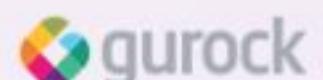
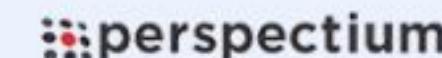


Embarcadero & Idera

Embarcadero is

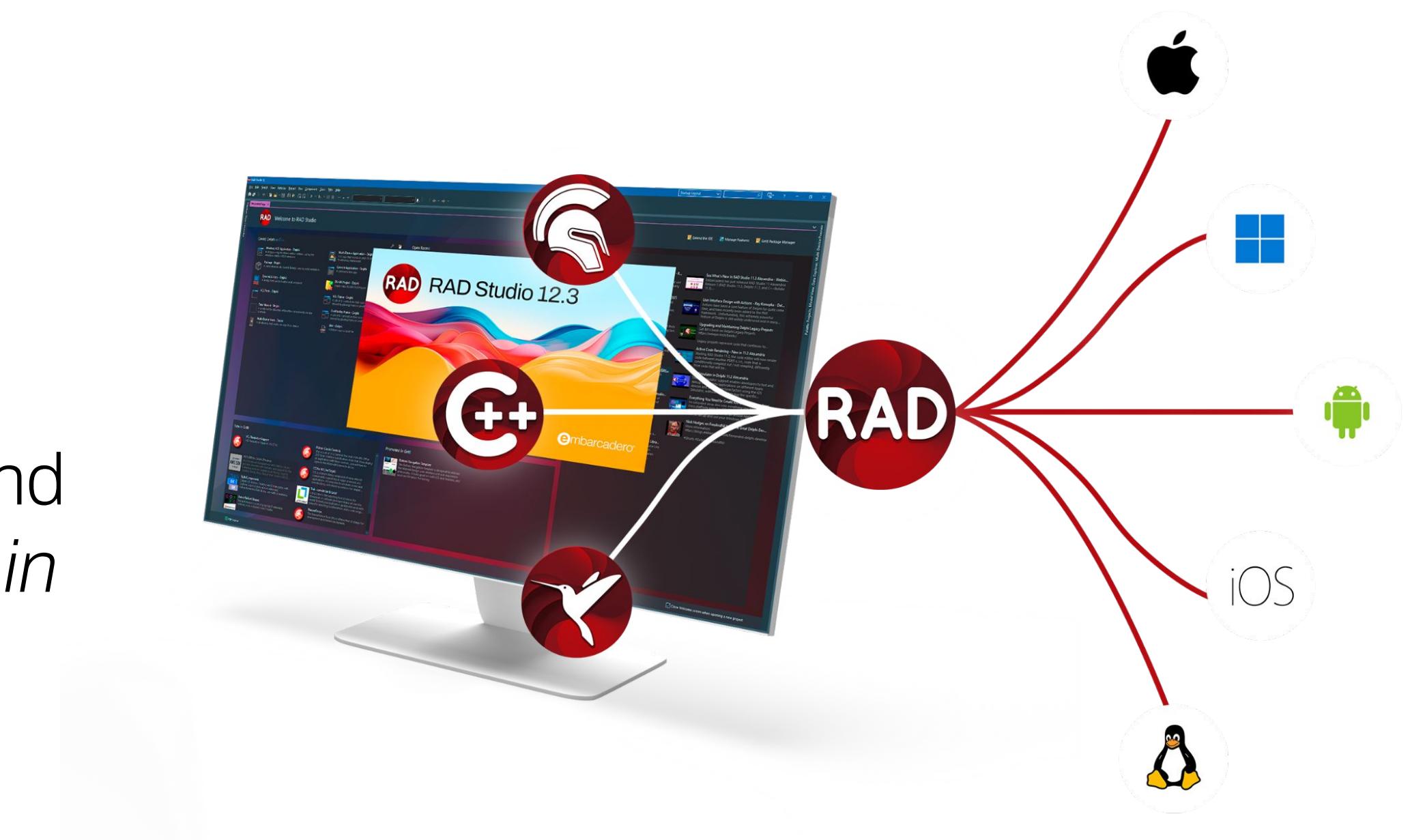
- Owned by Idera, www.ideracorp.com
- Part of the Dev Tools division



What is RAD Studio?

RAD Studio is an

- Advanced IDE for
- Visually building
- High-performance
- Platform-native apps for
- Windows, Linux, iOS, macOS and Android *from a single codebase in Delphi*
- Windows *in C++*



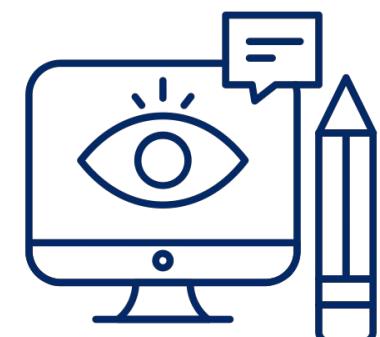
What is Great in RAD Studio?



Developer Productivity

Shipping is a feature.
Get to market 5x faster.

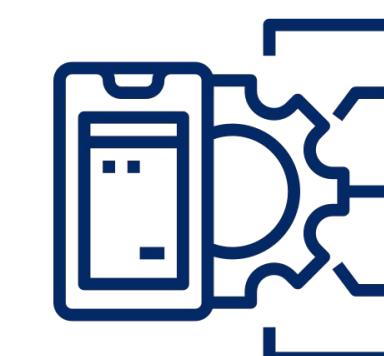
Visual Designers
Forget prototyping in
another tool, just
design it and finish it
in one IDE



Fast Native Apps
Native compilers give your
apps the speed they need.



Strong Community
Technology Partners,
MVPs, trainers, authors
and developers –
worldwide



Platform API Access

Gives you access to all
the platform APIs on all
platforms.

Database Access

Key to Delphi's initial
design, database
access is
easy and fast.

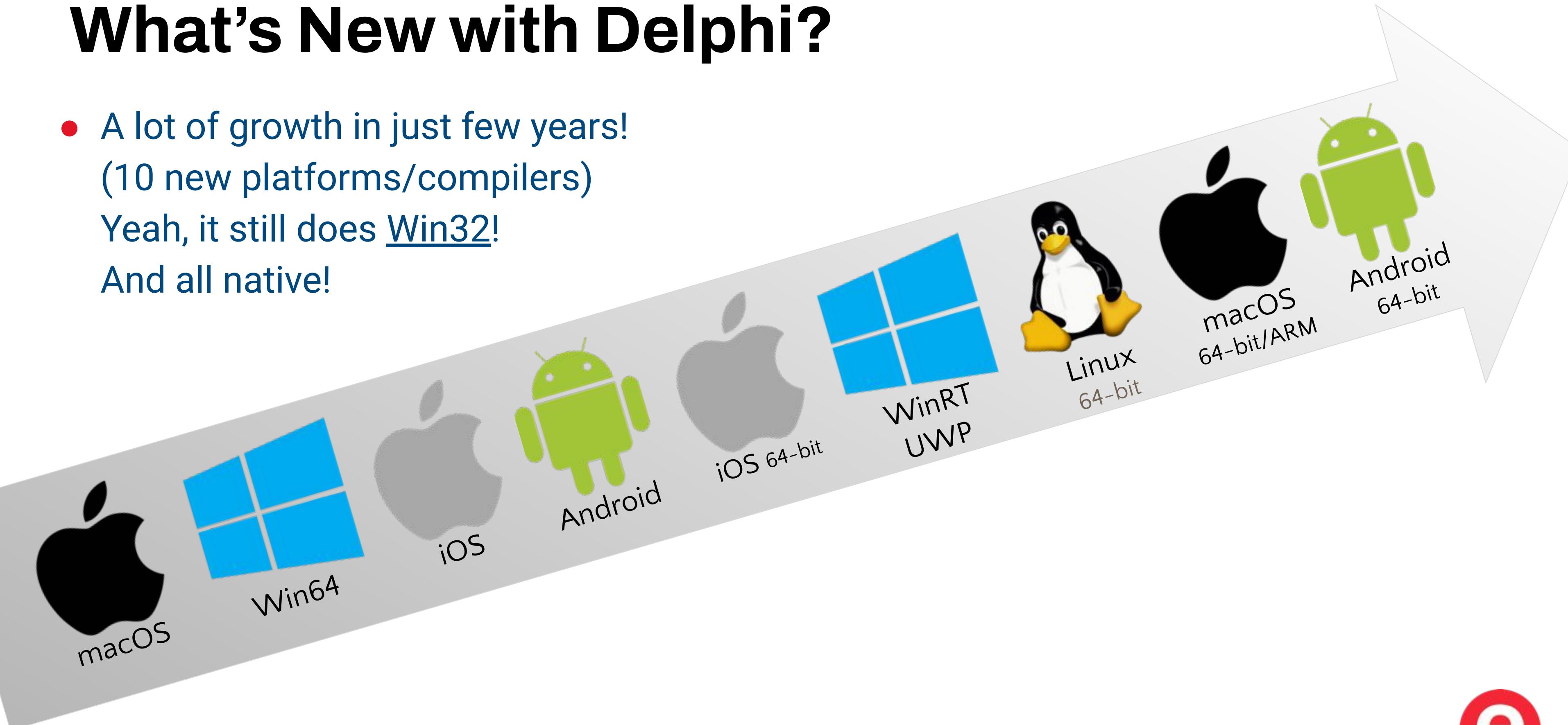


Backward Compatibility

You have an investment
in your code, keep your
code relevant.

What's New with Delphi?

- A lot of growth in just few years!
(10 new platforms/compilers)
Yeah, it still does Win32!
And all native!



RAD Studio

Single Project file

C++ or Delphi (OP)



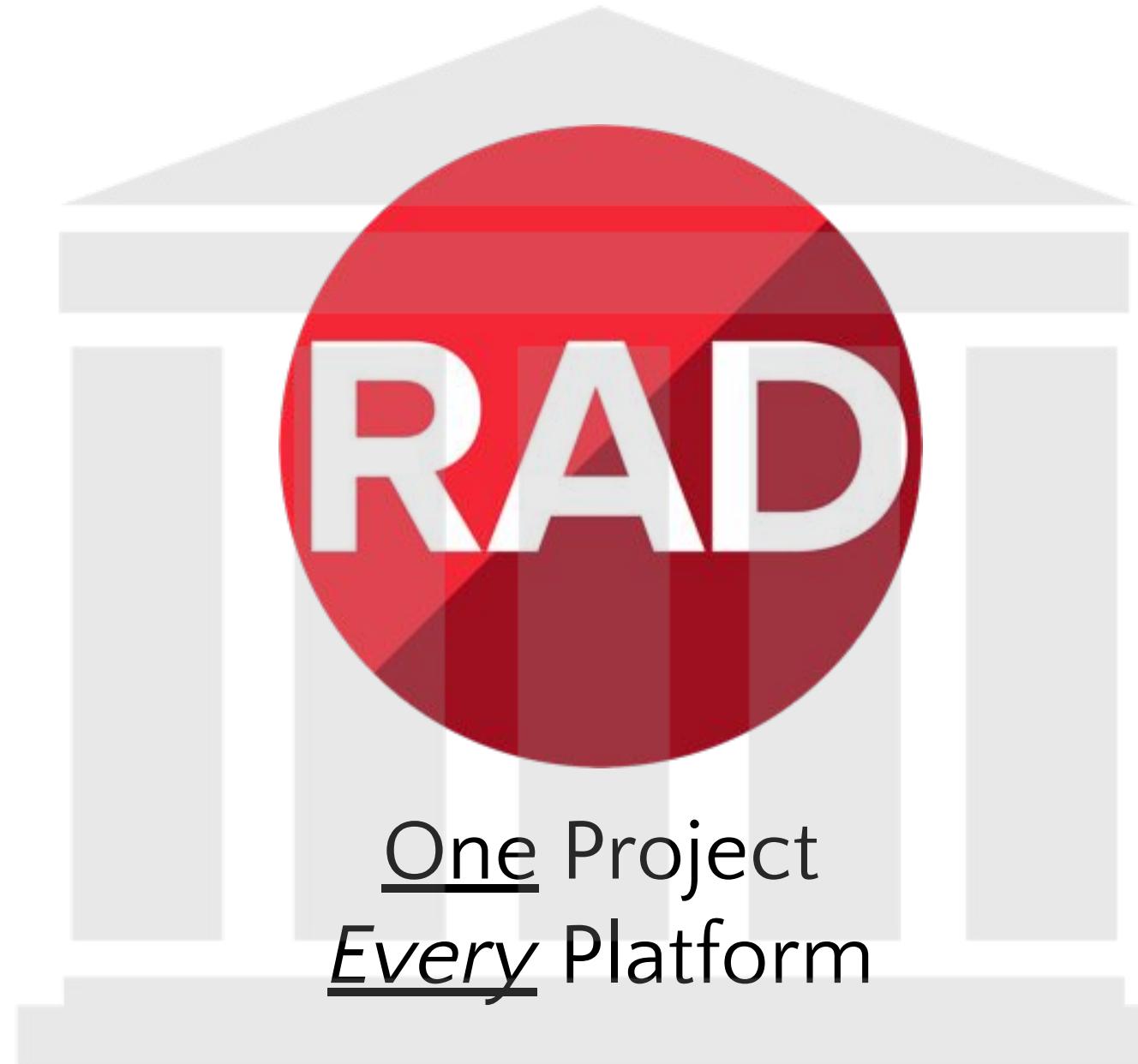
FMX layout

Optional Platform Variations

Resources

VCL, FMX & RTL Libraries

Platform APIs



What's New with Delphi?

