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Bridging Worlds: Delphi, TMS WEB Core, and the Evolution of Hybrid Desktop Applications

By Dr. Holger Flick



User interface design

In the ever-evolving landscape of software development, the boundaries between different platforms and technologies continue to blur. One such convergence is the fusion of web and desktop applications, facilitated by powerful tools like *Delphi* and *TMS WEB Core*. These technologies enable developers to seamlessly integrate **web components** into **native desktop applications**, opening up new possibilities for innovation and user experience.

In this article, we'll explore the strengths of *Delphi* and *TMS WEB Core*, and how they come together to create **hybrid desktop applications** that combine the best of both worlds. We'll also provide an example of how to integrate a web component into a VCL application using *TMS WEB Core*, showcasing the power and flexibility of this approach.

Delphi Strengthens Native Desktop Development

Embarcadero Delphi, known in particular for its strength in building native desktop applications for Microsoft Windows, has long been a favorite among developers for its **robustness**, **ease of use**, and **rapid application development** capabilities. With a rich set of components and a powerful integrated development environment (IDE), *Delphi* empowers developers to create **high-performance applications** for Windows, macOS, iOS, and Android platforms.

TMS WEB Core: Extending Delphi to Web Development

Enter *TMS WEB Core*, a revolutionary product that extends *Delphi's capabilities into the realm of* ***web development****. Leveraging the power of Delphi's Object Pascal language,* TMS WEB Core *enables developers to build* ***web applications*** *using familiar tools and techniques. With* TMS WEB Core*, developers can create* ***responsive****,* ***feature-rich web applications*** *that run in any modern web browser, seamlessly integrating with Delphi's_* desktop applications.

The Magic of Hybrid Desktop Applications

But the real magic happens when these technologies converge to create **hybrid desktop applications**. By combining *_Delphi's strength in* ***native desktop development*** *with TMS WEB Core's_* ability to create **web applications**, developers can now build desktop applications with **dynamic web components**. This approach offers the best of both worlds: the performance and functionality of native desktop applications combined with the flexibility and interactivity of web technologies.

