



RAD Studio™ 10 Seattle

***RAD Studio 10 Seattle
and Windows 10***

Jim McKeeth

***Lead Developer Evangelist
Embarcadero Technologies***

About Jim McKeeth

- Lead World Wide Developer Evangelist
- Host of Podcast at Delphi.org
- Longtime developer
 - Object Pascal, Java, C#, JavaScript, Objective-C, etc.
- Invented and patented swipe to unlock in 2000
 - US Patent # 8352745 & 6766456, etc.
- Improvisational performer with ComedySportz Boise



What's in this Product Address

- Product Status and Direction
 - How Delphi is used in the real world
- Selected 10 Seattle Features
- Windows 10 support, including VCL components and Astoria bridge



RAD Studio™ 10 Seattle

Delphi Product Address

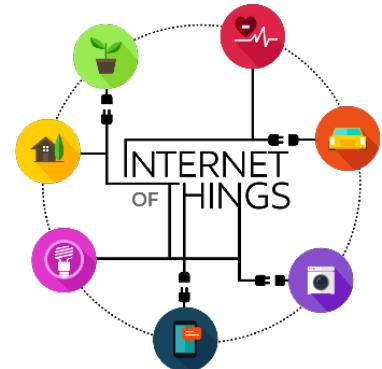
PRODUCT DIRECTION

Product Status and Direction



The Ultimate Application Development Platform for Windows, Mac, Mobile, and IoT

Delphi 10 Seattle is the fastest way to build and update data-rich, hyper connected, visually engaging applications for Windows 10, Mac, Mobile, IoT and more.



“RAD Studio 10 Seattle is
the most stable release
of RAD Studio I can
remember!”

José A. Sánchez - CEO & Founder - Darcy Software

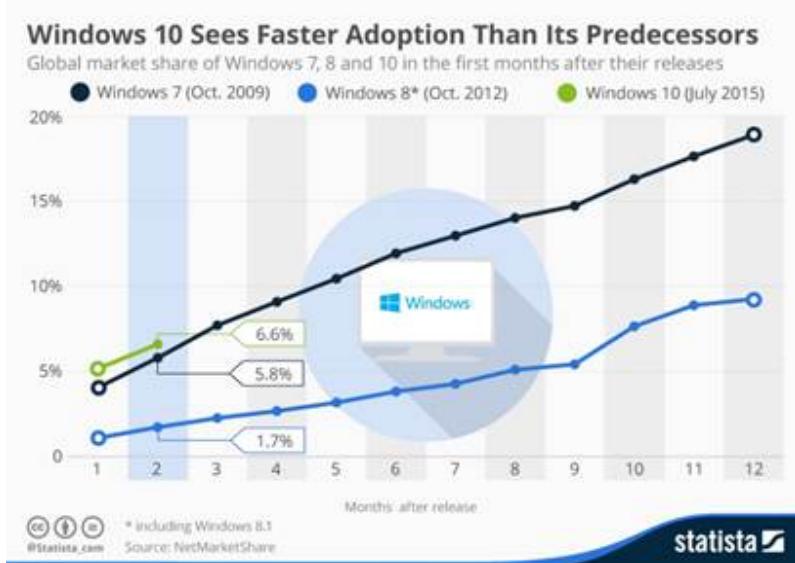


Data-Rich, Hyper Connected, Visually Engaging

- Data-Rich: FireDAC, Oracle, MongoDB, JSON, XML
- Hyper-Connected: Net, Wifi, Bluetooth/LE, Cloud, BaaS
- Visually Engaging: VCL and FMX, Windows 10 and Multi-device



10 Seattle Release Focused on Windows 10



Over 75M installations in the first month, according to Microsoft

THE VERGE TRENDING NOW
Apple iPhone event announced for Wednesday, September 9

LOG IN | SIGN UP | LONGFORM | REVIEWS | VIDEO | TECH | SCIENCE | ENTERTAINMENT | CARS | DESIGN | US & WORLD

PREVIOUS STORY: Giving Minecraft a story | NEXT STORY: Shadowrun: Hong Kong is where nos plus cyborg elve