2010: XE - Amazon EC2 & Microsoft Azure Cloud support

2011: XE2 - 64-bit Windows & macOS, FireMonkey, VCL Styles

2012: XE3 - Support for Device sensors, expanded FireMonkey features, FireDAC

2013: XE4 - iOS platform with Mobile Form Designer

2013: XE5 - Android platform, REST Services client library

2014: XE6 - In-App payments and advertising support, App Tethering

2014: XE7 - FireUI & Platform Services integrate mobile & desktop, Parallel Programming Library

2015: XE8 - Beacons, Asynchronous Programming Library, iOS 64-bit, Multi-device preview

What's New with Delphi?

2015: 10.0 Seattle - Windows 10 & Windows RT API, MongoDB, Android Services & Intents

2016: 10.1 Berlin - Enterprise Mobility Services (EMS/RAD Server), BeaconFence

2017: 10.2 Tokyo - Linux (64-bit) platform, VCL High-DPI

2018: 10.3 Rio - New Delphi language features, PerMonitorV2, FMXLinux, Android platform controls, Enterprise Connectors, Android & macOS 64-bit

2019: 10.4 Sydney - New LSP, Custom Managed Records, New C++ Debugger/Linker, New EdgeBrowser, New TTitleBarPanel

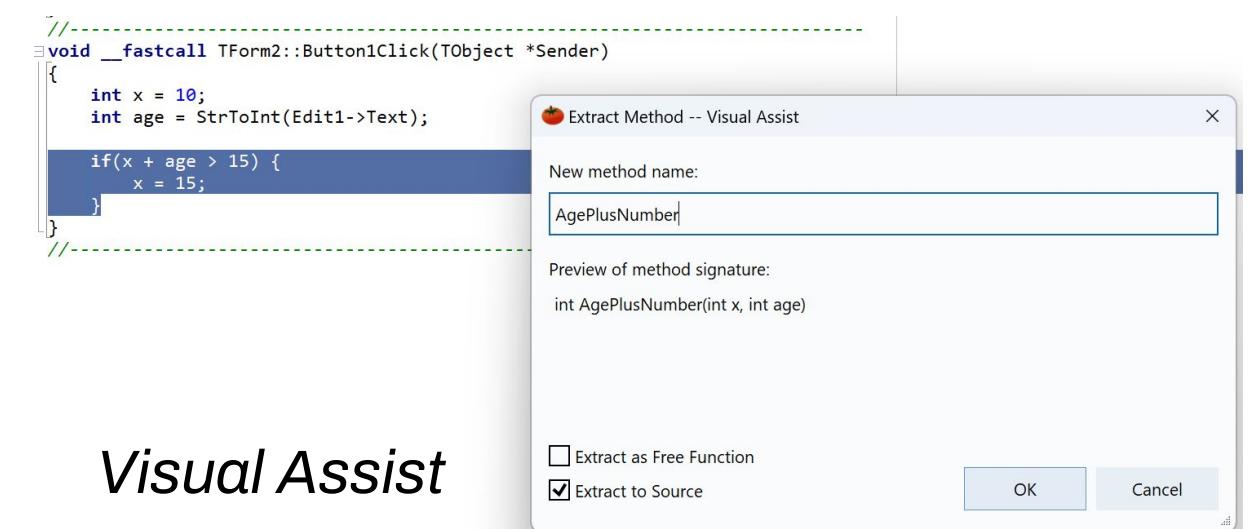
2021: 11 Alexandria - High DPI IDE, VCL Styles in the Designer, New Welcome Page, macOS ARM 64-bit (and Intel), Android 32 API support



Highlights of RAD Studio 12.x (so far)

RAD Studio 12 Athens was a *Mega Release*

1. C++
 - Visual Assist
 - New Clang Tech Preview
2. Installer & IDE
 - Multidevice Icons
 - Improved VCL Designers and ToolsAPI
3. FireMonkey & Skia
 - Skia UI Controls, rendering, graphic formats and way more (and VCL as well)
 - TMemo and TEdit improvements
4. VCL
 - MDI and Tab based UIs
 - Fonts and Screen, Components improvements
4. Data
 - JSON Data Binding
 - FireDAC Secure Coding
 - Sqids for RAD Server
5. Delphi
 - String literals improvements
 - Circular Uses Statements
6. Quality
 - *How many bug fixes this release?!*

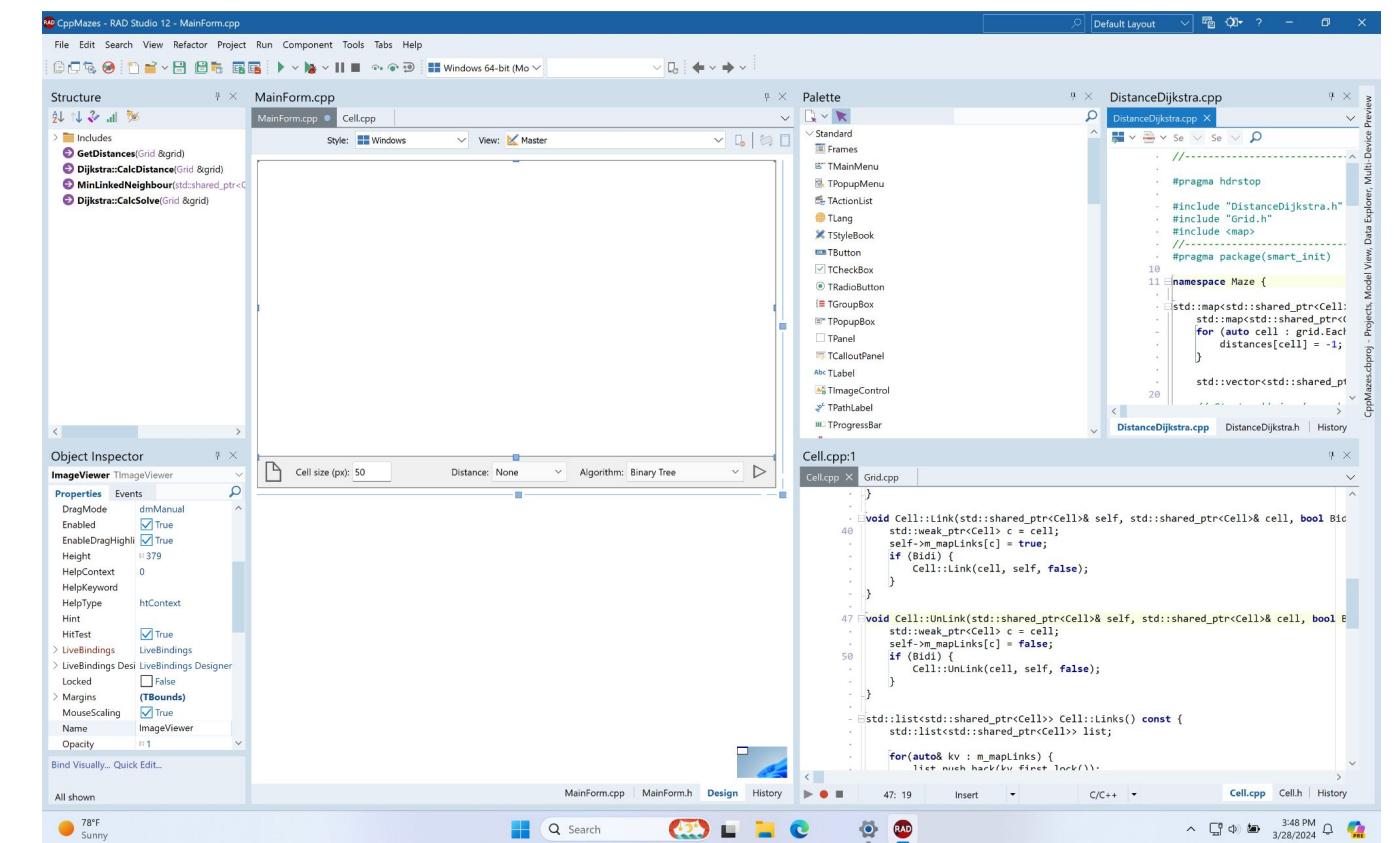


Visual Assist

RAD 12.1 Summary: Focus on Quality

- With some substantial features
 - Editor split views and other IDE enhancements
 - The delivery of the new C++Builder Win64 Clang compiler
 - Android API level 34 support

- Quality highlights including
 - C++ Builder VA integration
 - VCL and extensive FireMonkey quality
 - RTL, database, etc



Editor split views

RAD Studio 12.2: Web and AI

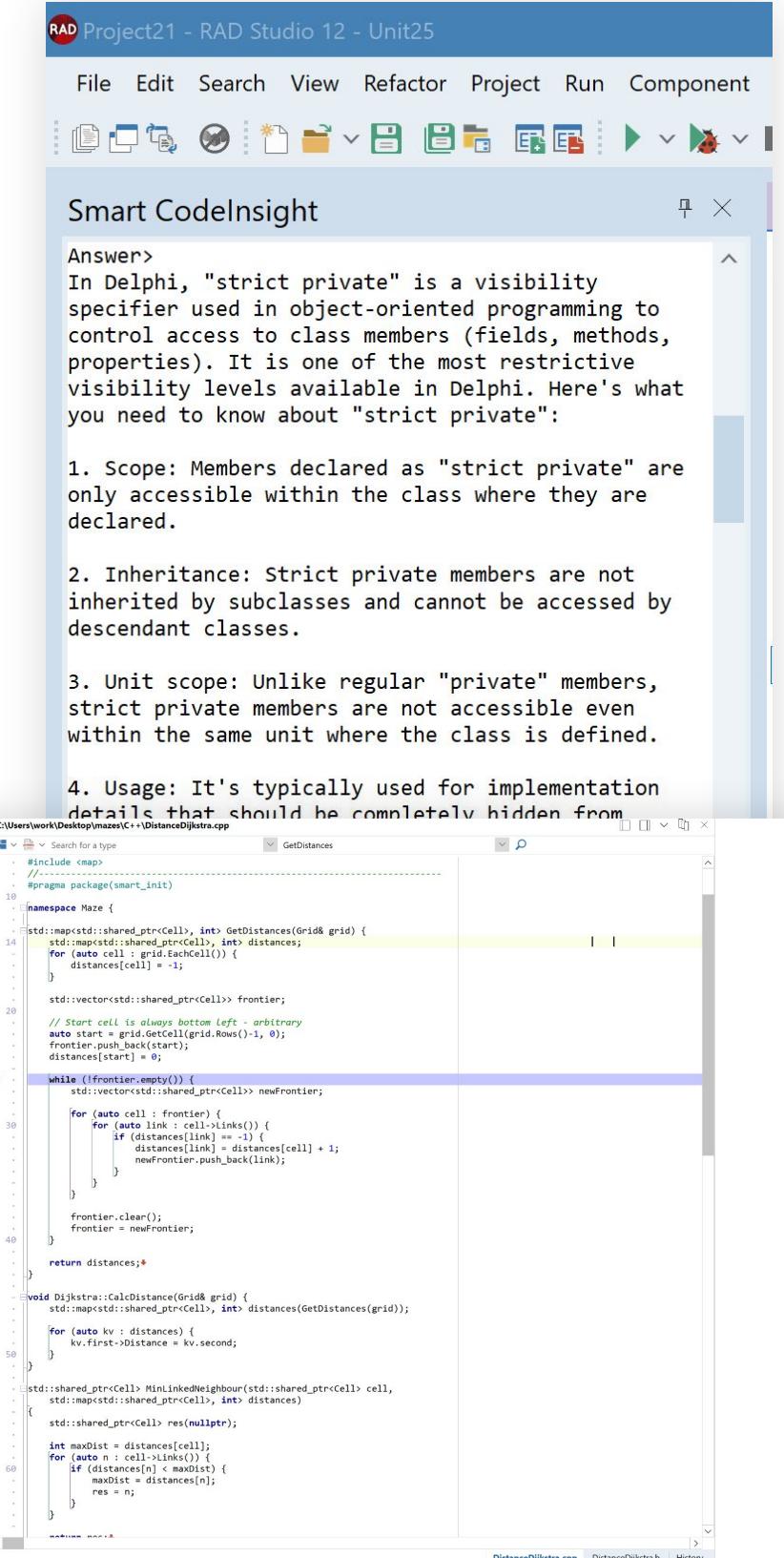
● New Features

- Modernized C++ Compiler and Toolchains
- Delphi 64-bit compilers and tools
- Smart CodeInsight
- Focus Mode and Scrollbar Annotations
- WebStencils

● Quality

- Improved Mobile Development
- Visual Assist for C++ Builder Enhancements
- Quality, Quality, Quality

Smart CodeInsight Chat



Answer>
In Delphi, "strict private" is a visibility specifier used in object-oriented programming to control access to class members (fields, methods, properties). It is one of the most restrictive visibility levels available in Delphi. Here's what you need to know about "strict private":

