobile apps (HTML5 Builder creates a folder structure that requires the latest BlackBerry 10 NDK and node.js)	H	H	
Build web optimized mobile apps for iOS 6	H	H	
Build web optimized mobile apps for Android on Froyo (2.2), Gingerbread (2.3), Ice Cream Sandwich (4.0) and Jelly Bean (4.1, 4.2 and 4.3)	H	H	
Build Windows Phone 8 ready web optimized mobile apps	H	H	
Large library of built-in drag and drop components for mobile application development	H	H	
jQuery mobile components: MButton, MPanel, CheckBoxGroup, MRadioGroup, MobileTheme, MEdit, MTextArea, MSlider, MLink, MCollapsible, MToolBar, MToggle, MRadioButton, MCheckBox, MComboBox, MCollapsibleSet, MList, MAccelerometer, MCamera, MCompass, MGeolocation, MNetwork, MContacts, PageEvents, MPageExtraEvents, MDB, MDBTransaction, MFileReader, MFileWriter, MFileEntry, MDirectoryEntry, MDirectoryReader, MFileSystem, MFileTransfer, MCapture, MNotification, MConnection, MDevice	H	H	
Additional jQuery Mobile components for use in your mobile applications, including MCanvas, MImage, MLabel, MMap, MMedia, MShape.	H	H	
Build your mobile applications in the cloud using the integrated PhoneGap Build service.	H	H	

Feature	Enterprise+	Professional	Starter
Visual mobile design surface to see how the interface will look on the device	H	H	
<b>HTML5 BUILDER COMPONENT LIBRARY (RPCL)</b>			
RPCL components generate validated HTML5 code	H	H	
Components have been updated to provide separation of HTML, CSS and JavaScript	H	H	
Improve your pages' tab navigation with the ActiveControl property that defines which control gets the focus when the page is loaded.	H	H	
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	H	
Get rounded corners with BorderRadius. This property groups all border-related properties,	H	H	
BoxShadow and TextShadow provide you with shadowing effects for containers and content.	H	H	
Use gradients to generate the color combinations you need without relying on image files.	H	H	
Select an InputType for your Edit components, for easy client-side validation.	H	H	
Use the Canvas component to easily draw 2D and 3D interactive images.	H	H	
Get and use location data in your web and mobile apps with the Geolocation component.	H	H	
Play audio and video content using the HTML5 Media component	H	H	
Existing controls were updated to leverage HTML5: Bevel, ColorPicker, DateTimePicker, ProgressBar, Shape, TrackBar, SpinEdit	H	H	
Additional properties have been added to existing controls for enhanced functionality	H	H	
Use controls' draggable property to enable drag and drop implementations.	H	H	
CSS3 Animations through custom property editors	H	H	
Quickly transform and animation components	H	H	
Associate custom animations to your controls' events using their Animations property.	H	H	
Create a DataList component and link it to a text-input component so the data is provided as an input suggestion.	H	H	
SVG Image Support. The Image component now supports vector graphics in SVG that you can animate and modify in real time using JavaScript.	H	H	
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	H	
HiddenFields is now a property of web and mobile pages, providing an easier and cleaner approach.	H	H	
Advanced components including ImageList, TrackBar, ProgressBar, SpinEdit, DateTimePicker, ColorPicker	H	H	
System components including Timer, BasicAuthentication and StyleSheet	H	H	
Data Access components including Database, Datasource, Table, Query and StoredProc with support for many databases through PDO	H	H	
Data Controls components including DBRepeater	H	H	
Zend Framework components ZACL, ZAuth, ZAuthDB, ZAuthDigest, ZCache, ZMail, ZMailTransportSMTP, ZMailTransportSMTP, ZmailTransportSendmail, ZCaptcha, ZBarcode, ZCurrency, ZDate, ZFile, ZFeedReader, ZFeedReader, ZPubSubHubBubPublisher, ZGDataAuth, ZGDataCalendar, ZGDataDocs, ZGDataYoutube, ZGDataYoutube, ZGDataHealth, ZGDataSpreadsheets, ZGDataPhotos, ZGDataBooks, ZHttp, ZGDataApps, ZOAuth, ZRegistry, ZJson, ZJsonServer, ZRestServer, ZRestClient, ZOpenIdConsumer, ZOpenIdProvider, ZOpenIdConsumerStorageDB, ZOpenConsumerStorageFile, ZOpenIdProviderStorageDB, ZOpenIdProviderStorageFile, ZOpenIdProviderUserSession, ZMarkup, Zlog	H	H	
Facebook Social Plugins components to allow visual development of social-aspects of Facebook applications including LikeButton, LikeBox, ActivityFeed, and LiveStream	H	H	
Support for communication components for native Delphi and C++Builder DataSnap applications including DSJavaScriptClient and DSRestConnection	H	H	
Support for communication components for native Delphi and C++Builder DataSnap applications including DSJavaScriptClient and DSRestConnection	H	H	
Extend the RPCL (RadPHP Component Library) at any time with third-party libraries, additions from the RPCL open source project on SourceForge or your own components	H	H	
Component Writer's Guide with information on building your own components	H	H	
<b>HTML5 BUILDER CODE EDITOR</b>			
Customizable source code editor for editing PHP, HTML, JavaScript, CSS, SQL and XML	H	H	