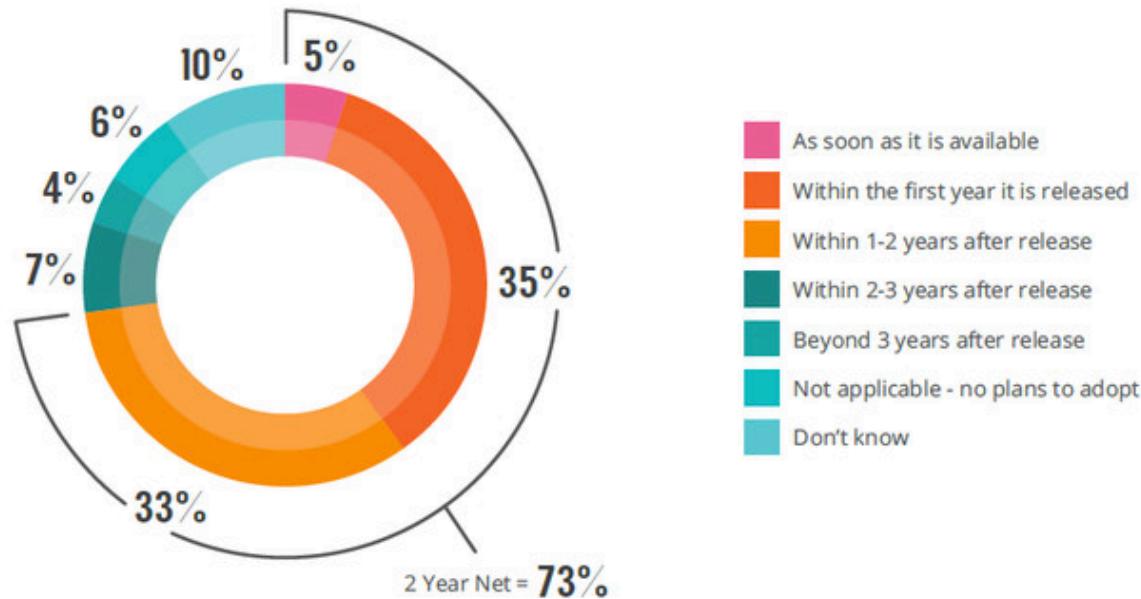
MICROSOFT | TECH

Windows 10 is now installed on 75 million PCs after just four weeks

By Tom Warren on August 26, 2015 09:14 am • @tomwarren

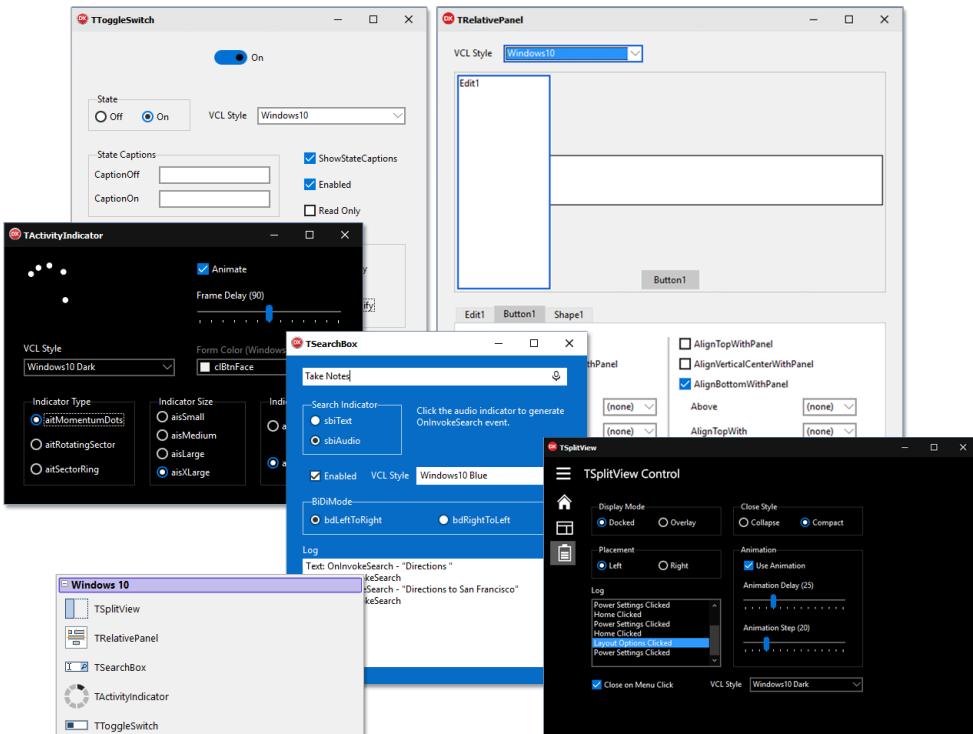
40% of Business to Adopt Windows 10 in 1st year

Windows 10 Adoption Timeline for Businesses



Incredible Windows 10 Support

- New VCL Controls, for Windows 10 User Experience
- Windows 10 Styles
- Universal Windows Platform (UWP)/WinRT Services and Components
 - Notifications and Contracts