1. Scope: Members declared as "strict private" are only accessible within the class where they are declared.
2. Inheritance: Strict private members are not inherited by subclasses and cannot be accessed by descendant classes.
3. Unit scope: Unlike regular "private" members, strict private members are not accessible even within the same unit where the class is defined.
4. Usage: It's typically used for implementation details that should be completely hidden from

```
C:\Users\work\Desktop\maxesC++\DistanceDijkstra.cpp
1 //-----
2 //-----
3 #pragma package(smart_init)
4
5 namespace Mate {
6
7     std::map<std::shared_ptr<Cell>, int> GetDistances(Grid& grid) {
8         std::map<std::shared_ptr<Cell>, int> distances;
9         for (auto cell : grid.GetAllCells()) {
10             distances[cell] = -1;
11         }
12
13         std::vector<std::shared_ptr<Cell>> frontier;
14         // Start cell is always bottom-left - arbitrary
15         auto start = grid.GetCell(grid.Rows() - 1, 0);
16         frontier.push_back(start);
17         distances[start] = 0;
18
19         while (!frontier.empty()) {
20             std::vector<std::shared_ptr<Cell>> newFrontier;
21             for (auto cell : frontier) {
22                 for (auto link : cell->Links()) {
23                     if (distances[link] == -1) {
24                         distances[link] = distances[cell] + 1;
25                         newFrontier.push_back(link);
26                     }
27                 }
28             }
29             frontier.clear();
30             frontier = newFrontier;
31         }
32
33         return distances;
34     }
35
36     void Dijkstra::CalcDistance(Grid& grid) {
37         std::map<std::shared_ptr<Cell>, int> distances(GetDistances(grid));
38
39         for (auto kv : distances) {
40             kv.first->Distance = kv.second;
41         }
42
43         std::shared_ptr<Cell> MinLinkedNeighbour(std::shared_ptr<Cell> cell,
44                                                 std::map<std::shared_ptr<Cell>, int> distances);
45
46         std::shared_ptr<Cell> res(nullptr);
47         int maxDist = distances[cell];
48         for (auto n : cell->Links()) {
49             if (distances[n] < maxDist) {
50                 maxDist = distances[n];
51                 res = n;
52             }
53         }
54
55         return res;
56     }
57 }
```

Editor Focus Mode



<RAD Studio 12.3 Athens>

- *12.x Projects Completion*
- *Android API Level 35*
- *64-bit IDE – Initial Release*
- *Quality & Quality*

RAD Studio 12.3 Themes



12.x Projects Completion

12.x Projects Completion: C++ Modern Win64

- Lots of **Quality** – focus is on revising the new platform before moving forward
- Performance:
 - Debugging: LLDB formatters (like visualisers) for types like std::map, vector, etc
 - **optimised**: many rewritten in C++
 - And **more** compiler performance!
 - Up to 15% faster in general *just by using 12.3*
 - And a *further* 5-6% faster when using UTF-8 with BOM!
(Yes, the Modern STL is shipped UTF-8.)
- Smaller feature: some compatibility additions for old RTL (bcc) with Modern
 - Plus some macros in bcccompat.h
 - Goal is: help get old code compiling with Modern



12.x Projects Completion: C++ Modern Win64

But revising was not only quality & performance.

The new toolchain is a foundation for the future.

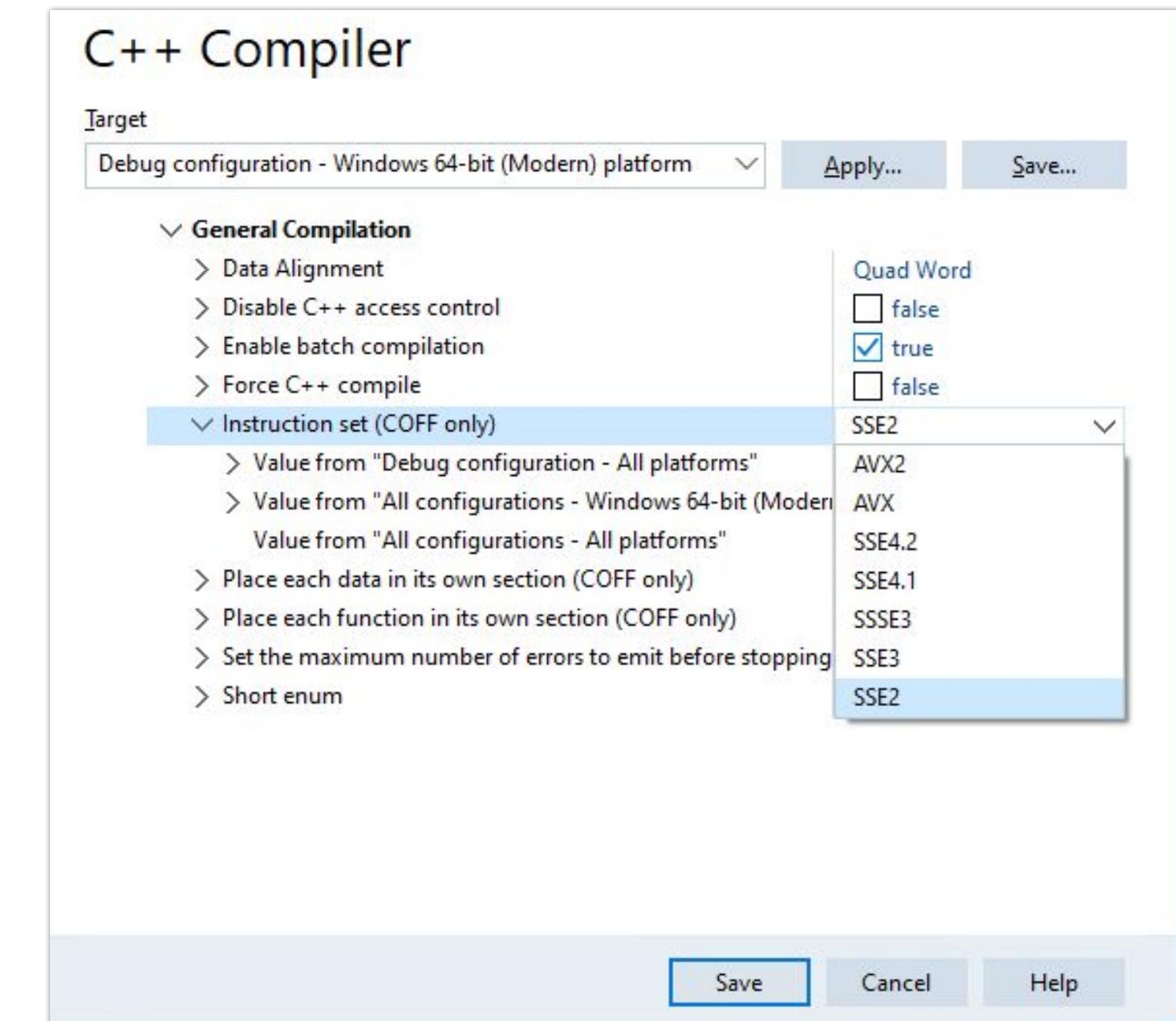
So: even in a ‘pause and revise’ quality release,
what has this solid foundation let us create and deliver to you?

12.x Projects Completion: C++ Modern Win64

- **Instruction sets:**

- Past: SSE2 supported
- Now: Official support for six new instruction sets: SSE3, SSSE3, SSE 4.1 & SSE 4.2; AVX; and AVX-2
- Some great for floating-point work; some great for integer work
- **All are great for code performance!**

Not only a great optimizer, but it can use modern CPU instructions!



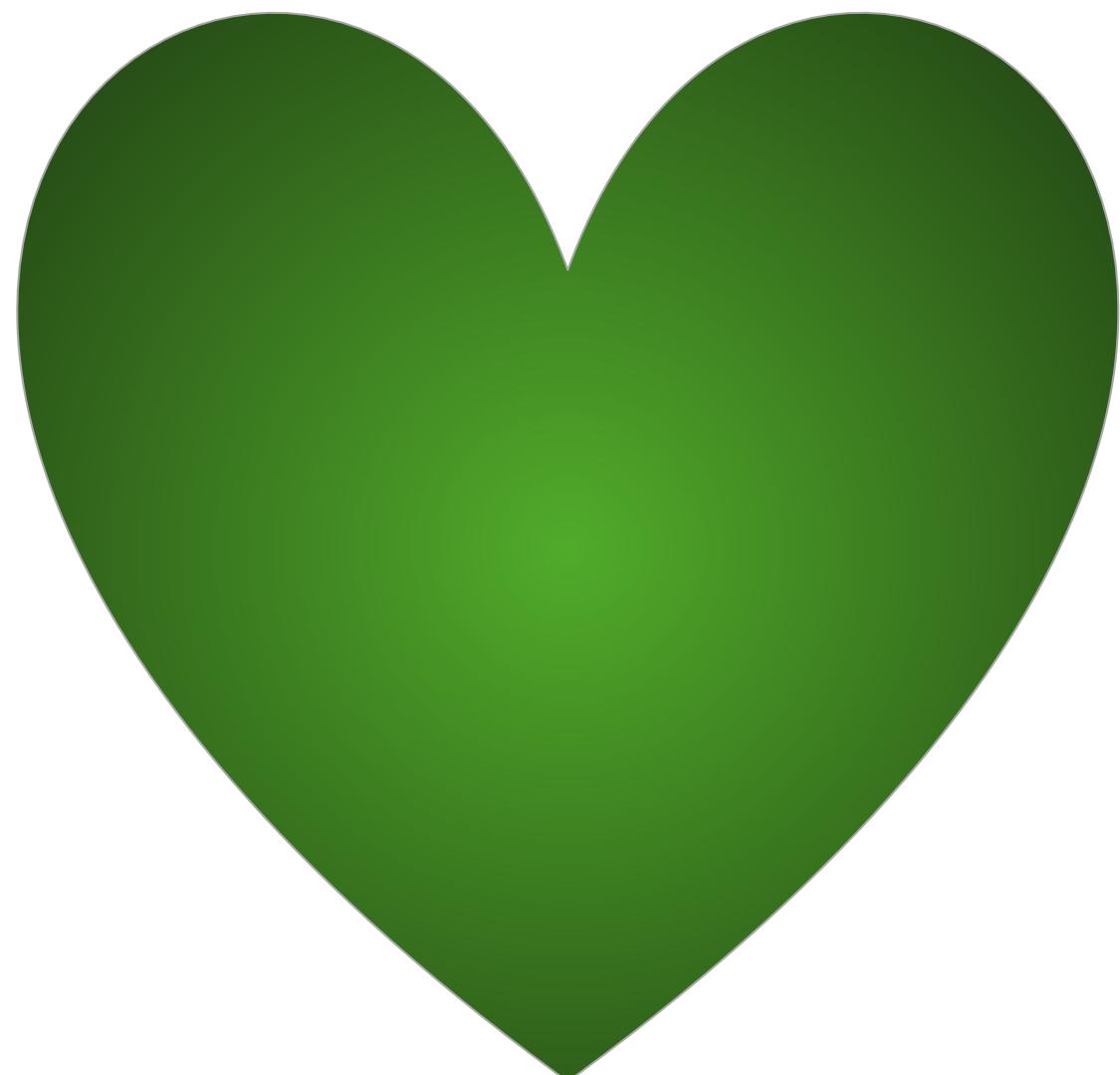
12.x Projects Completion: C++ Modern Win64

- New **Safety** section for increasing safety and security in your app:
 - This adds two **Sanitizers!**
 - Runtime correctness checking (a bit like CodeGuard)
 - Address Sanitizer
 - Undefined Behaviour Sanitizer
 - Very major, long-standing customer request
and it's here
 - Note: run asan-enabled apps from the command line (best to handle errors & see full output)



12.x Projects Completion: C++ Modern Win64

- **Quality**
- **Debugger performance**
- Some assistance **upgrading from classic**
- Even faster **compiler performance**: 12.2 was CPU-saturating, on by default, and we *just made that up to 20% faster still*
- Six new **instruction sets**
- Two **sanitizers**