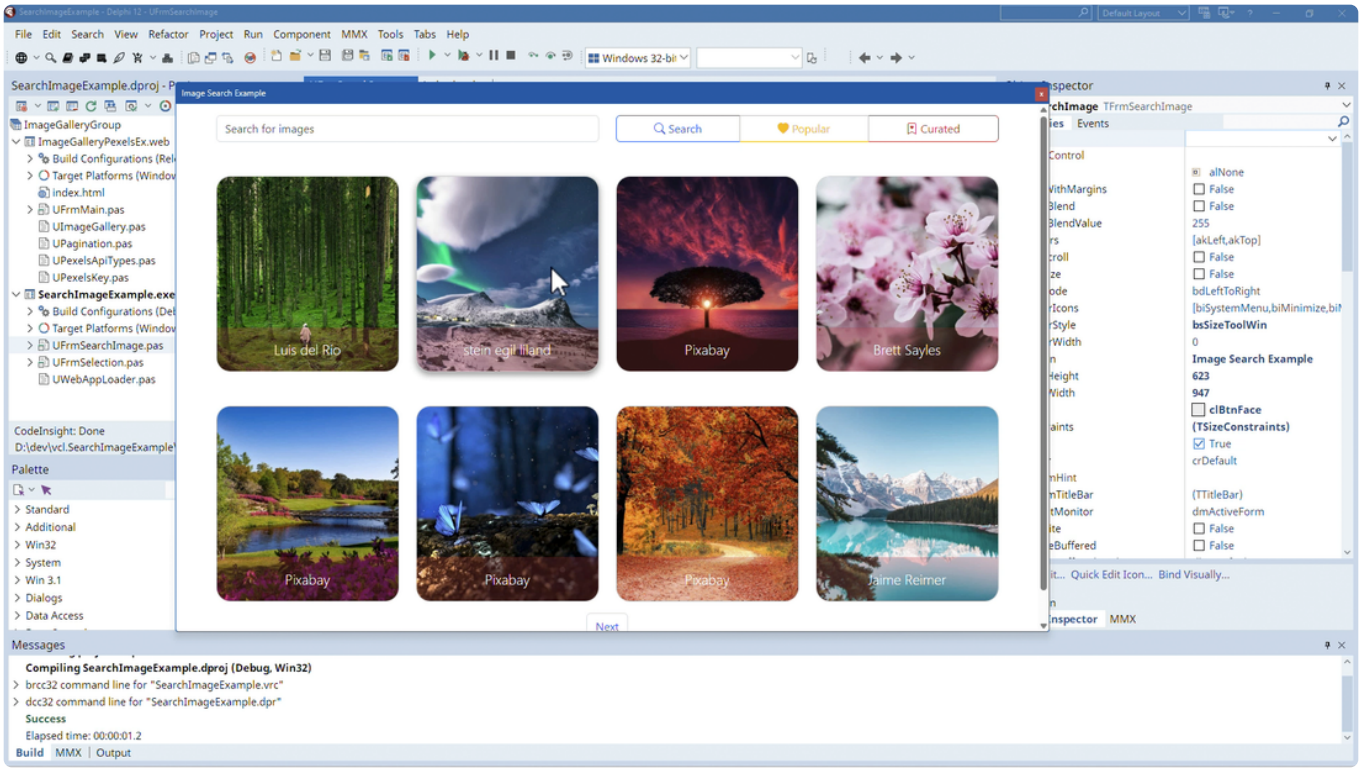
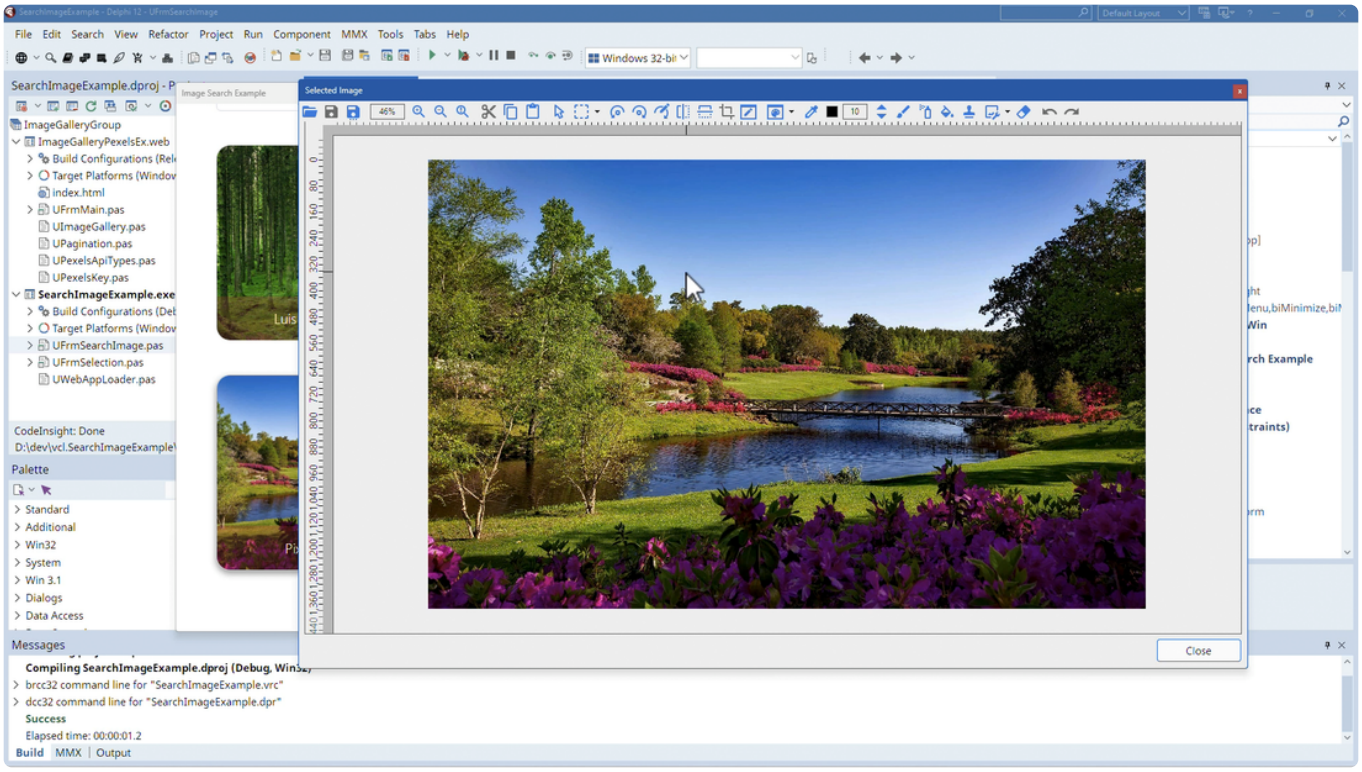


Image gallery from web integrated into VCL app

Imagine a desktop application with a **sleek, modern user interface** powered by **web components** that seamlessly integrate with the **native functionality** of the operating system. With *Delphi* and *TMS WEB Core*, this vision becomes a reality. Developers can create rich, immersive experiences that leverage the full potential of both web and desktop environments, pushing the boundaries of what's possible in software development.



ImageEn loading an image from a web component

The Example

Have a look at an exciting example how to integrate an **image picker** in a **VCL** application using *TMS WEB Core*. This example demonstrates how to leverage the power of **web technologies** within a **native desktop application**, creating a seamless user experience that combines the best of both worlds. In addition, it features **ImageEn**, a powerful image processing library for *Delphi*, to enhance the functionality of the application.

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Conclusion

In conclusion, the convergence of *Delphi* and *TMS WEB Core* represents a significant milestone in the evolution of hybrid desktop applications. By bridging the gap between web and desktop technologies, developers can unlock new levels of creativity, efficiency, and user engagement. Whether you're building enterprise software, productivity tools, or consumer applications, *Delphi* and *TMS WEB Core* provide the perfect foundation for creating the next generation of hybrid desktop applications.

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