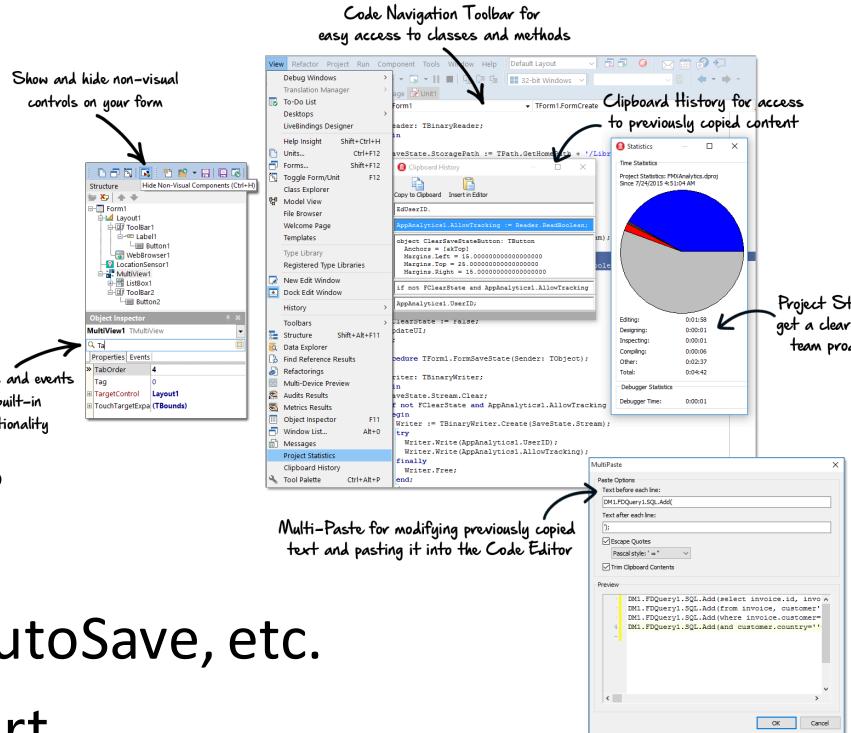
“With Delphi 10 Seattle, my apps will be ready for the millions of users moving to Windows 10.”

Kike Pérez - System Manager - HabitatSoft



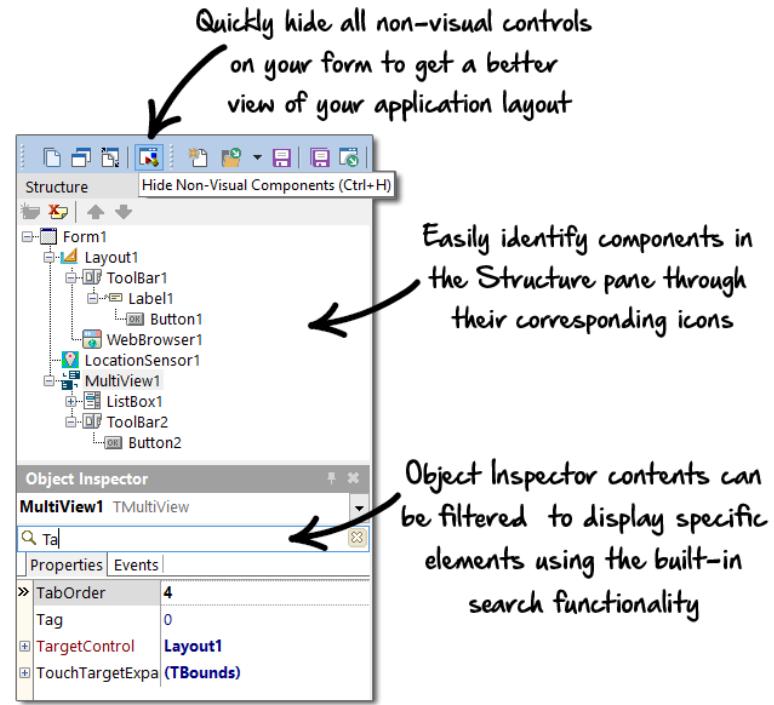
Double the IDE Project Power

- Re-architected IDE gets double the memory
- Build and debug large projects with millions of lines of code
- Over 20 new productivity features
 - Multi-Paste, Filterable Object Inspector, Editor File, AutoSave, etc.
- Enhanced multi-monitor support