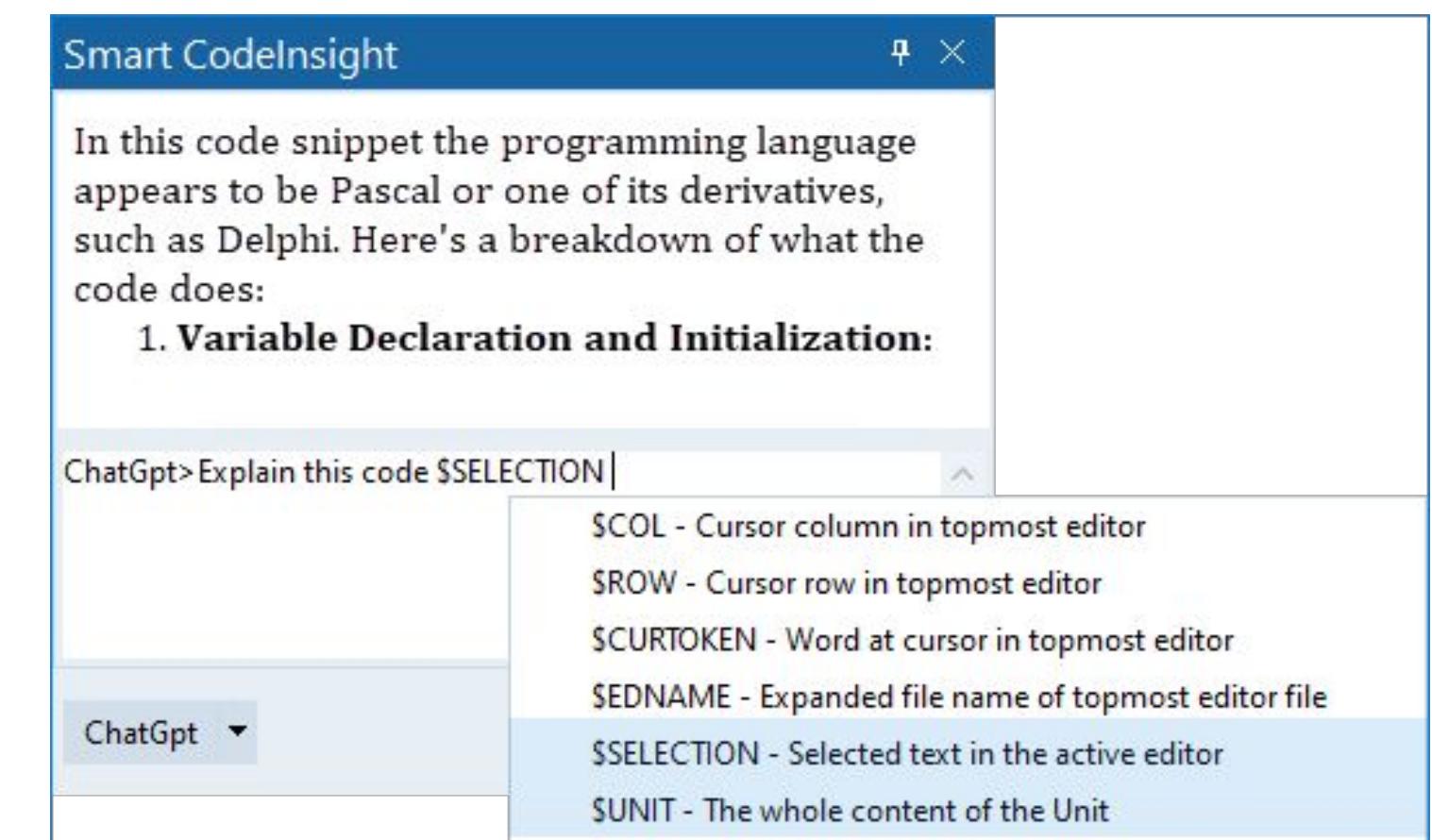


We ❤️ C++. We strongly recommend switching to the Modern toolchain!

12.x Projects Completion: Smart CodeInsight

RAD Studio open architecture for AI plugins, offering ready-to-use support for three online solutions (OpenAI, Gemini by Google, and Claude by Anthropic) and one offline solution (Ollama)

- Chat window supports Markdown
- More integration of chat and Editor
 - Read editor context from the Chat window via button or text macro
 - Current editor selection
 - Current active unit
 - Display editor command results in Chat window (using Markdown) rather than editor comment



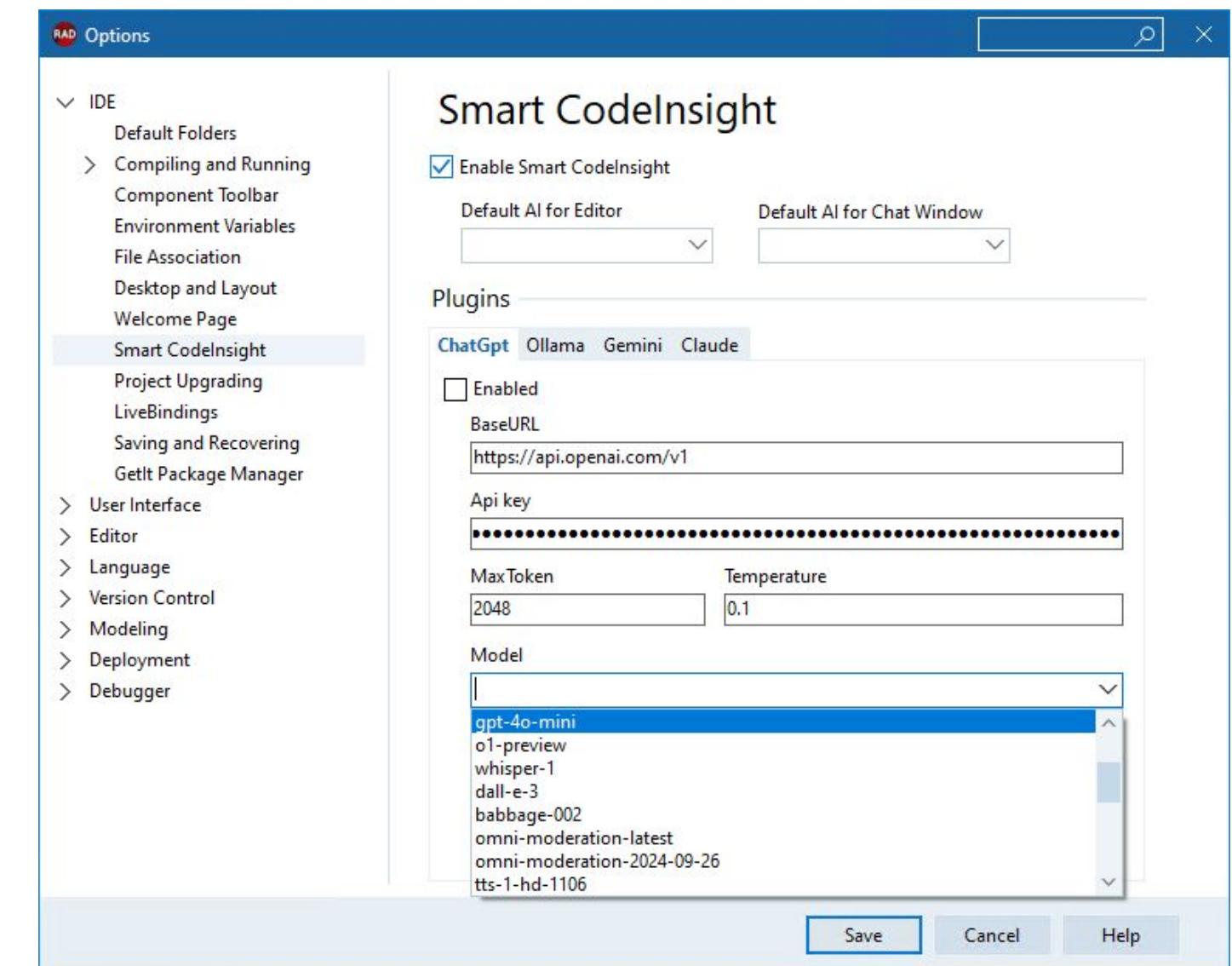
Smart CodeInsight Chat with MarkDown and macros

12.x Projects Completion: Smart CodeInsight

● Smart CodeInsight

- List of models in configuration dialog
 - Always updated list of available models
 - Directly refreshed from engine
- New Find Unit / Header (AI) command
 - Select a type or symbol and find the required uses or include statement via AI

Smart CodeInsight Options



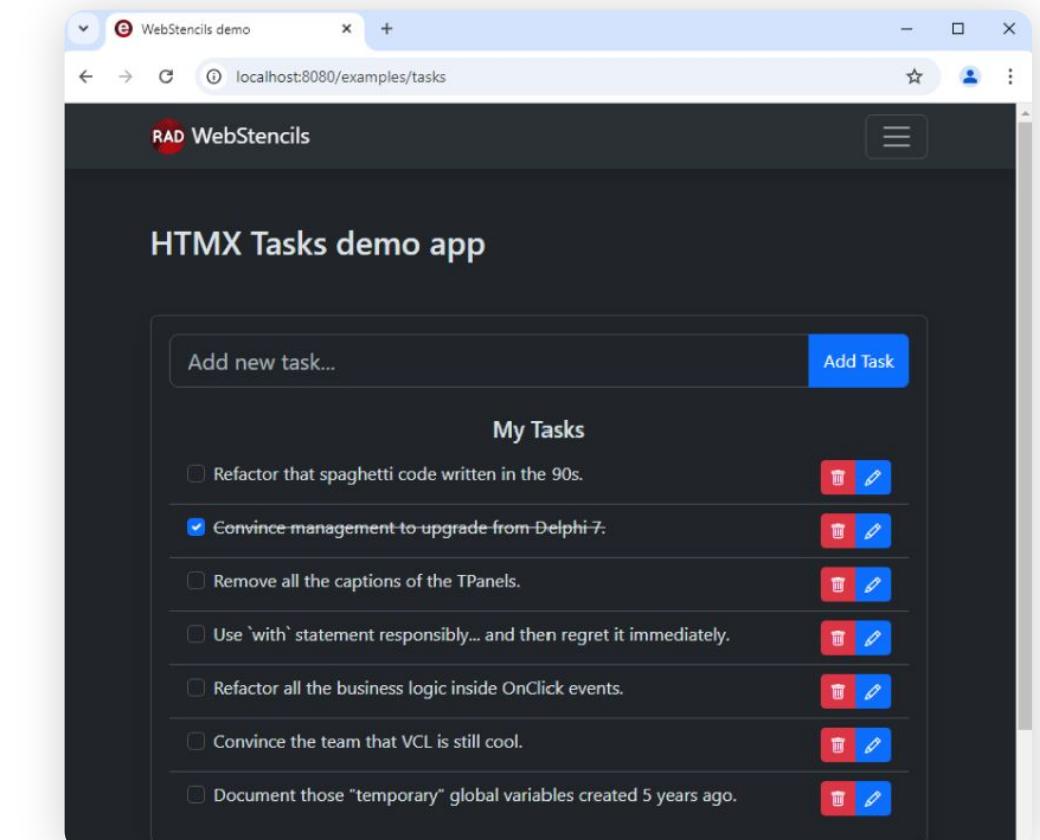
12.x Projects Completion

- **Delphi Compiler 64-bit binary**

- Quality focus for the 64-bit binary compilers for Win32 and Win64 introduced in 12.2

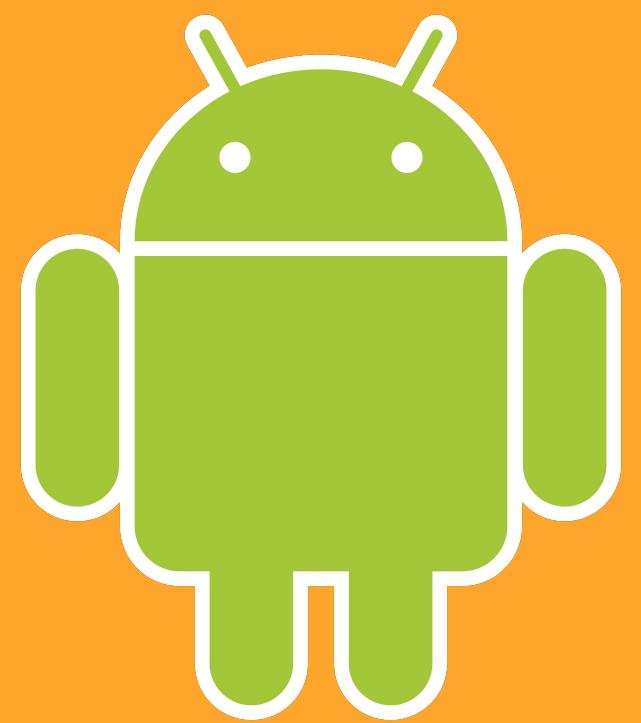
- Now available to all customers (including Professional SKU)

HTMX and WebStencils



- **WebStencils**

- Access to nested objects and nested data types (with the `@object.subobject.value` notation)
 - More flexible processing of the “@” symbol



Android API
Level 35

Android API Level 35

- New API level, required by Play Store in August 2025
 - Default value of the targetSdkVersion manifest attribute is now 35
- Many related improvements and changes:
 - Updated the NDK version to 27.1.12297006
 - Updated the SDK to 16.0 version of the Command-line Tools
 - Added support for 16 KB page sizes (compiler, linker, packager and bundletool)
 - New compiler option --allow-rosegment
 - For compatibility with older versions of Android, < API 29
 - New provisioning options and user permissions
- Delphi supports state-of-the-art Android development





