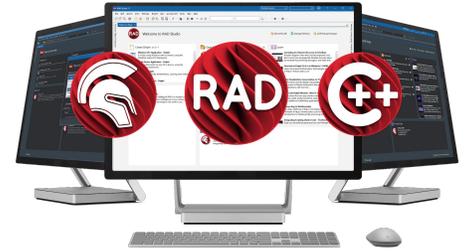




# RAD Studio 11

RAD Studio® is the ultimate IDE for rapidly building single-source multi-platform native apps in Delphi® and modern C++ with powerful visual design tools

- ✓ Single source code, any platform
- ✓ Design on high-DPI 4k+ screens
- ✓ Provision apps for Windows 11
- ✓ View VCL Styles in design time
- ✓ Compile for Android API 30
- ✓ New & modernized VCL components
- ✓ Compile Delphi apps for macOS M-series (Apple Silicon) processors
- ✓ Use enhanced remote desktop support to collaborate remotely



## BUILD APPS THE SMART WAY

RAD Studio delivers integrated tools to help you design, code, compile, test, and deploy every app you envision! RAD Studio's UI design tools 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 and responsive UI that compiles natively for each target platform, you can stop rewriting the same functionality for each additional device and focus on making great apps.

## Benefits

### WRITE YOUR BEST CODE

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. Easily integrate with version control systems including Git, Subversion and Mercurial. With all of these resources at your command, you can focus on creating elegant, sustainable code solutions.

### STREAMLINE DEVELOPMENT CYCLES

RAD Studio's powerful built-in developer support tools help you meet quick sprints and aggressive release dates. Code Insight™ delivers fast code completion based on your code and used libraries, supplemented by inline documentation to give hints and tips supporting you as you write code. Use the code editor's advanced navigation tools, bookmarks, regions and more with 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.

## BUILD RESPONSIVE UIs RAPIDLY

Leverage RAD Studio's visual designer, the award-winning Visual Component Library (VCL) for Windows, the FireMonkey (FMX) framework for multi-device development, and hundreds of prebuilt and customizable components to quickly prototype and design responsive UIs. Adding device-specific layouts to your default design creates great user experiences for desktops and mobile devices. See your responsive 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.

## DEPLOY NATIVE CODE ON ALL MAJOR PLATFORMS

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

## EASILY 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.

## 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 mix 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.

### USE 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.

### STUNNING WINDOWS USER INTERFACES

Developers report up to 5 times faster development using RAD Studio's high-DPI aware 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 rapidly turn their imagined interfaces into visually stunning reality.

### USE A SECURE EMBEDDABLE DATABASE IN YOUR APPS

Create lightweight, embedded database apps using the InterBase ToGo 2020 or IBLite 2020 license included. From mobile apps to enterprise software, InterBase is scalable, fast, easy to maintain and supports encryption.

### EASILY PUBLISH TO APP STORES

Rapidly produce application bundles that work on Microsoft Store for Windows using MSIX support, as well as the Apple AppStore and Android Play Store.

### RESPONSIVE 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 responsive 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, libraries, and layouts, 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.

### BOOST PRODUCTIVITY WITH FIREDAC

Develop high-performance 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.

### INSTANTLY 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 REST services-based architecture that is open, stateless, secure and scalable. Utilize features like enterprise level permissions and built-in data store. Enterprise and Architect Editions include RAD Server deployment licenses.

### INCLUDES FIRST YEAR OF UPDATE SUBSCRIPTION

RAD Studio licenses are perpetual, but Update Subscription ensures you have access to the latest features in every new release as long as your subscription is active.



## System Requirements

- A PC or tablet running Microsoft Windows 10 64-bit (or a VM with the same operating systems running any compatible hardware platform, locally or remote)
- 1.8 GHz or faster dual-core processor. Quad-core or better recommended. Single-core is not supported.
- 6-60 GB of available disk space depending on edition and configuration. Using a solid state drive (SSD) is strongly recommended.
- 3 GB RAM (8 GB RAM recommended)
- DirectX 11 capable video card that runs at 1,440x900; a 1,080 vertical resolution screen is recommended.

## Platform Requirements

**Windows:** 64-bit versions of Windows 10 or Windows Server 2019.

**Android** (Delphi and C++; C++ targets only 32-bit Android): An Android device that runs on AArch64 processors or ARMv7 processors with NEON support and running Android versions 11, 10, 9 and 8.1.

**macOS:** An Intel-based or ARM-based Mac running macOS 11 Big Sur or 10.15 Catalina. An ARM-based Mac is required for debugging ARM applications.

**iOS:** All requirements for macOS support plus a recent version of Xcode 12. An Apple Developer account is required to deploy iOS apps to physical devices, an iPhone or iPad running iOS 14.

**Linux** (Delphi only): A computer with Ubuntu 20.04 LTS or 18.04 LTS, RedHat Enterprise Linux v8, or a Windows 10 computer with WSL2 (Windows Subsystem for Linux)