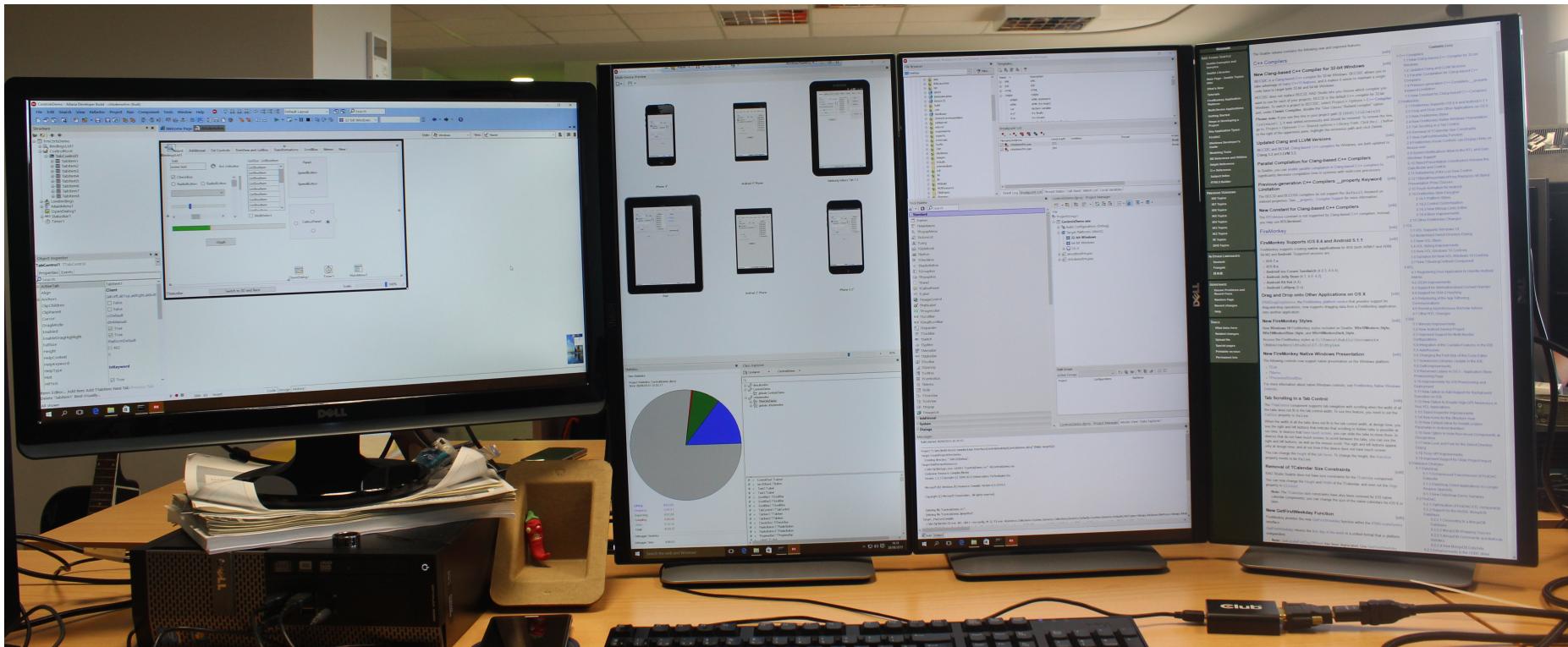


Enhanced IDE Experience

- Hide non-visual components
- Filter the properties in the Object Inspector
- Structure View has new component icons
- Extended Multi-Monitor support in the IDE