64-bit IDE
Initial Release

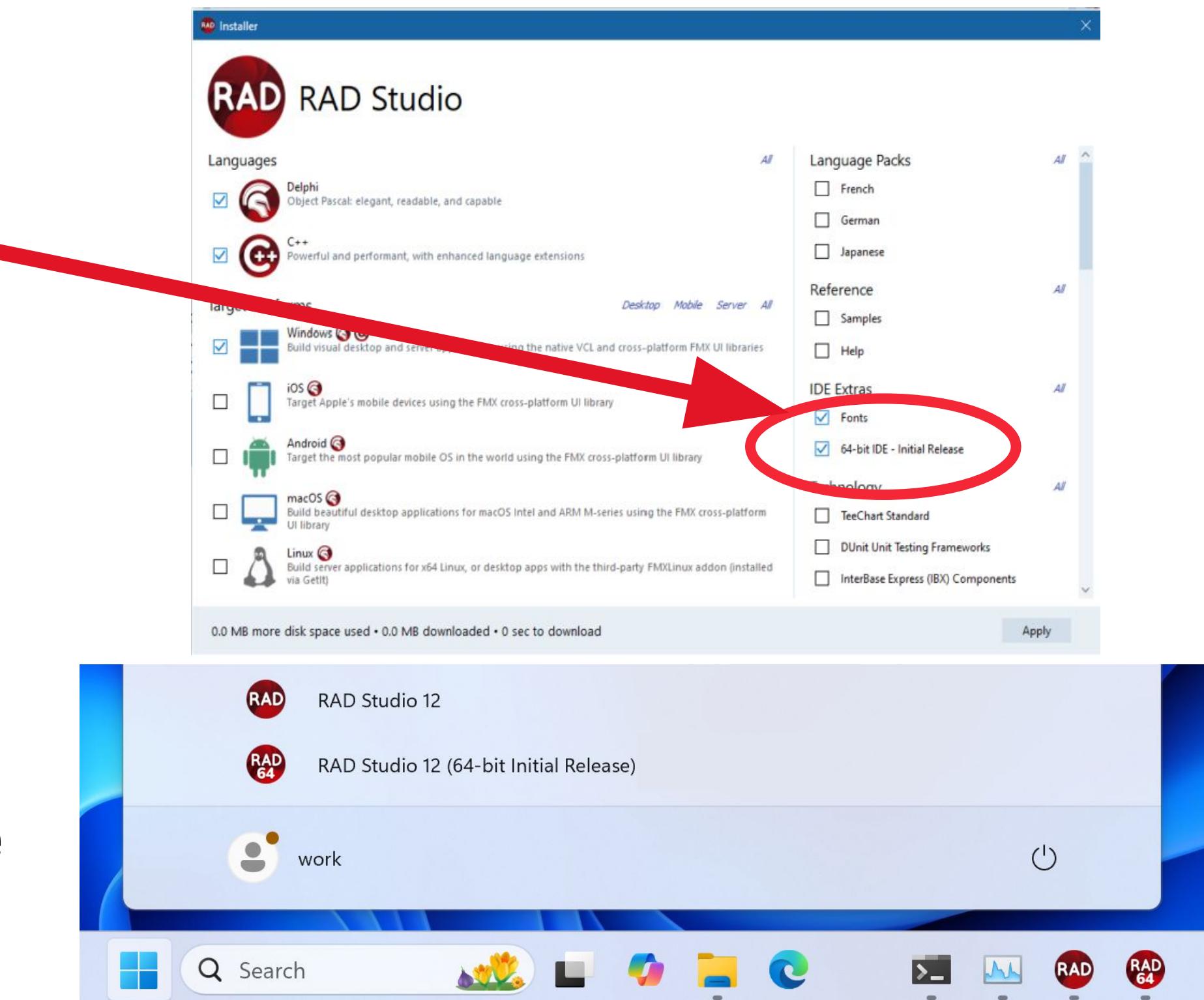
64-bit IDE – Initial Release

- 12.3 includes: the Initial Release of a 64-bit build of the RAD Studio IDE
- Key value:
 - 64-bit memory size when compiling Delphi in-IDE
 - 64-bit database drivers
 - ...and it's a 64-bit world!
Windows is 64-bit, and 32-bit apps run via WoW.
- A *really exciting* and a *massive* product milestone!



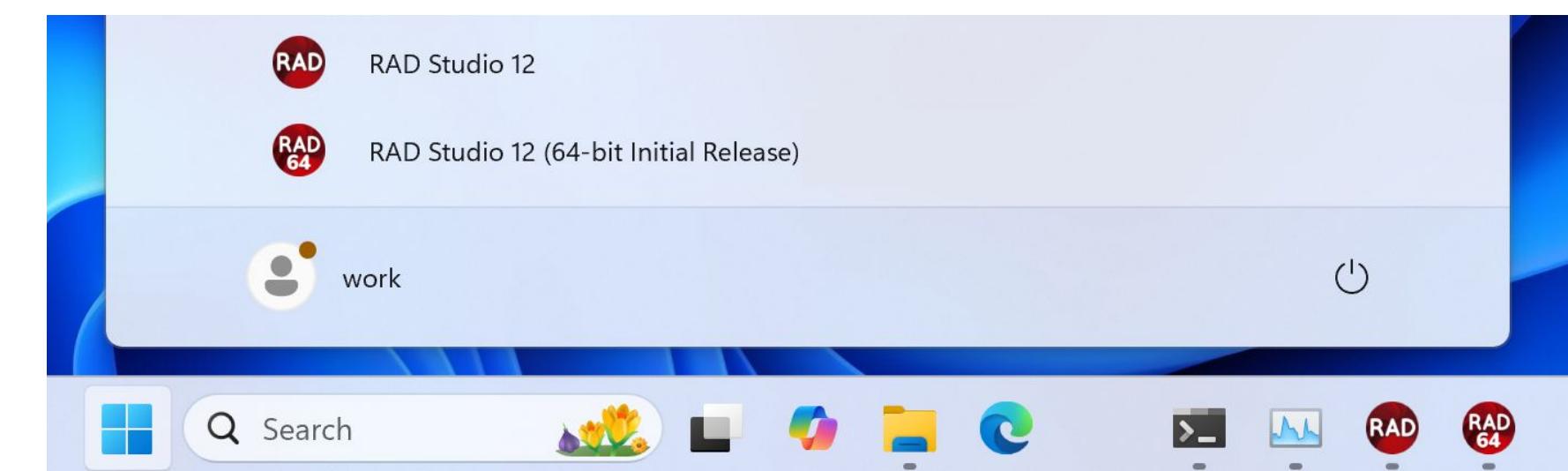
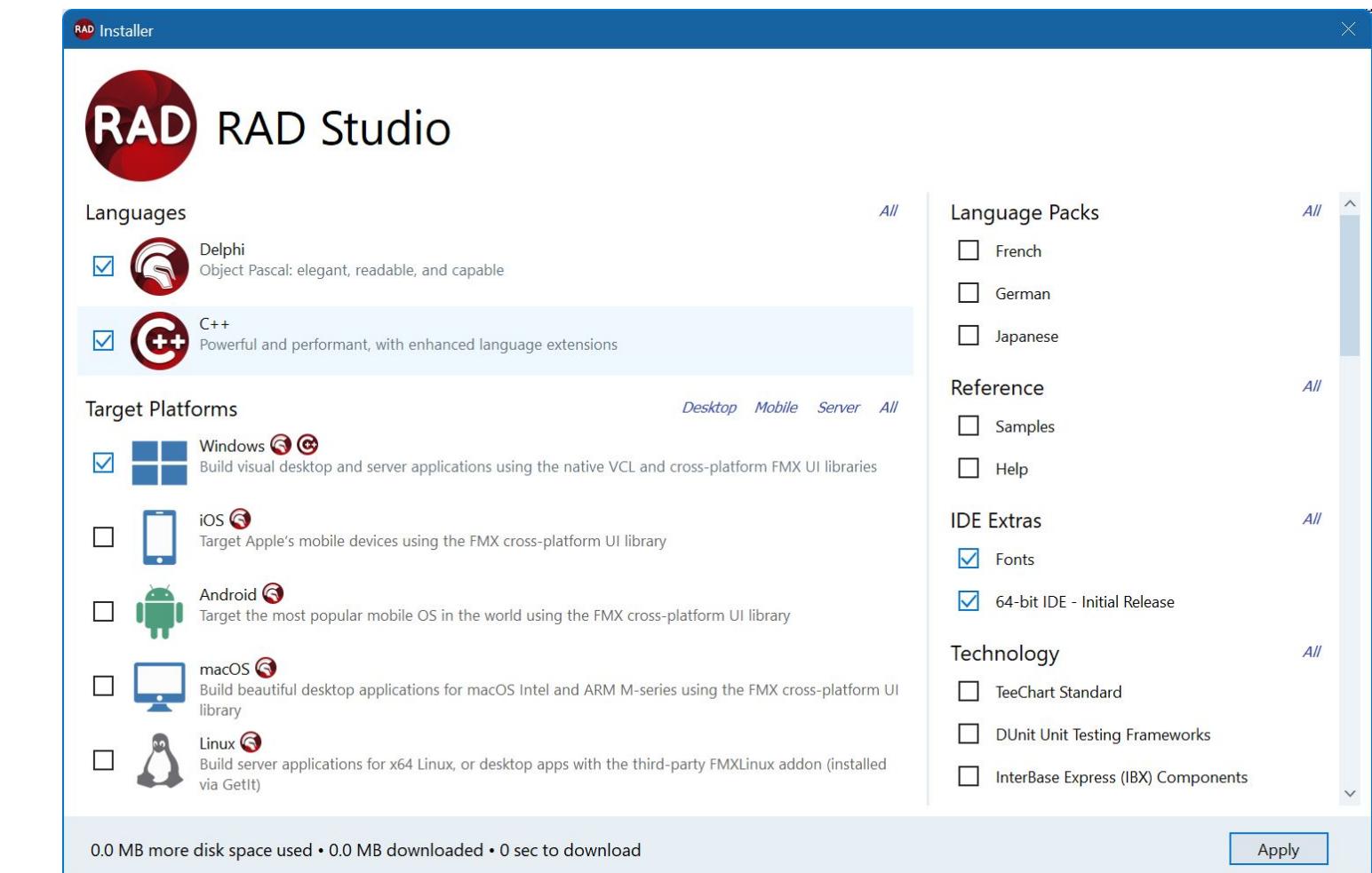
64-bit IDE – Initial Release

- Optional install (right-hand side)
side by side with 32-bit IDE
- The 32-bit IDE
 - Remains in the product
 - Is always installed
 - **Remains the default** in 12.3
- You can use either or both at once



64-bit IDE – Initial Release

- Optional install (right-hand side) **side by side** with 32-bit IDE
- The 32-bit IDE
 - Remains in the product
 - Is always installed
 - **Remains the default** in 12.3
- You can use either or both at once



As the Initial Release
– *the first version* –

the 64-bit IDE does not yet feature-match the 32-bit IDE.

The 32-bit IDE remains the default in *this* release.

64-bit IDE – Initial Release has Core Scope

- Compile and debug Delphi and C++ VCL & FMX apps for **Win64 / Win64 Modern**
 - Form design (both VCL & FMX)
 - Our components
 - Code editing
 - Debugging
 - Databases
 - ToolsAPI
- ie, fundamental / core features
- Out of scope in *this* release:
 - Non-Win64 platforms (including C++ legacy Win64 – it supports *Win64 Modern*)
 - Visual Assist for C++
 - Type Library support (i.e. ActiveX projects)
 - Delphi Refactorings and Metrics
 - Live Templates



64-bit IDE – Initial Release Is Win64 Only

- Win64 target only...
- ...so what happens if you open a project with another target? Win32? iOS?
- When opening a project, other platforms are **temporarily** hidden



64-bit IDE – Initial Release is Win64 Only

32 → 64 → 32

- ▼  Target Platforms (Windows 32-bit)
 - >  Android 32-bit - Android SDK 34.0.0
 - >  Android 64-bit - Android SDK 34.0.0
 - >  iOS Device 64-bit - iPhoneOS 17.2 -
 - >  iOS Simulator ARM 64-bit - iPhoneSi
 - >  macOS 64-bit - macbook profile
 - >  macOS ARM 64-bit - MacOSX 13.3 -
 - >  Windows 32-bit

- ▼  Target Platforms (Windows 64-bit)
 - >  Windows 64-bit

Non-Win64
temporarily
hidden.
(Win64 added if
not present)

- ▼  Target Platforms (Windows 32-bit)
 - >  Android 32-bit - Android SDK 34.0.0
 - >  Android 64-bit - Android SDK 34.0.0
 - >  iOS Device 64-bit - iPhoneOS 17.2 -
 - >  iOS Simulator ARM 64-bit - iPhoneSi
 - >  macOS 64-bit - macbook profile
 - >  macOS ARM 64-bit - Mac OSX 13.3 -
 - >  Windows 32-bit
 - >  Windows 64-bit

