

History of Innovation

Delphi 1 through Delphi 10.3

From Windows 3.1 16-bit to Windows 10, macOS, Android, iOS and Linux!

History of Delphi Innovations

- Delphi 1 (1995)
 - 16-bit Windows 3.1 support
 - Visual Two-Way tools
 - Components / VCL
 - Database support via BDE and SQL Links
 - Database data live at design time
- Delphi 2 (1996)
 - 32-bit Windows 95 support
 - Database Grid
 - OLE automation
 - Visual form inheritance
 - Long strings

History of Delphi Innovations

- Delphi 3 (1997)
 - Interfaces (COM based)
 - Code Insight
 - Component Templates
 - DLL Debugging
 - WebBroker
 - ActiveForms
 - Component Packages
 - MIDAS multi-tier architecture
- Delphi 4 (1998)
 - Docking, Anchors and Constraints
 - Method Overloading
 - Dynamic arrays
 - Windows 98 support

History of Delphi Innovations

- Delphi 5 (1999)
 - Desktop layouts
 - Frames
 - XML support
 - DBGo for ADO
 - Language Translations
- Delphi 6 (2001)
 - Structure Window
 - SOAP Web Services
 - dbExpress
 - BizSnap, WebSnap, DataSnap

History of Delphi Innovations

- Delphi 7 (2002)
 - Web application development
 - Windows XP themes
- Delphi 8 (2003)
 - .NET support

History of Delphi Innovations

- Delphi 2005 (2004)
 - Multi-unit namespaces
 - Error Insight
 - History Tab
 - for..in
 - Function inlining
 - Theme-enabled IDE
 - Refactorings
 - Wild-card in uses statement
 - Data Explorer
 - Integrated Unit Testing

History of Delphi Innovations

- Delphi 2006 (2005)
 - Operator overloading
 - Static methods and properties
 - Designer Guidelines, Form positioner view
 - Live code templates, Block Completion
 - Line numbers, Change Bars, Sync-edit
 - Code Folding and method navigation
 - Debugging Tool-Tips
 - Searchable Tool Palette
 - FastMM memory manager
 - Support for MySQL
 - Unicode support in dbExpress
 - TTrayIcon, TFlowPanel, TGridPanel

History of Delphi Innovations

- Delphi 2007 (2006)
 - MS Build, Build Events, Build Configurations
 - Windows Vista support – glassing, theming
 - dbExpress 4 – connection pooling, delegate drivers
 - CPU viewer windows
 - FastCode enhancements
 - IntraWeb / AJAX support
 - Welcome Page
 - Sim-ship of English, French, German, Japanese

History of Delphi Innovations

- Delphi 2009 (2008)
 - Unicode
 - Generics
 - Anonymous Methods
 - Ribbon Controls
 - DataSnap
 - Build Configurations
 - Class Explorer
 - Type Library Editor Window
 - PNG support

History of Delphi Innovations

- Delphi 2010 (2009)
 - Attributes
 - Enhanced RTTI
 - Direct2D canvas
 - Windows 7 support
 - Touch/Gestures
 - Source Code Formatter
 - Thread Specific Breakpoints
 - Debugger Visualizers
 - IOUtils unit for files, paths and directories
 - Source Code Audits and Metrics
 - Background Compilation
 - Source code for MIDAS.DLL

History of Delphi Innovations

- Delphi XE (2010)
 - Regular Expression Library
 - Subversion Integration
 - dbExpress –Filters, Authentication, ProxyGeneration, JavaScript Framework, REST support
 - Indy WebBroker
 - Cloud – Amazon EC2, Microsoft Azure
 - Build Groups
 - Named Threads in the Debugger
 - Command line Audits, Metrics and Documentation Generation

History of Delphi Innovations

- Delphi XE2 (2011)
 - 64-Bit Windows
 - Mac OSX
 - FireMonkey
 - Live Bindings – FireMonkey and VCL
 - VCL Styles
 - Unit Scope Names
 - Platform Assistant
 - DataSnap - Connectors for Mobile Devices, Cloud API, HTTPS support, TCP monitoring
 - dbExpress support for ODBC drivers
 - Deployment Manager