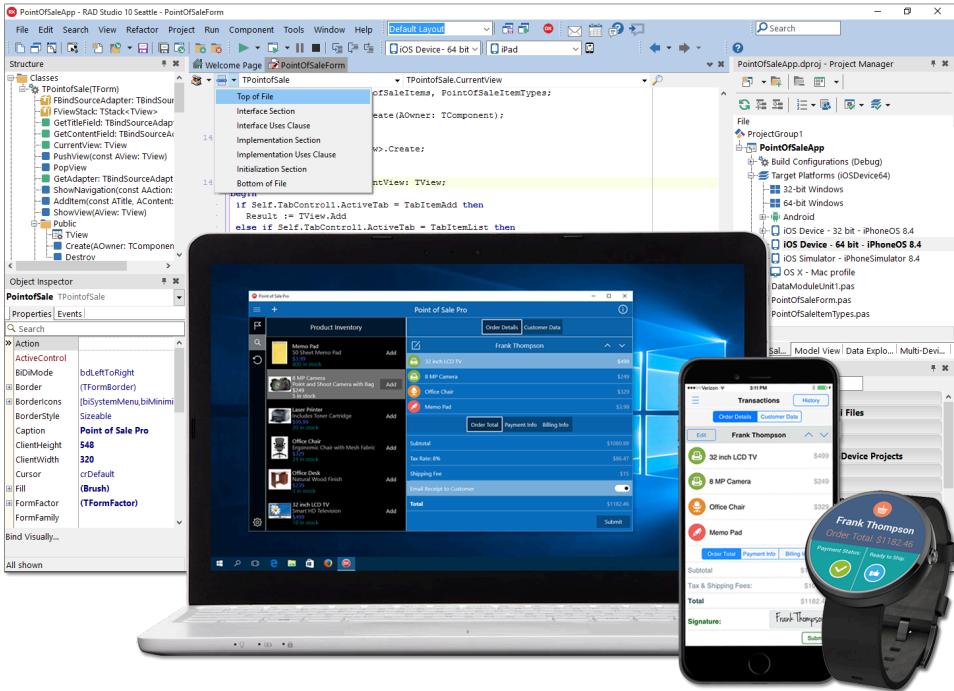


Better Multi-Monitor Support in the IDE



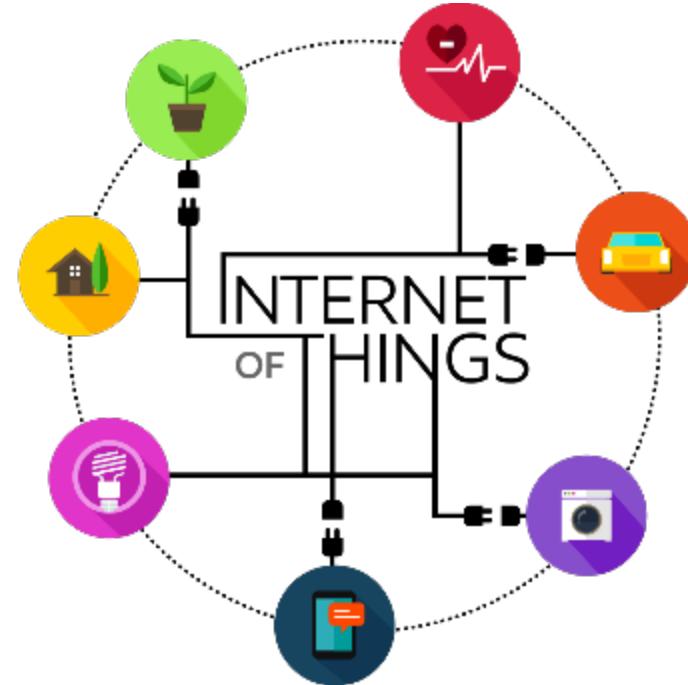
MultiDevice

- Deliver single-source user interfaces across multiple form factors with FireUI
- Natively compile for desktop and mobile



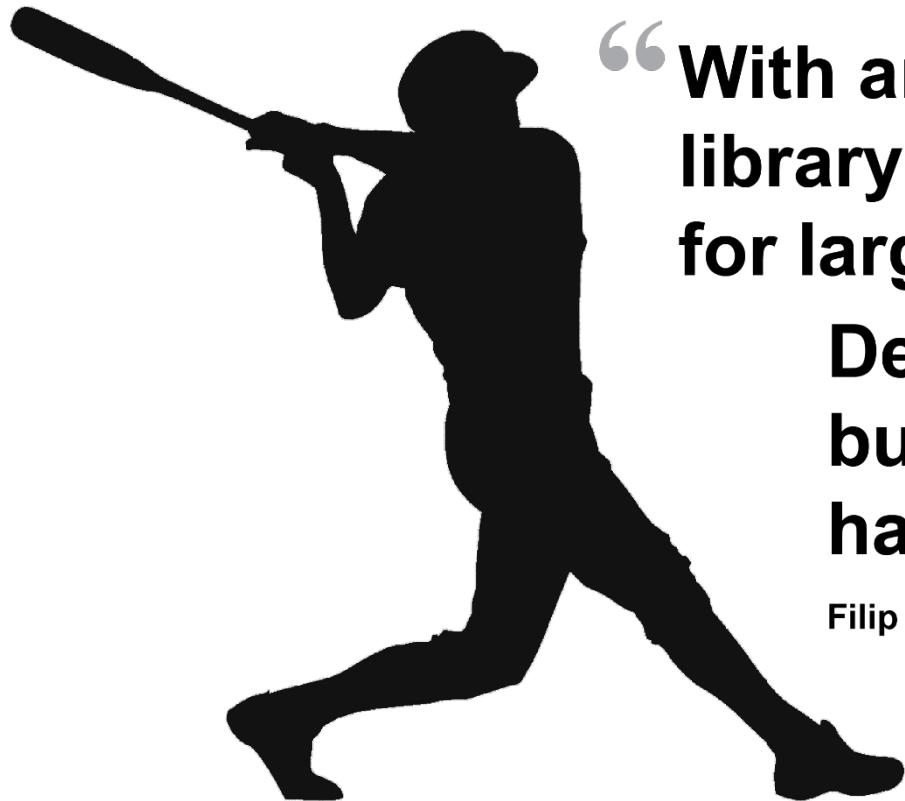
IoT Ready

Extend apps with new Internet of Things capabilities: proximity awareness, devices, and sensor data collection



It's RAD! You Deliver Applications Faster

- Rapid Application Development means *fast development* with *solid architectures*
- Deliver applications up to 5x faster
 - Across multiple desktop and mobile operating systems
 - Across cloud and database platforms
 - Including 32-bit and 64-bit Windows 10



“With an expanded GetIt library and fast speeds for large projects,
Delphi 10 is serious business. Embarcadero has hit a home run!”

Filip Demuynck - Lead Developer - Backbone-Software



“The new auto recovery feature
is HUGE! Worrying about losing
code is a thing of the past!”