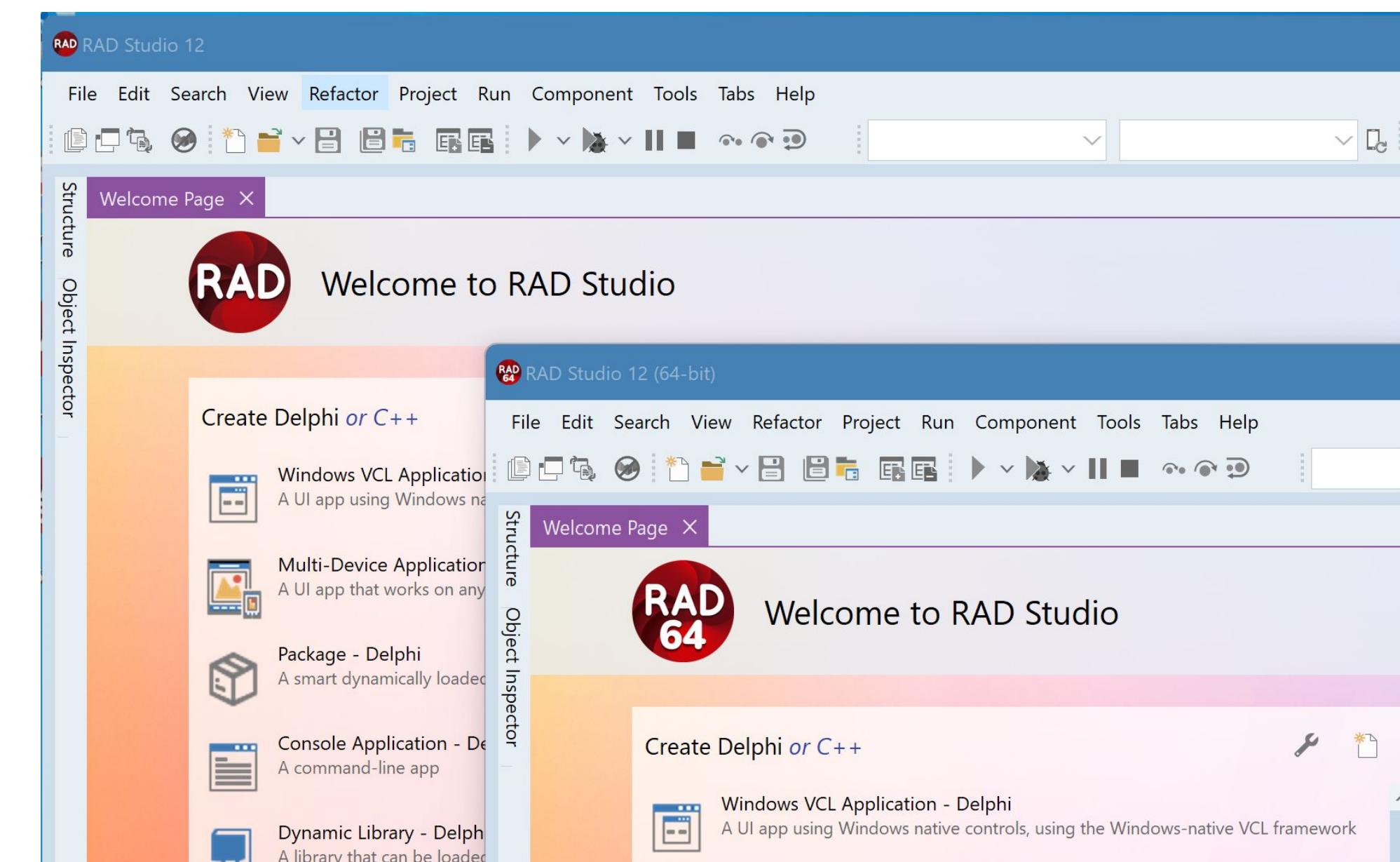
64-bit IDE – Initial Release Scope

- When opening a project, other platforms are **temporarily** hidden
- Win64 platform added if not already present
- Win32, iOS, Android, Linux, macOS, and C++ ‘legacy’ Win64 will be there, but *invisible*
 - They *reappear* when you reopen your project in the 32-bit IDE

You can *safely* make project changes in 64-bit IDE, save, and later re-open in the 32-bit IDE

64-bit IDE – Initial Release Scope

- New Delphi LLDB-based Win64 debugger
 - Used in the 64-bit IDE only
 - Should allow stepping between Delphi & C++ code!
 - Does not feature-match yet, but fundamentals present



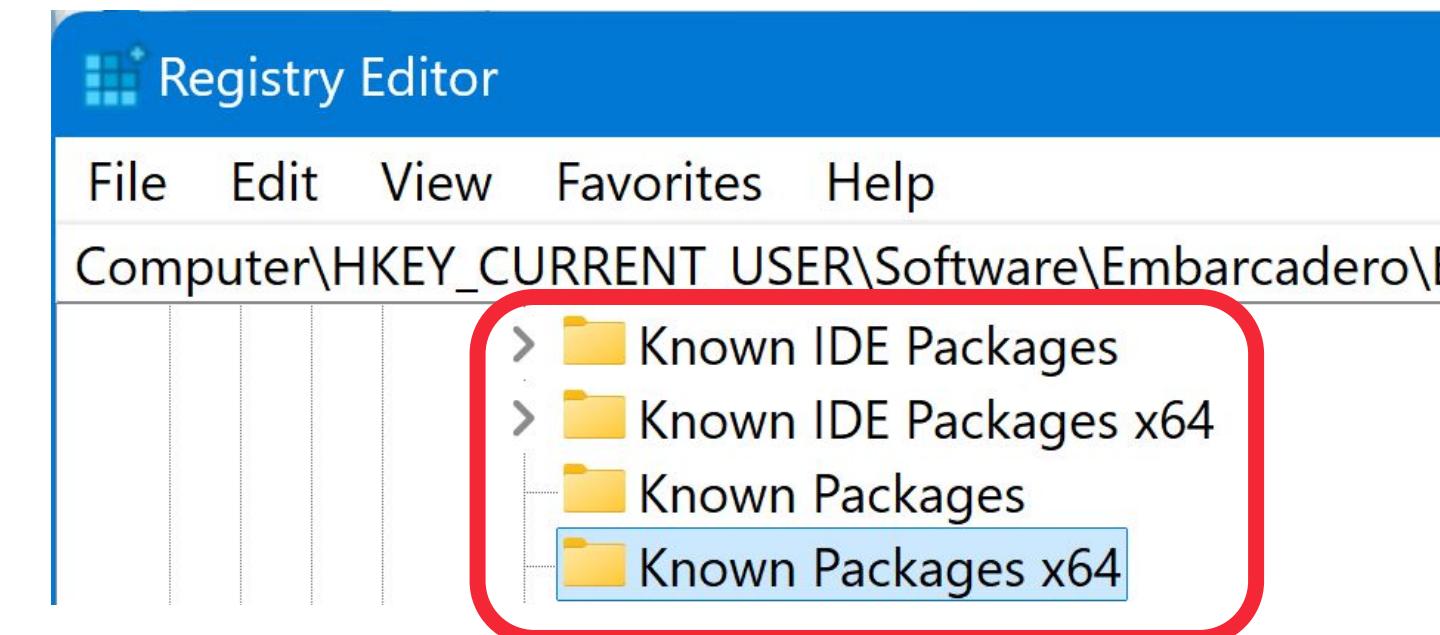


Let's see a demo!

**64-bit IDE
Initial Release**

Tech details: 64-bit IDE & Components

- Component packages need to support 64-bit
 - New *requirement*: have 64-bit design time packages
 - Most components already support runtime 64-bit – so design time is the biggest thing for vendors
- When opening a package in the 64-bit IDE:
 - The Win64 platform is added automatically
 - No other code changes required, if you have 64-bit-safe code. Register() etc still the same.
- Registry Settings
 - Most settings are shared (eg, look and feel, Open Recent, etc etc)
 - Components/packages/plugins & debugger are all IDE32/IDE64 separate



64-bit IDE – An Exciting Direction

- Initial Release
 - Further work planned over time*
 - In all editions (Pro, Ent, and Arch)
- You can use 32-bit & 64-bit together
- Access to:
 - 64-bit database drivers
 - 64-bit Delphi compiler
(C++ Modern already 64-bit, even in 32-bit IDE)
 - 64-bit memory space
- Modern direction: the world is 64-bit!



* Not committed until completed and GA released



12.3 Focus
on Quality

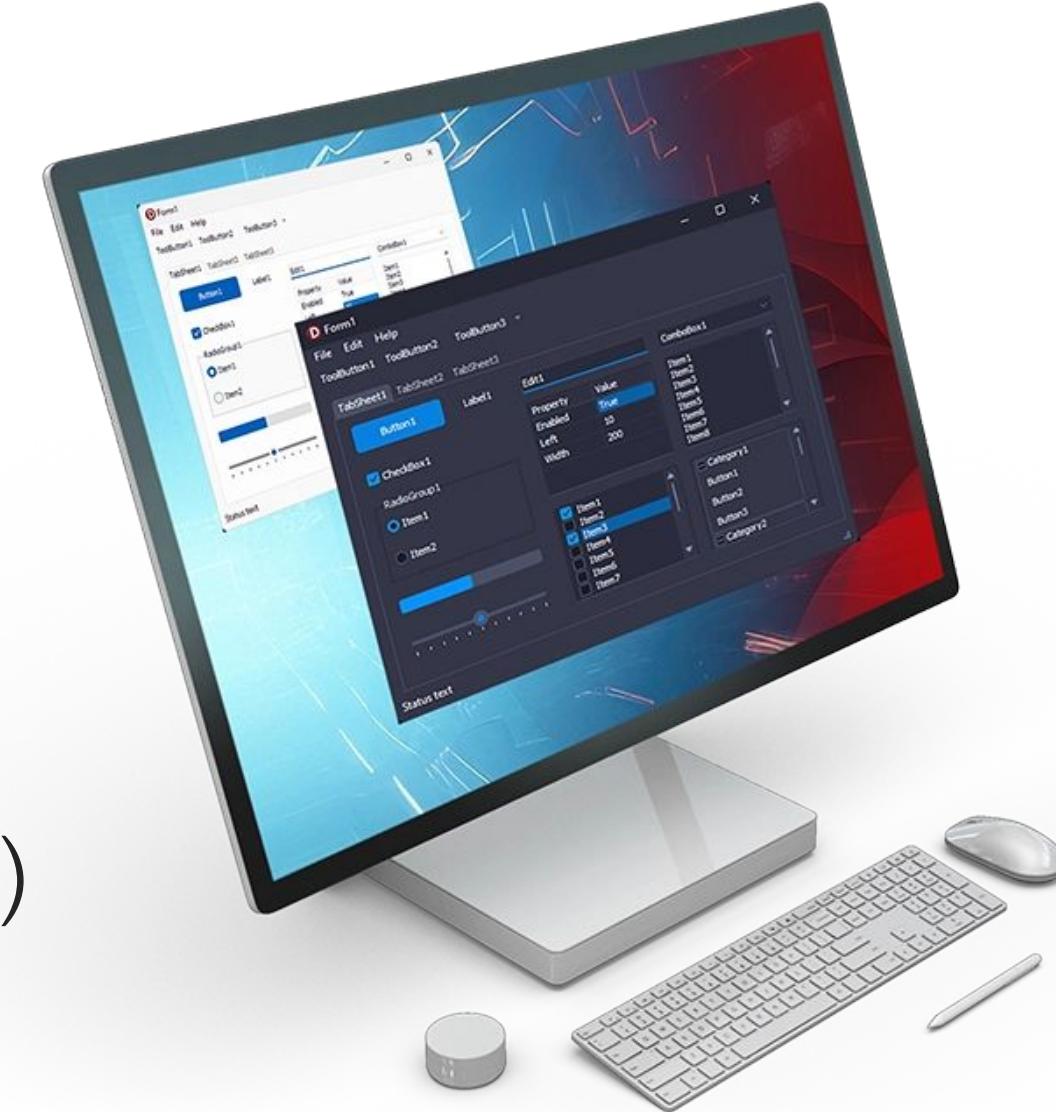
Quality & IDE

- DelphiLSP
 - Addressed some core compiler-related and LSP configuration issues
 - 64-bit engine for 32-bit IDE available to Pro customers
- VA for C++Builder
 - Integrated 12.2 Patch 1 and further cleanup
- IDE General
 - ToolsAPI tweaks, eg for closing the Wait dialog
 - Caret can be coloured, for visibility / accessibility
 - Quality (~120 issues resolved)!



Quality & Libraries

- WSDL Importer and SOAP Quality
 - Addressed some long standing issues
- BLE and Bluetooth
 - Improving core BLE issues (discovery, OnMTUChanged)
- VCL Quality
 - VCL styles, HighDPI, and enhancements to the TImageCollection editor
- FireMonkey Quality
 - Further work on TMemo, Skia4Delphi update to 6.3.0, improved dynamic style loading (non-Windows) and the Z-Order Manager (on Windows)
 - Command line VCL Style to FireMonkey Style Converter (vsf2fm.exe)



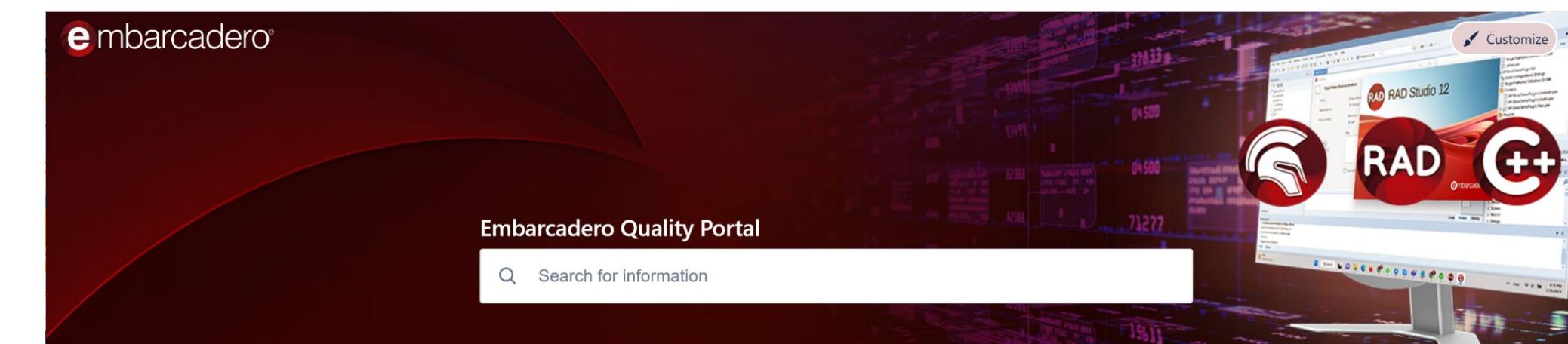
Quality & Data

- RAD Server Improvements
 - Better date and time formatting in JSON responses
 - Option to obfuscate (MD5 hash) MasterSecret and AppSecret in emsserver.ini
 - New concept of instance-wide custom variables
 - [EndpointHide] attribute to hide endpoints
- FireDAC and Database
 - Scripts for migration script from IBX to FireDAC (based on Refind tool)
 - Microsoft SQL Server 2022 and support for sequences
 - MySQL 8.4
 - MongoDB 8.0
 - Oracle DRCP (Database Resident Connection Pooling)