History of Delphi Innovations

- Delphi XE3 (2012)
 - Metropolis UI for Windows 8, 7, Vista, XP
 - FM actions, touch/gestures, layouts, anchors
 - FM support for bitmap styles
 - TMaterial source for FM 3D components
 - FM audio/video
 - VCL/FM support for sensor devices
 - FM Location sensor component
 - Virtual keyboard support
 - DirectX 10 support

History of Delphi Innovations

- Delphi XE4 (April 2013)
 - iOS support – device, simulator, iOS app store
 - iOS support for standard and retina displays
 - iOS styles, retina styles, virtual keyboards
 - Mobile form designer
 - TWebBrowser component
 - iOS ARC (automatic reference counting) for all TObject classes
 - Platform Services, Notifications
 - Location, Motion and Orientation sensor components
 - TListView component
 - Mac OSX full screen support
 - Deployment manager for iOS devices
 - FireDAC universal data access components
 - InterBase – IBLite and IBToGo

History of Delphi Innovations

- Delphi XE5 (September 2013)
 - Android support – devices and emulator . OS versions: Jelly Bean, Ice Cream Sandwich, Gingerbread
 - Notification component
 - iOS 7 style support
 - Configurable form designer for mobile devices
 - Deployment manager for Android devices
 - REST Services client access and authentication components
 - Android support for all of the XE4 FM and database features listed above

History of Delphi Innovations

- Delphi XE6 (April 2014)
 - Windows 7 and 8.1 styles
 - Access to Cloud base RESTful WEB Services
 - FireDAC Compatible with more databases
 - Fully integrated InterBase support

History of Delphi Innovations

- Delphi XE7 (September 2014)
 - FireMonkey Multi-Device Applications Support Both Desktop and Mobile Platforms
 - IBLite embeddable database for Windows, Mac, Android and iOS
 - Multi-Display Support
 - Multi-Touch Support and Gestures Changes
 - Full-Screen Immersive Mode for Android
 - FireMonkey Supports the Pull-to-Refresh Feature for TListView on iOS and Android
 - FireMonkey Save State Feature

History of Delphi Innovations

- Delphi XE8 (April 2015)
 - GetIt Package Manager
 - FireDAC Improvements
 - New Embarcadero Community Toolbar
 - Native Presentation of TListView, TSwitch, TMemo, TCalendar, TMultiView, and TEdit on iOS
 - Interactive Maps
 - New Options for Media Library
 - InputQuery now Supports Masking Input Fields

History of Delphi Innovations

- Delphi 10 Seattle (August 2015)
 - Android Background Services Support
 - FireDAC support for the NoSQL MongoDB database
 - FireMonkey controls zOrder support for Windows
 - New TBeaconDevice class for turning a device on one of the supported platforms into a “beacon”
 - StyleViewer for Windows 10 Style in Bitmap Style Designer
 - High-DPI Awareness and 4K monitors support
 - Windows 10 styles
 - Support for Android Services in the IDE
 - Support for calling WinRT APIs

History of Delphi Innovations

- Delphi 10.1 Berlin (April 2016)
 - Android 6.0 Support
 - Windows Desktop Bridge Support
 - Address Book for iOS and Android
 - New ListView Item Designer
 - New CalendarView control
 - QuickEdits for VCL
 - High DPI Support on Windows
 - Hint Property Changes
 - EMS Apache Server Support
 - GetIt based Web installer

History of Delphi Innovations

- Delphi 10.2 Tokyo (March 2017)
 - 64-bit Linux support for Delphi
 - FireDAC provides Linux support for all Linux-capable DBMS
 - MariaDB support (v5.5)
 - MySQL support for v5.7
 - Firebird support for Direct I/O
 - QuickEdits for FMX
 - New VCL Controls for Windows 10
 - Updated IDE Look & Feel (Dark Theme)
 - RAD Server Deployment License Included

History of Delphi Innovations

- Delphi 10.3 Rio (November 2018)
 - C++ 17 for Win32
 - New Delphi Language Features
 - FireMonkey Android zOrder, Native Controls and API Level 26
 - Windows 10, VCL, and HighDPI improvements
 - Extensive IDE UI modernization
 - RAD Server architecture extension
 - Quality and Performance improvements