Scott van der Linden - Project Manager (Tool Development) - WorleyParsons



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Delphi Product Address

CASE STUDIES

Recent Case Studies/Customer Stories



HR²RESULTS

BIO-NUCLEAR 





Advertising



WideOrbit



San Francisco-based WideOrbit is a global leader in premium broadcast technology. Its single-vendor platform helps media companies manage ad operations across business processes and media types. Its flagship WO Traffic software is used by more than 3,000 television and radio stations, as well as major media networks like Bell Media, DirecTV, Fox Sports, NBC Universal, Viacom and more. Another 3,200+ radio stations operate on WideOrbit's automation platform. WideOrbit uses Delphi as the foundation for strengthening its products and expanding its portfolio – even when there's little consistency among its customers' technology backbones.





Geology



Earth Science and GIS Software

Rockware, Inc.



Over the past three decades, Golden, Colorado-based RockWare, Inc. has established itself as a leader in the highly specialized geological mapping and modeling sector. For two of those decades, RockWare has been using Embarcadero products for its application development needs. With Delphi, they have been able to develop a highly sophisticated software product that is a fraction of the cost of larger programs. Through FireDAC technology, RockWare provides flexibility and can support clients with existing in-house databases. Giving them the edge when tackling monster-size projects.





Medical



LabInfo Systems LLC / Bio-Nuclear



LabInfo Systems, a division of Bio-Nuclear provides services in Puerto Rico, US Virgin Islands, and the Caribbean territory. One Bio-Nuclear and LabInfo Systems customer is Immuno Reference Lab, which has over 440 clinical laboratories that process reports for 50% of the Puerto Rico market. As one of the largest privately held reference laboratories on the island, Immuno Reference Lab performs over 1.6 million tests annually. By automating many processes that used to be done manually, and connecting all its laboratory facilities, LabInfo Systems was able to reduce costs and improve connectivity while realizing a rapid return on investment. LabInfo Systems chose Delphi from Embarcadero Technologies to develop the middleware; and InterBase as the main laboratory database for connecting remote laboratories.





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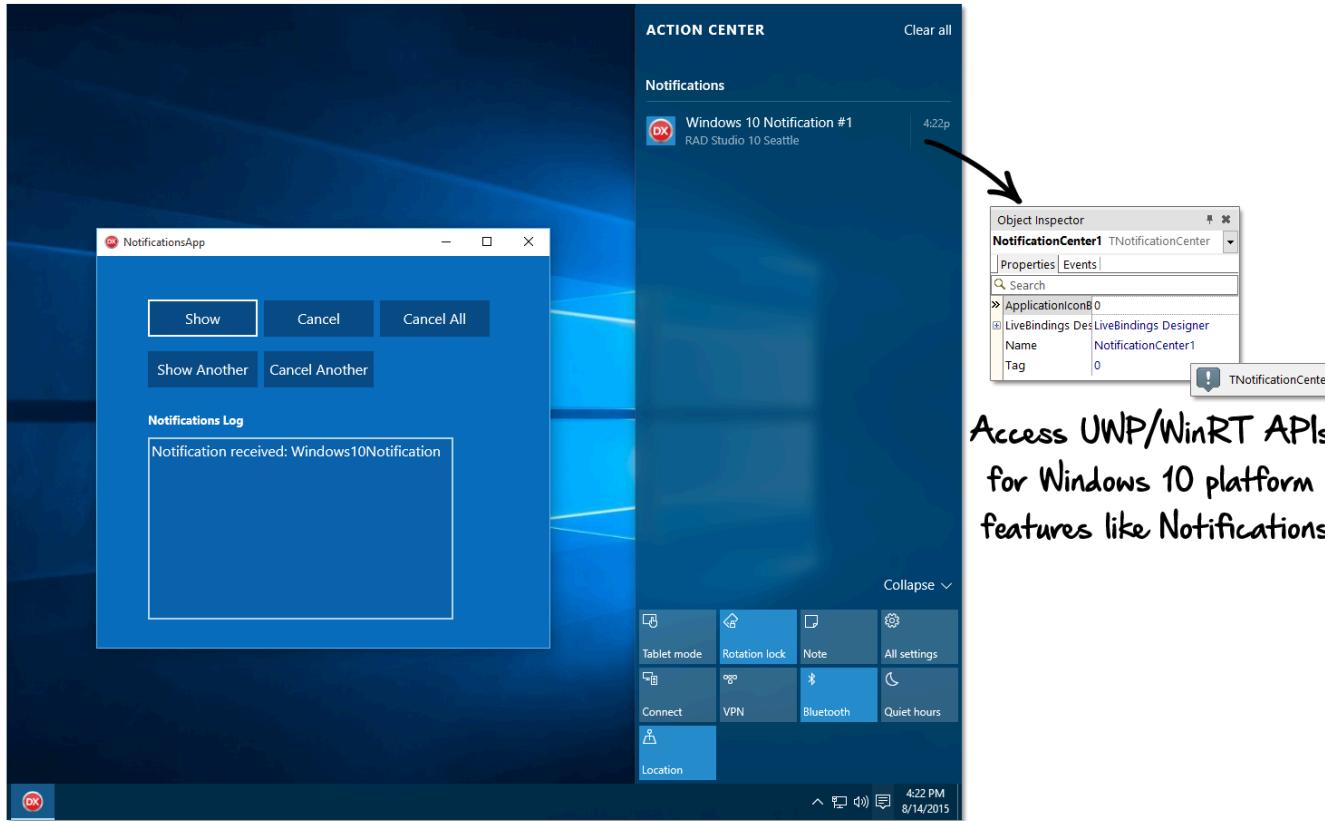
Delphi Product Address

