RAD Studio

RAD Studio™ provides fast, integrated design and development for C++ and Delphi® developers worldwide.

RAD Studio delivers integrated tools to help you design, code, compile, test, and deploy every app you can dream up! RAD Studio's UI design and native performance are trusted by organizations for robust enterprise-level systems and are flexible enough for cutting-edge consumer apps. With a single codebase that compiles natively for each target platform, you can focus on making great apps, not on rewriting the same functionality for each additional device.

Benefits

DESIGN BEAUTIFUL, INTUITIVE UIs

Leverage RAD Studio's visual designer, our award-winning Visual Component Library (VCL) for Windows or FireMonkey (FMX) framework for multi-device development, and hundreds of prebuilt and customizable components to quickly prototype and design UIs. Adding device-specific layouts to your default design creates intuitive user experiences for desktops and devices. See your UI changes live on several devices simultaneously by broadcasting the active form of your application with Live Device Preview. Fast, real-time design validation saves time for you and your team.

STREAMLINE DEVELOPMENT CYCLES

RAD Studio's built-in developer support tools help you meet aggressive sprints and release dates. Code Insight™ delivers auto-code-completion based on your code and used libraries, supplemented by inline documentation to give hints and tips supporting you as you write code. Our code editor has advanced navigation tools, bookmarks, regions, and more. Use our refactorings to improve your code. Whether you're a junior developer or an expert, you'll find these features indispensable in improving productivity and meeting release dates.

DEBUG ACROSS TARGETED PLATFORMS

Eliminate bugs before QA files a ticket with integrated cross-platform native debugging. Using the RAD Studio IDE, you can debug applications running remotely on Windows, macOS, iOS, Android, and Linux! Use breakpoints, stack exploration, tool tips and expression evaluation on local and remote machines with live debugging across all deployment platforms.

WRITE YOUR BEST CODE TODAY

There are tons of RAD Studio advantages to improve code quality: powerful cross-platform libraries containing well-tested and highly optimized code, turning code documentation into immediate in-line help for your team, unit testing with DUnit and DUnitX, code metrics, and predefined patterns. With all of these resources at your command, you can focus on creating elegant, sustainable code solutions.
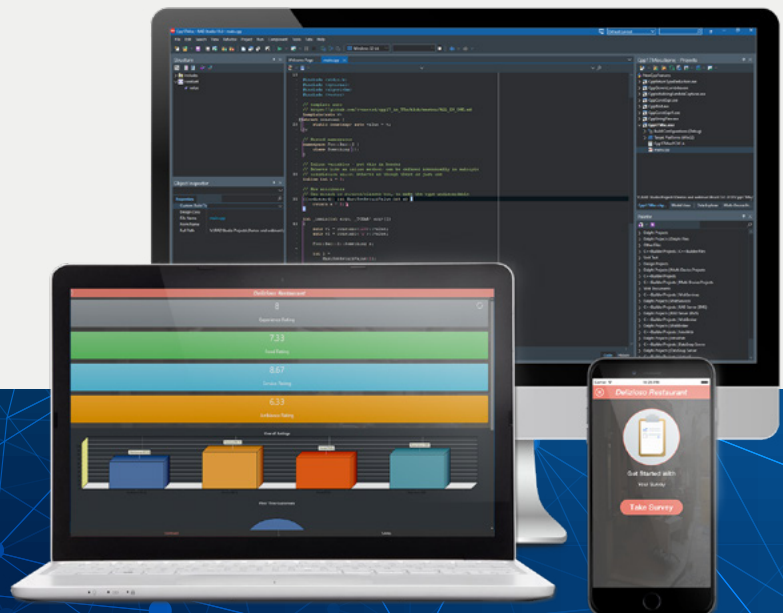
EASILY DEPLOY ACROSS ALL MAJOR PLATFORMS

Compile natively and deploy to iOS, macOS, Android, Windows, and Linux from one codebase, which makes programming and maintenance effortless for you while your users still have the advantages of a native app experience.

BUILD CONNECTED APPS

RAD Studio's AppTethering, RAD Server middleware, and REST integration radically simplify the process of designing, building, and deploying connected apps across platforms and multiple form factors including desktops, smartphones, and tablets as well as IoT form factors like wearables and sensors.

Try it FREE for 30 days!