Idera Inc. Developer Tools



 **Embarcadero®** . RAD Studio, C++Builder, Delphi, InterBase, RAD Server

 **Sencha** . ExtJS, ExtReact, GXT, Sencha Test

 **Froala** . JavaScript Web Editor

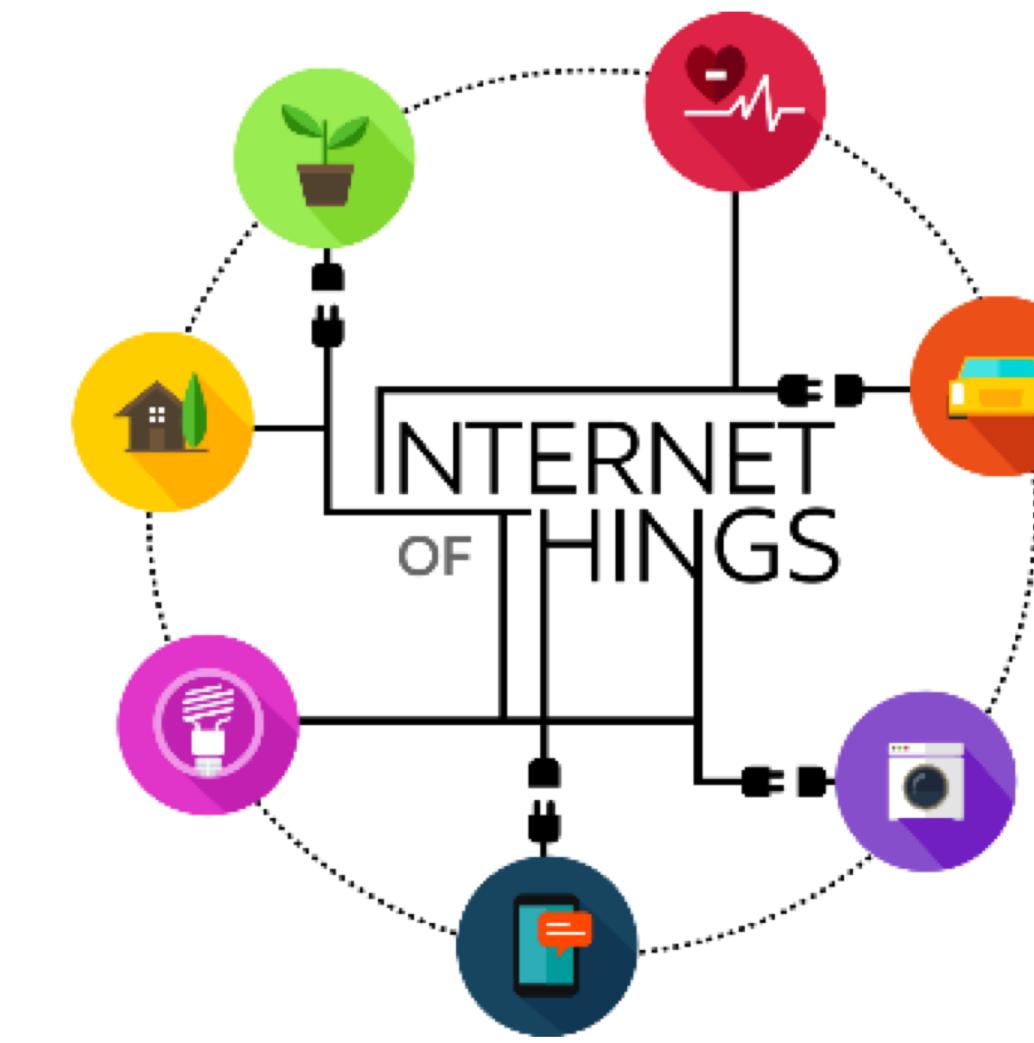
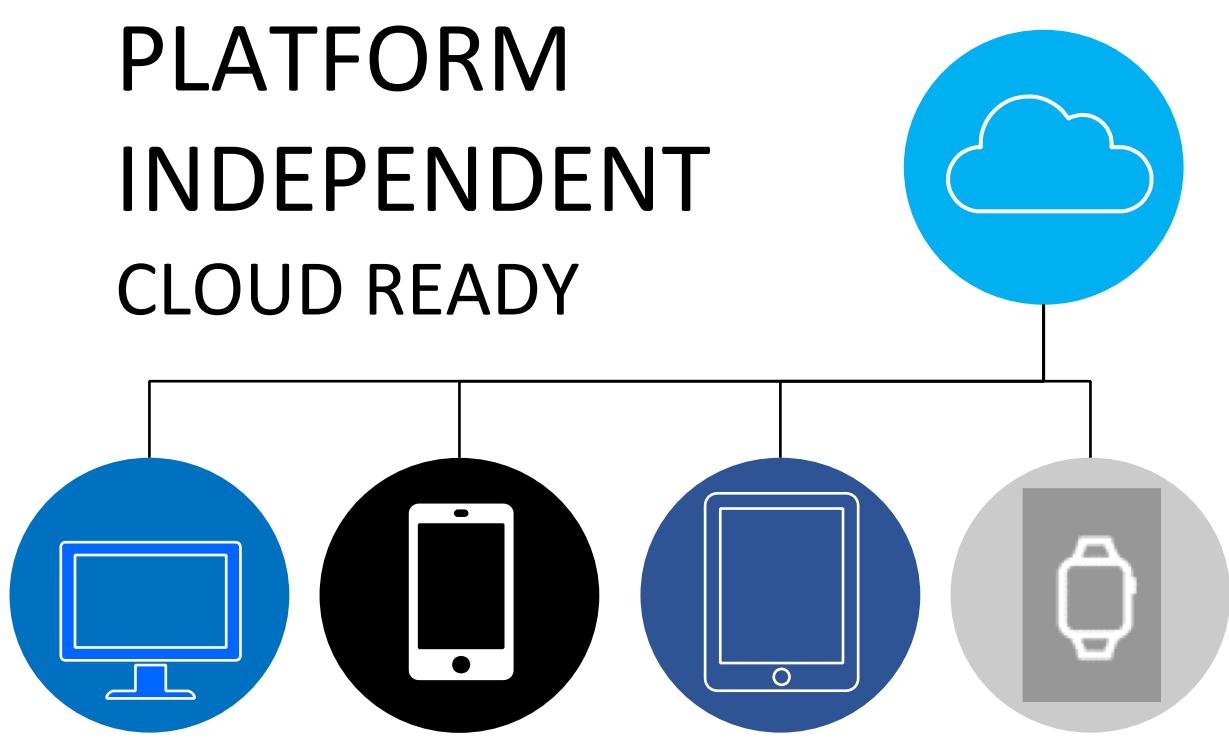
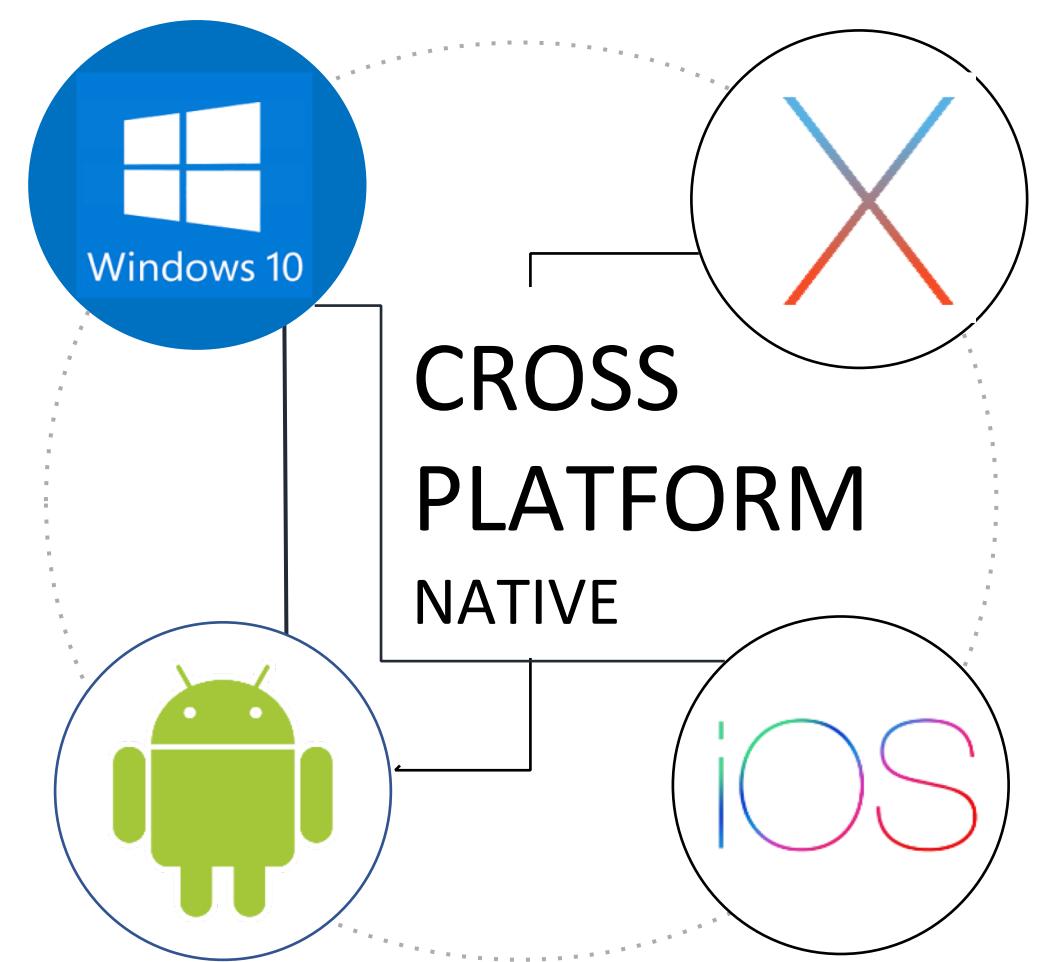
 **WHOLE TOMATO SOFTWARE** . Visual Assist for Visual C++