Feature	Enterprise+	Professional	Starter
User configurable Color Syntax Highlighting	H	H	
Code Insight support for HTML, JavaScript, jQuery and PHP	H	H	
Help Insight – convenient tooltips provide help snippets as you type	H	H	
ErrorInsight provides syntax checking as you type so you can easily fix syntax errors on the fly	H	H	
Code Folding to collapse code blocks for easier viewing and navigation of your PHP code	H	H	
Sync Edit to modify common identifiers in different locations in your code at the same time	H	H	
Tracking band visually indicates which lines you have modified / added and which ones were modified on the last save operation	H	H	
Macro recording and playback to record a specific set of actions in the code editor and repeat them later	H	H	
Bookmarks allow you to set a mark on a specific location of your source code and return back later	H	H	
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	H	
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	H	
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	H	
Keymappings include default, BRIEF, IDE classic, Visual Basic emulation, Visual Studio emulation	H	H	
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	H	
Code Templates include 15 pre-built timesaving templates that can easily be inserted into your code	H	H	
Conversions menu item enables you to select a block of text and convert to all upper-case or all lower-case	H	H	
Dialogs to add published properties, public properties or publish public properties	H	H	
Go to Line Number jumps to a line number in the code editor	H	H	
Options Dialog, faster and with more options	H	H	
Syntax Check with lint syntax check on the active file, showing results of the syntax checking operation in the messages window	H	H	
<b>HTML5 BUILDER REFACTORING</b>			
Includes the following refactorings: Extract Interface, Extract Superclass, Pull Members Up, Push Members Down, Rename, Declare Field, Extract Method, Change Parameters	H	H	
<b>HTML5 BUILDER INTEGRATED PHP DEBUGGING AND PROFILING</b>			
Debug your client web application JavaScript code with integrated web developer tools	H	H	
XDebug integration, faster and more powerful, to find and fix errors	H	H	
Integrated PHP Profiler to measure runtime performance and help identify bottlenecks down to the line of code	H	H	
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	H	
Breakpoint view with toolbar, in-place editing and enable checkbox	H	H	
Advanced breakpoints with Tooltips, actions, and groups for complete debugging control	H	H	
Call Stack window shows a list with the functions called when debugging or when the execution in debug mode is finished	H	H	
Global Variables window shows the current function's global variables while in debug mode	H	H	
Local Variables window shows the current function's local variables while in debug mode	H	H	
Watches window displays the current value of the watch expression based on the scope of the execution point	H	H	
Expandable watches for arrays and objects	H	H	
Evaluator tooltips – just place the mouse over an item, and get the evaluation in a hint	H	H	
Evaluate/Modify, issue function calls or modify values on the fly	H	H	
Multi-tab watch view for logically grouping variables	H	H	
Event log view showing messages from the IDE	H	H	

Feature	Enterprise+	Professional	Starter
<b>HTML5 BUILDER DATABASE APPLICATION DEVELOPMENT</b>			
Powerful Database Connectivity via PDO. This includes support for InterBase, Firebird, DB2, Informix, MySQL, Oracle, PostgreSQL, SQLite and SQL Server	H	H	
Data Explorer to add a new connection, modify, delete, or rename your database connections	H	H	
Support for Embarcadero's InterBase database	H	H	
Drag and drop from the data explorer to build data-driven applications with no coding	H	H	
RPCL (RadPHP Component Library) data access components	H	H	
<b>HTML5 BUILDER DOCUMENTATION</b>			
Sample projects for HTML5, mobile templates and more	H	H	
QuickStart Guide to allow you to quickly create your first applications with HTML5 Builder	H	H	
Documentation has been expanded to include many more tutorials and feature information	H	H	
Help Browser	H	H	
Context sensitive online help for the development environment available via F1 in the IDE	H	H	
Documentation wiki accessible via the online help for the latest doc updates	H	H	
RPCL class library documentation and code examples	H	H	
Sample programs with documentation	H	H	
Install PHP Reference Guide in your choice of English, German, Japanese, French	H	H	
<b>HTML5 BUILDER THIRD PARTY</b>			
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	H	

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