SELECTED DEMOS

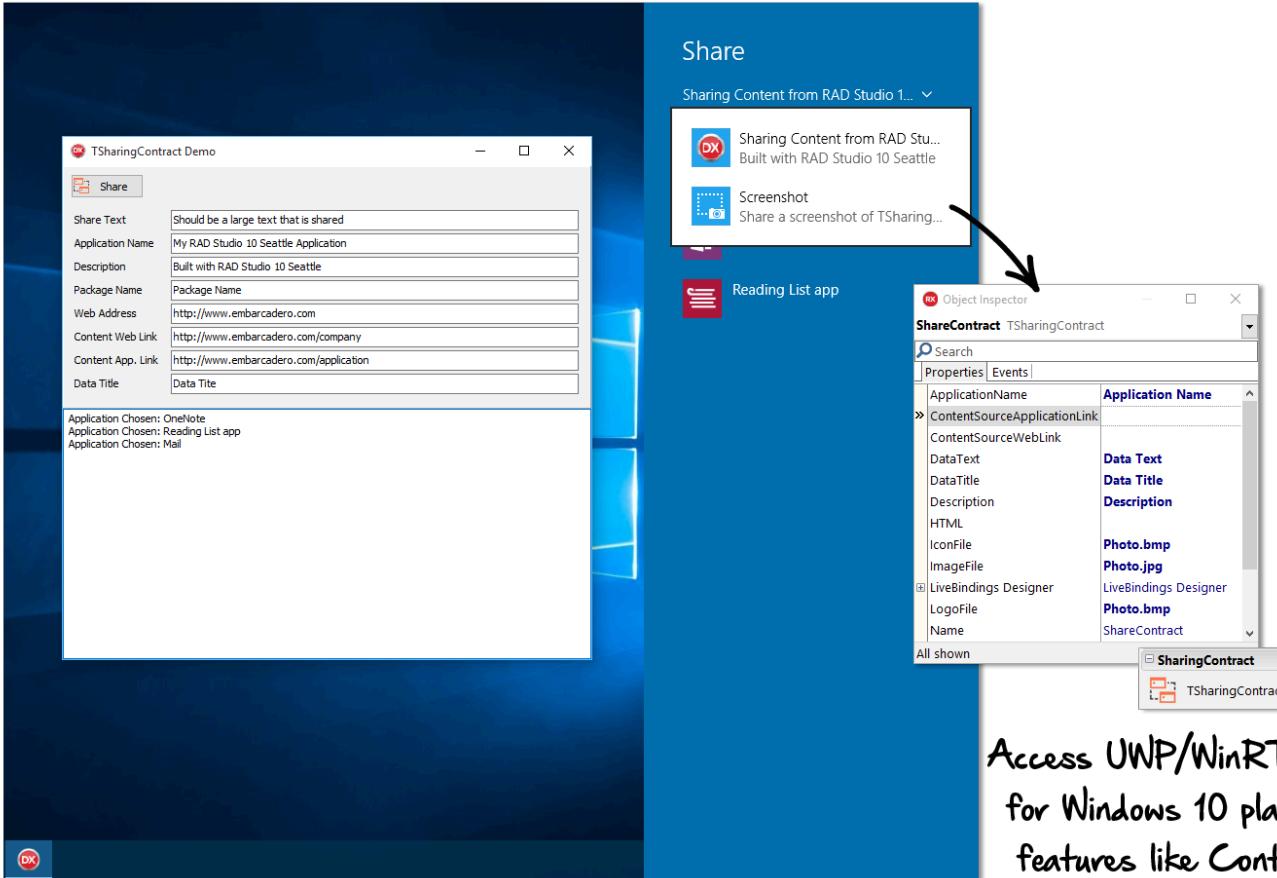
WinRT / UWP Integration

- *Universal Windows Platform integration*
- WinRT API mapping and Object Pascal interfaces
 - Windows 10 Notifications
 - Windows 10 Contracts
- Future plan to expand significantly via Microsoft Project Centennial
 - Delphi apps in the Windows App Store