 **ASSEMBLA** . Secure Git™, Secure Software Development in the Cloud

What is RAD Studio?



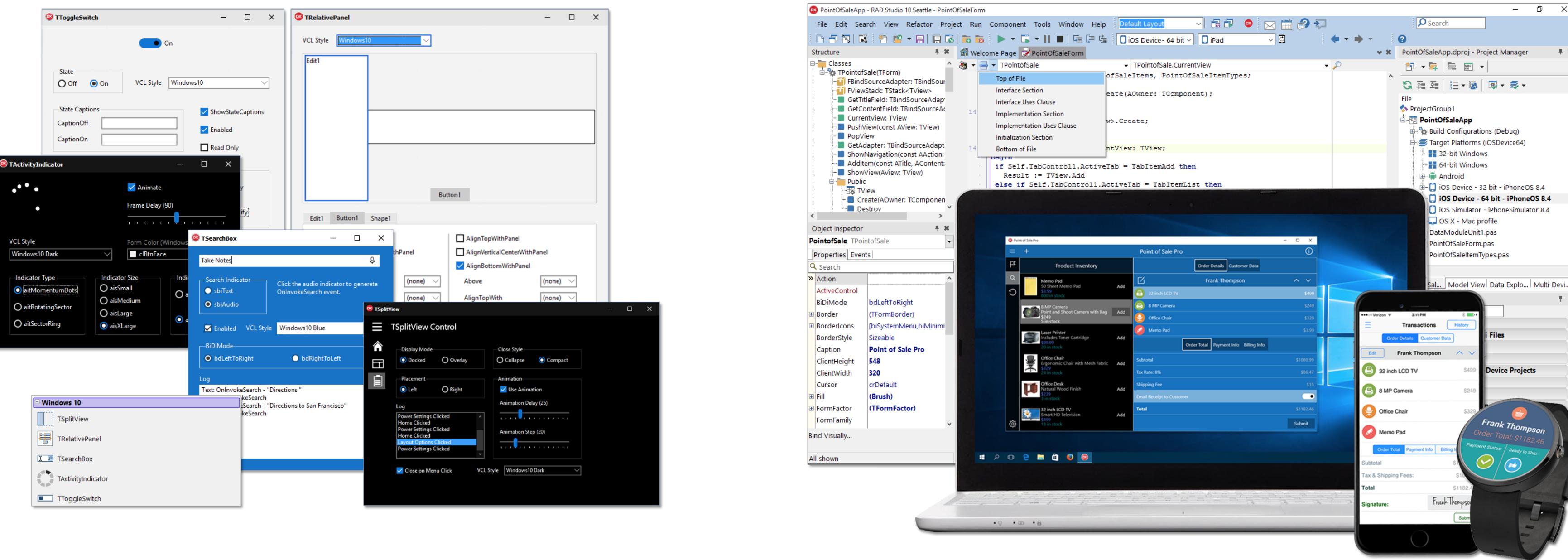
The fastest way to develop cross-platform native apps with flexible cloud services and broad IoT connectivity