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Key Features

CODE IN ONE, TWO, OR THREE LANGUAGES! In RAD Studio, your development team can create both C++ and Delphi® applications using the same IDE and even intermix languages within the same application. RAD Studio Architect editions now include a Sencha ExtJS Professional edition license so you can build Javascript web-enabled client apps using Sencha's tools to complement your Delphi or C++ server applications.

HUNDREDS OF PREBUILT COMPONENTS RAD Studio offers an extensive collection of user interface controls and non-visual components augmented by a vast set of third-party libraries. There are several sophisticated grids, reporting engines, graphics rendering libraries, and more. RAD Studio ships with the basic versions of TeeChart for creating business graphs and FastReport for generating printed and PDF-based reports. It also provides easy access to enterprise data via Cloud components and the optional CData Enterprise Connectors.

STUNNING WINDOWS USER INTERFACES Developers report up to 5 times faster development using RAD Studio's Visual Component Library (VCL) framework compared to other UI creation methods. With direct support for the traditional Windows API, Windows COM components, and the modern WinRT API, the VCL has excellent integration with the underlying operating system. VCL offers an easy to understand visual abstraction layer, which enables developers to turn their imagined interfaces into reality.

MULTI-DEVICE DESIGN Other development teams recreate their software UI for each platform using a different language and a different IDE. RAD Studio's FireMonkey lets you write your UI once, in one language, directly connected to your code, preview your changes live on devices, and quickly make platform- or device-specific changes.

GETIT PACKAGE MANAGER Increase the functionality of your applications by downloading and integrating new components, without leaving the IDE. Projects can list libraries as dependencies, ensuring they are automatically installed and available when you open a project on a new machine.

FIREDAC Develop multi-device database applications: with its powerful common architecture, FireDAC enables native high-speed direct access from RAD Studio to InterBase, SQLite, MySQL, SQL Server, Oracle, PostgreSQL, IBM DB2, SQL Anywhere, Access, Firebird, Informix and more. Extend FireDAC's capabilities with the optional Enterprise Connectors and connect to more than 80 enterprise software systems as easily as connecting to a database.

CREATE SERVICES-BASED SOFTWARE RAD Server enables developers to quickly build new application back-ends or migrate existing client/server business logic to a modern services-based architecture that is open, stateless, secure and scalable. Enterprise and Architect Editions include RAD Server deployment licenses.

EMBEDDABLE DATABASE Create lightweight, embedded database apps using the included InterBase ToGo or IBLite license. From mobile apps to enterprise software, InterBase is scalable, fast, easy to maintain and supports encryption.

PUBLISH TO APP STORES Rapidly produce application bundles that work on Windows 10 Store using Windows Desktop Bridge, iOS, and Android app stores.

INCLUDES FIRST YEAR OF UPDATE SUBSCRIPTION RAD Studio licenses are perpetual, but Update Subscription ensures you have every new release as long as your subscription is active.

System Requirements

- 2 GB RAM
- 6-60 GB of available disk space depending on edition and configuration, including space required for temporary files
- DirectX 11 capable video card
- Intel Pentium or compatible, 1.6 GHz minimum (2GHz+ recommended)

- 1024x768 or higher resolution
- Mouse or other pointing device
- .NET Framework 4.5 or later
- Microsoft Windows 10 (32-bit and 64-bit) or Microsoft Windows 8.1 (32-bit and 64-bit) or Microsoft Windows 7 SP1 (32-bit and 64-bit)

Target Platforms

For developing Windows applications PCs and tablets running Windows 10, Windows 8.1, Windows 7 (SP1+), Windows Server 2012 and 2016. For 64-bit Windows apps: PC running a 64-bit version of Windows or a 32-bit development PC connected with a PC running a 64-bit version of Windows.

For developing iOS applications All requirements for macOS support plus Xcode 8 or higher. An Apple Developer account is required to deploy iOS apps to physical devices. Supported Devices: iPhone, iPad, or iPod Touch running iOS 12, 11, and 10.

For developing macOS applications PC Running Windows connected with an Intel-based Mac or a Mac running Windows in a VM, with 2GB RAM or more, running macOS 10.14, 10.13, or 10.12.

For developing Android applications An Android device that runs on an ARMv7 processor with NEON support. A 64-bit version of Windows for development. Android phones and tablets running Android versions 9, 8, 7, 6, and 5.

For developing Linux applications (Delphi only) PCs running Ubuntu 18.04 LTS, Ubuntu 16.04 LTS, Ubuntu 14.04 LTS, and RedHat Enterprise Linux (version 7).

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