Quality & Portal

- Customer reports fixed: 350
 - 223 RSS tickets (new portal, qp.embarcadero.com)
 - 127 RSP tickets (old portal, quality.embarcadero.com)
 - Plus 19 public feature requests
- Total public tickets addressed (any resolution)
 - 501 bug reports
 - 39 feature requests

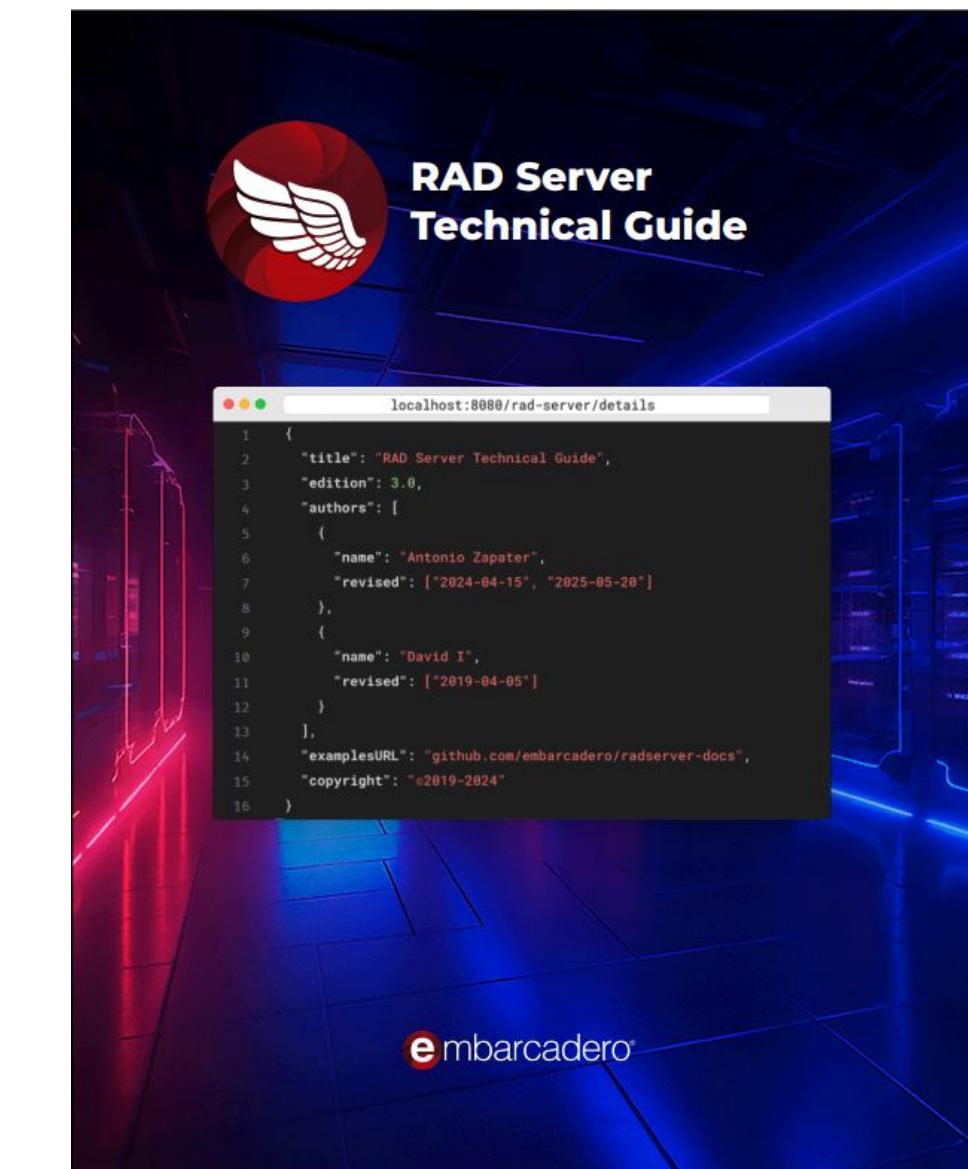
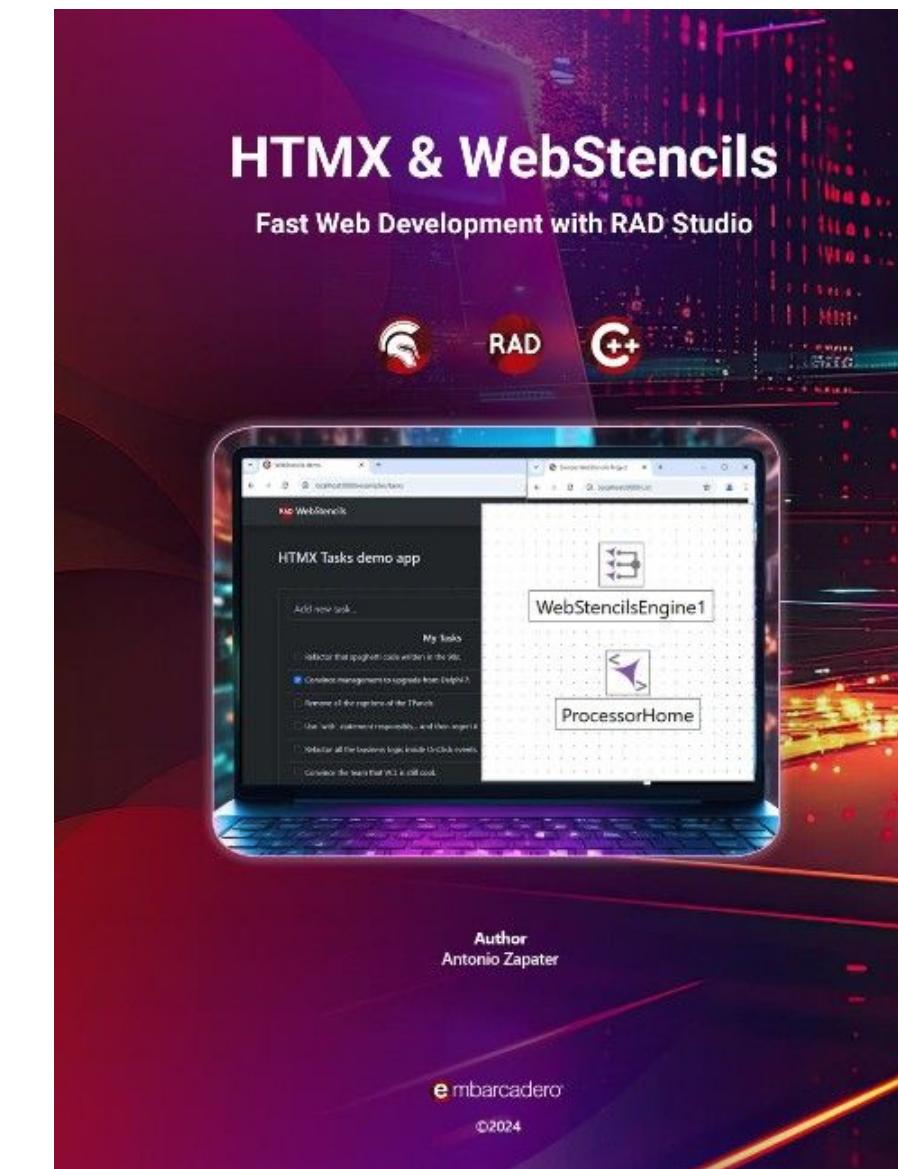
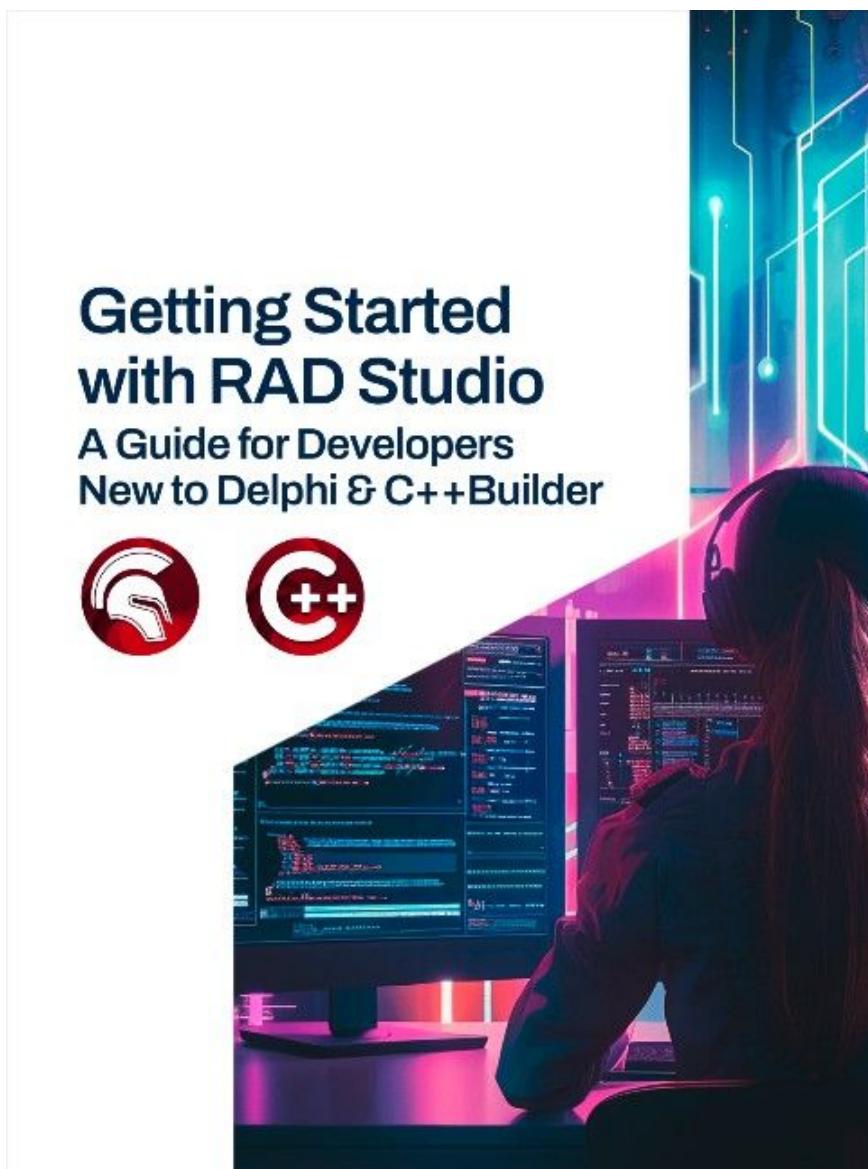


- *12.x Projects Completion*
- *Android API Level 35*
- *64-bit IDE – Initial Release*
- *Quality & Quality*

RAD Studio 12.3 Summary

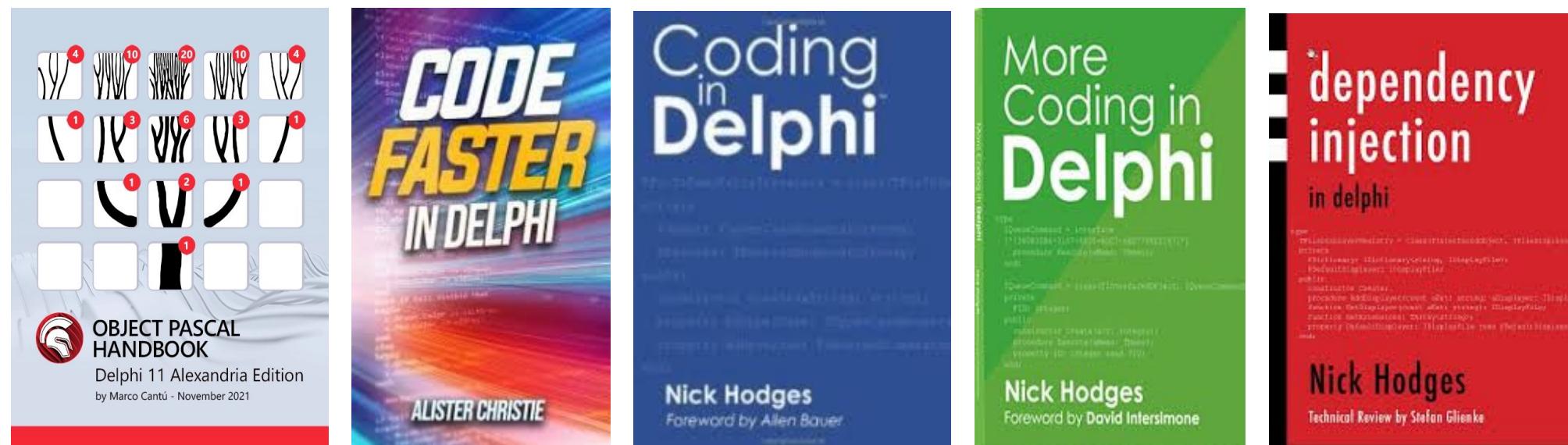
Focus on Content: Recent Ebooks

- Embarcadero is also working on additional product ebooks, freely available on the Embarcadero website or in GetIt