Fast, Visual Development



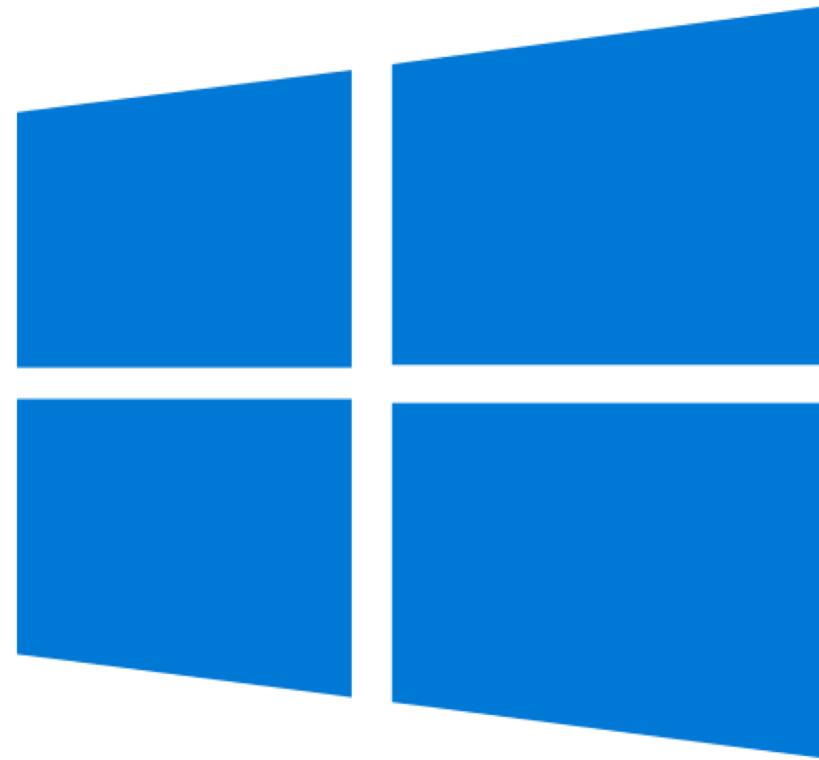
RAD Studio provides powerful VCL controls for Windows 10 and enables FMX cross-platform development for Windows, Mac, iOS and Android



RAD Studio Platform Support



Target the latest versions of major operating systems with one codebase!

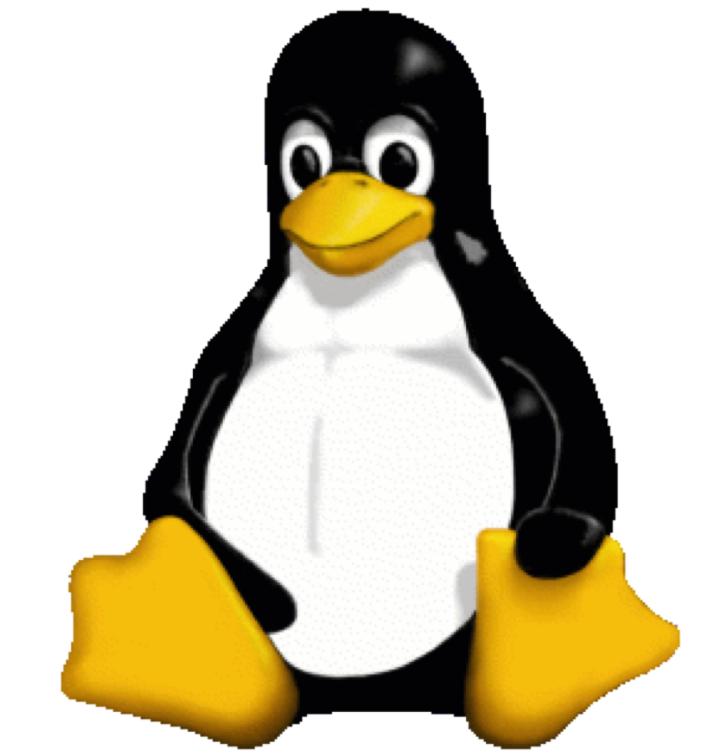


Windows 10

October 2018 Update



macOS Mojave



Linux 64-bit

Ubuntu & Red Hat
Enterprise
(Delphi Only)



Android Pie



iOS 12

Officially Supporting