Focus on Content: More Free Ebooks

- <https://lp.embarcadero.com/ObjectPascalHandbookD11>
- <https://lp.embarcadero.com/CodinginDelphi>
- <https://lp.embarcadero.com/MoreCodinginDelphi>
- <https://lp.embarcadero.com/DependencyInjection>
- <https://lp.embarcadero.com/codefasterinDelphi>
- <https://learndelphi.org/14-books-and-videos-for-mastering-delphi-available-for-only-5-each/>





Delphi and C++ Ecosystem

Docker Integration

- Portability, Efficiency
- Agility, Faster delivery
- Improved security
- Faster app startup
- Easier management, Flexibility



<https://github.com/orgs/Embarcadero/>

https://docwiki.embarcadero.com/RADStudio/Athens/en/RAD_Server_Docker_Deployment

<https://www.youtube.com/watch?v=mjqCA9sWVak>

<https://www.youtube.com/watch?v=RdtukhUXrts>

<https://www.youtube.com/playlist?app=desktop&list=PLwUPJvR9mZHj9H2ccagpAraKLv0APTxdn>

pa-radserver-ib-docker Public

Docker script for RAD Studio Linux deployment includin

rad rad-studio interbase embarcadero rad-serv

● PowerShell • ⚡ Other • 4 • 9 • 1 • 0 • Up

pa-radserver-docker Public

Docker script for RAD Studio Linux deployment includin

delphi embarcadero rad-server fmx-linux dock

● Shell • ⚡ Other • 5 • 11 • 1 • 0 • Up

paserver-docker Public

Docker script for RAD Studio Linux deployment via PAS

delphi embarcadero cpp-builder docker docke

● Shell • ⚡ Other • 16 • 41 • 2 • 0 • Up

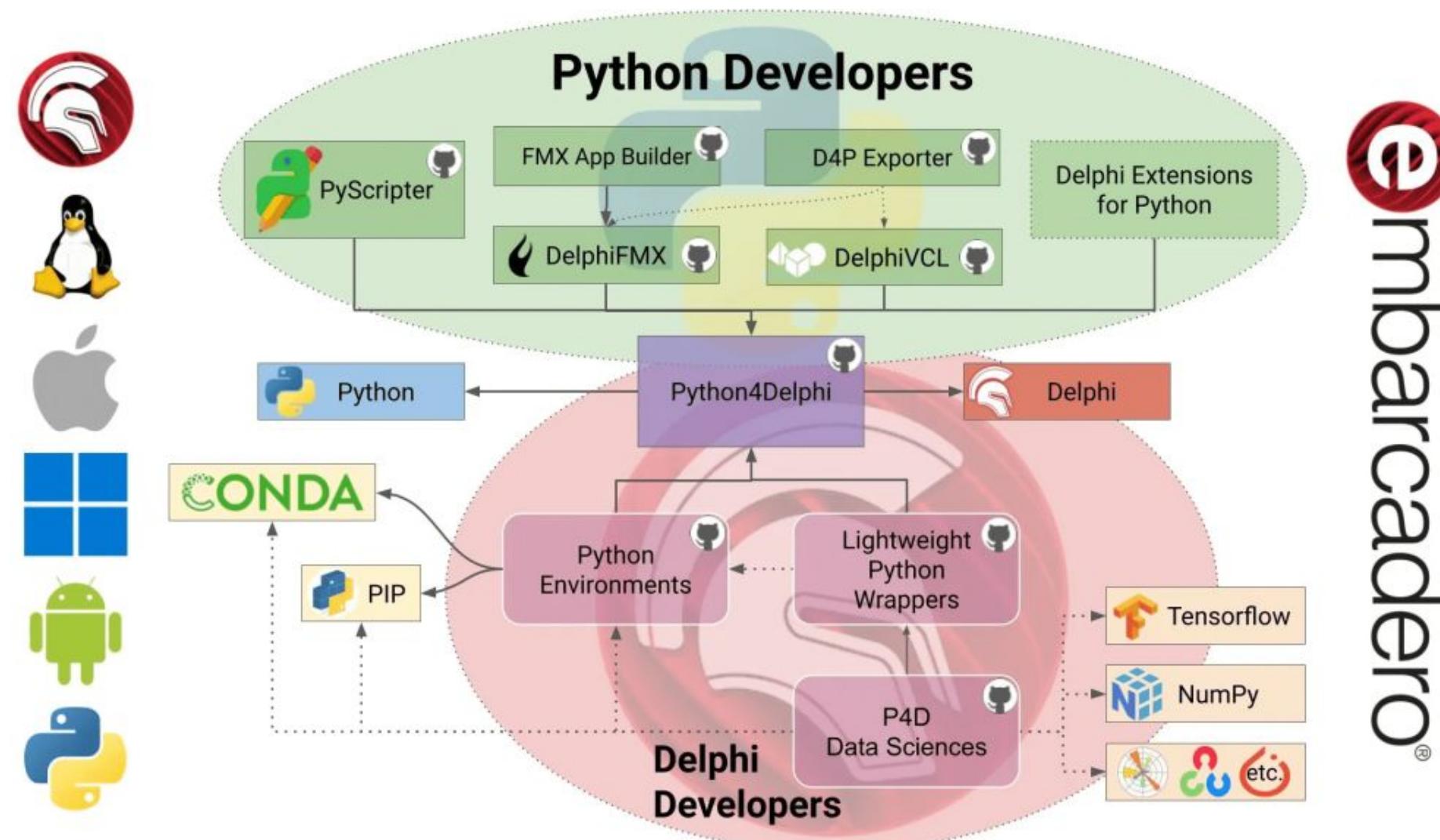
InterBase-Docker Public

Dockerfile to create a container for Embarcadero InterBa

dockerfile database interbase embracadero

● Dockerfile • ⚡ Other • 0 • 5 • 3 • 0 • Up

Python Integration



<https://github.com/Embarcadero/PythonUniverse>

<https://blogs.embarcadero.com/python-for-delphi-developers-webinar/>

<https://www.youtube.com/watch?v=PrGY2Hg-eh0>

<https://www.youtube.com/watch?v=NYP02IQvTbo>

<https://www.youtube.com/watch?v=6D9oLc2hStU&t=3282s>

15 repositories

DelphiFMX4Python Public

Python GUI module powered by Delphi's FireMonkey

android python windows macos linux

Shell Other 60 ⭐ 332 ⚡ 28 🔍

DelphiVCL4Python Public

Delphi's VCL library as a Python module for building

delphi vcl python gui ui

Python Other 57 ⭐ 293 ⚡ 33 🔍

P4D-Data-Sciences Public

A collection of lightweight Python wrappers based

Pascal MIT License 23 ⭐ 102 ⚡ 20 🔍

Delphi4PythonExporter Public

Design your Python GUI using Delphi's VCL and FM

Pascal MIT License 26 ⭐ 97 ⚡ 4 🔍

python4delphi Public

Fork of P4D adding FireMonkey wrapper and Android

Pascal MIT License 317 ⭐ 94 ⚡ 8 🔍

PythonEnvironments Public

Components to simplify the deployment for Python

Python MIT License 19 ⭐ 55 ⚡ 23 🔍

Static Code Analysis

- Maintaining code quality
- Enhancing software security
- Identifying issues, code smells, and potential problems
- Uncovering bugs and quality issues early
- Providing metrics and useful information about source code

Sonar

<https://github.com/integrated-application-development/sonar-delphi>

<https://github.com/integrated-application-development/delphilint>

<https://www.youtube.com/watch?v=O2W9gdQUshU>

https://youtu.be/DtPUx_Qtz5A?si=QmrGTnwUP1PJ_bZG



DerScanner

<https://derscanner.com/>

<https://blogs.embarcadero.com/how-secure-is-your-app-static-analysis-finds-security-holes/>



Test Automation

- Earlier bug detection
- Save time and money
- Improves testing accuracy
- Performs complex tasks
- Optimizes use of human testers

Ranorex

<https://www.ranorex.com/delphi-application-testing/>

TestComplete

<https://smartbear.com/product/testcomplete/>



Application Performance Monitoring (APM) and Profiling

- Faster/Proactive Issue Resolution
- Improved Resource Utilization
- Optimized Performance
- Business Continuity
- Data-Driven Decisions



APM

<https://prometheus.io/>

<https://github.com/marcobreveglieri/prometheus-client-delphi>

<https://github.com/ntavendale/opal>

<https://entwickler-konferenz.de/crossplatform-iot-web-and-cloud/metrics-in-delphi-using-the-elastic-apm-and-opal/>

Profiling

<https://www.prodelphi.de/indexpd.html>

<https://github.com/ase379/gpprofile2017>

<https://www.delphitools.info/samplingprofiler/>

[https://code-partners.com/offerings/smartinspect/ *](https://code-partners.com/offerings/smartinspect/)

Logging

<https://github.com/dliocode/datalogger>

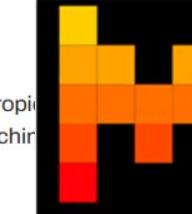
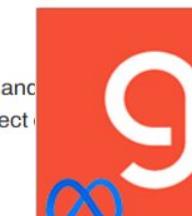
<https://github.com/exilon/QuickLogger>

<https://github.com/grijiy/GrijiyCloudLogger>

<https://github.com/danieleteti/loggerpro>

Artificial Intelligence

- Add-ons and extensions to boost your productivity
- And also to integrate AI into your end user solutions ([search on GetIt](#))

<p> Deepseek API wrapper for Delphi 1.0.2 by MaxiDonkey (Galactic911) in IDE Plugins for Delphi</p> <p>The Deepseek API wrapper for Delphi leverages Deepseek's advanced models to deliver powerful features for seamless and dynamic chat interactions.</p> <p>— 28 Apr 2025 MIT license</p>	<p> Anthropic API wrapper for Delphi 1.1.2 by MaxiDonkey (Galactic911) in IDE Plugins for Delphi</p> <p>The Anthropic API wrapper for Delphi leverages cutting-edge models, including Anthropic Claude series, to deliver powerful features for chat interactions, vision processing, caching, and batch processing.</p> <p>— 16 Jan 2025 MIT license</p>	<p> MistralAI Wrapper 1.2.1 by Delphi MistralAI API in IDE Plugins for Delphi</p> <p>This is an unofficial library. MistralAI does not provide any official library for Delphi. This repository contains Delphi implementation over MistralAI public API.</p> <p>— 7 Jan 2025 MIT license</p>
<p> GenAI - Optimized OpenAI Integration wrapper 1.0.4 by MaxiDonkey (Galactic911) in IDE Plugins for Delphi</p> <p>The GenAI API wrapper for Delphi is designed to integrate OpenAI's latest models (GPT-4, GPT-4O, and O3) seamlessly, offering robust features for chat interactions, text generation, vision analysis, JSON configuration, and asynchronous operations with efficient error handling support.</p> <p>— 22 Apr 2025 MIT license</p>	<p> Delphi YOLO ONNX Runtime Wrapper 1.0 by Softacom in Libraries for Delphi</p> <p>Delphi YOLO ONNX Runtime wrapper is a singleton interface which provides loading and unloading of the YOLO deep machine learning model from the Delphi applications. It allows you to detect objects in an image with Delphi using Object Pascal programming language.</p> <p>— 14 Jan 2025 MIT License</p>	<p> GroqCloud API wrapper for Delphi 1.0 by MaxiDonkey (Galactic911) in IDE Plugins for Delphi</p> <p>The GroqCloud API wrapper for Delphi provides access to models from Meta, OpenAI, MistralAI and Google on Groq's LPUs, offering chat, text generation, image analysis, audio transcription, JSON output, tool integration, and content moderation capabilities.</p> <p>— 29 Nov 2024 MIT license</p>
<p> Hugging Face API wrapper for Delphi 1.0.1 by MaxiDonkey (Galactic911) in IDE Plugins for Delphi</p> <p>The Hugging Face API wrapper for Delphi leverages cutting-edge models to deliver powerful features for various NLP tasks, including object detection, music generation, text classification, sentiment analysis, image segmentation, speech-to-text transcription, and text generation.</p> <p>— 9 Jan 2025 MIT license</p>	<p> Stability.ai API wrapper for Delphi 1.0 by MaxiDonkey (Galactic911) in IDE Plugins for Delphi</p> <p>The Stability API wrapper for Delphi utilizes advanced models developed by Stability.ai to provide capabilities for seamless image, video, and 3D generation, as well as sophisticated editing and upscaling tools, tailored for creative and professional use.</p> <p>— 29 Nov 2024 MIT license</p>	

llama-cpp-delphi

<https://github.com/Embarcadero/llama-cpp-delphi>

The background of the slide features a vibrant, abstract design. It consists of large, flowing waves in shades of red, orange, and yellow, creating a sense of motion and energy. The colors transition smoothly from red at the top left to yellow at the bottom right.

Q & A