UWP/WinRT Notifications



Share Contracts

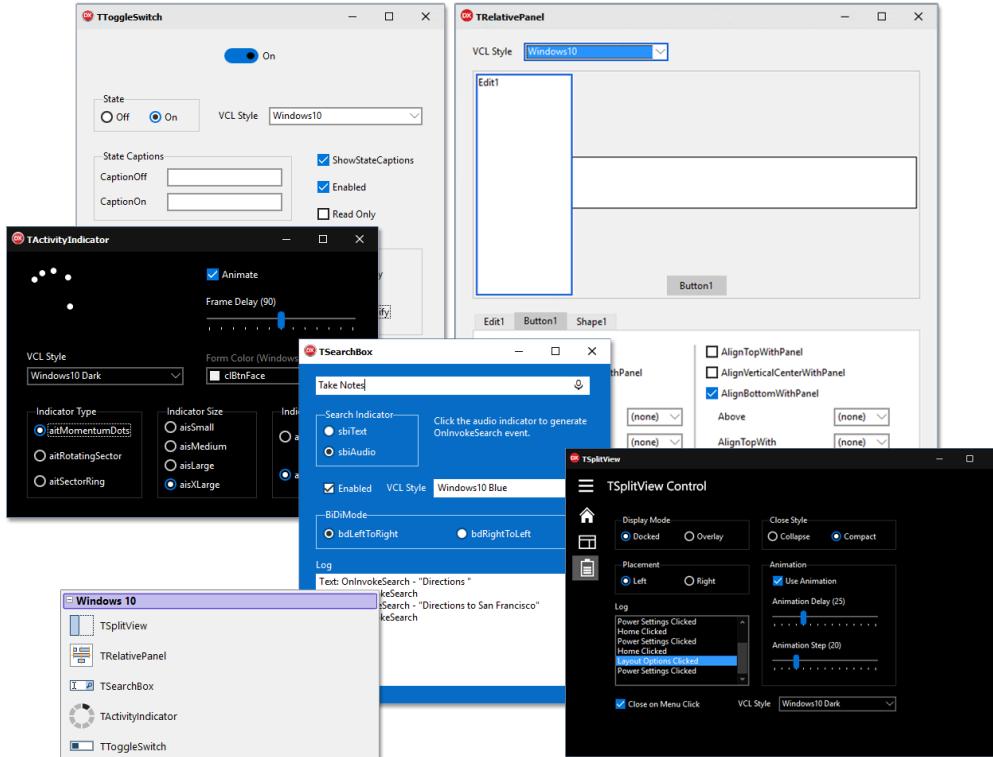


Access UWP/WinRT APIs
for Windows 10 platform
features like Contracts

New Windows 10 VCL Controls

- A great set of new VCL “visual controls”
- Native VCL controls mapping common Windows 10 UI elements
 - Not tied to WinRT API, will work also on Windows 7 and 8
- 5 controls: RelativePanel, ToggleSwitch, SearchBox, SplitView, and ActivityIndicator

New VCL Controls for Windows 10: Overview

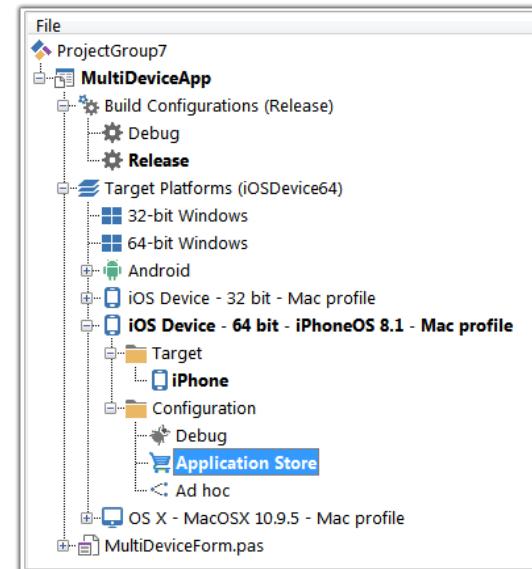


Astoria and Windows 10 Phone Support

- Astoria is a Microsoft UWP bridge to run Android APK on Windows 10 phone
 - Not an emulator (ARM target)
 - Integrated with Android APK
 - Can be surfaced in the 10 Seattle IDE
 - *Still in beta*

RAD Architecture: The FireMonkey Platform

- Single-source multi-device architecture
 - Including user interface controls, which can be styled or platform native
 - Multiple compilers for the different platforms, all producing native code
- RAD, with a strong OOP architecture
- For Windows, OS X, Android, iOS



Delphi on Intel Android

- Uses libHoudini bridge
 - Included with KitKat
- Slightly longer startup
- Great runtime performance
- Just remove the CPU check
- Not “*officially*” supported yet, still working with Intel





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ADDITIONAL COMPONENTS

Additional Embarcadero Components and Tools

- InterBase Server and IBToGo
- Enterprise Mobility Services (EMS)
- BeaconFence
- Embarcadero AppAnalytics
- Konopka's Signature Controls
- CodeSite
- RAD Solution Pack

* *Require separate license*

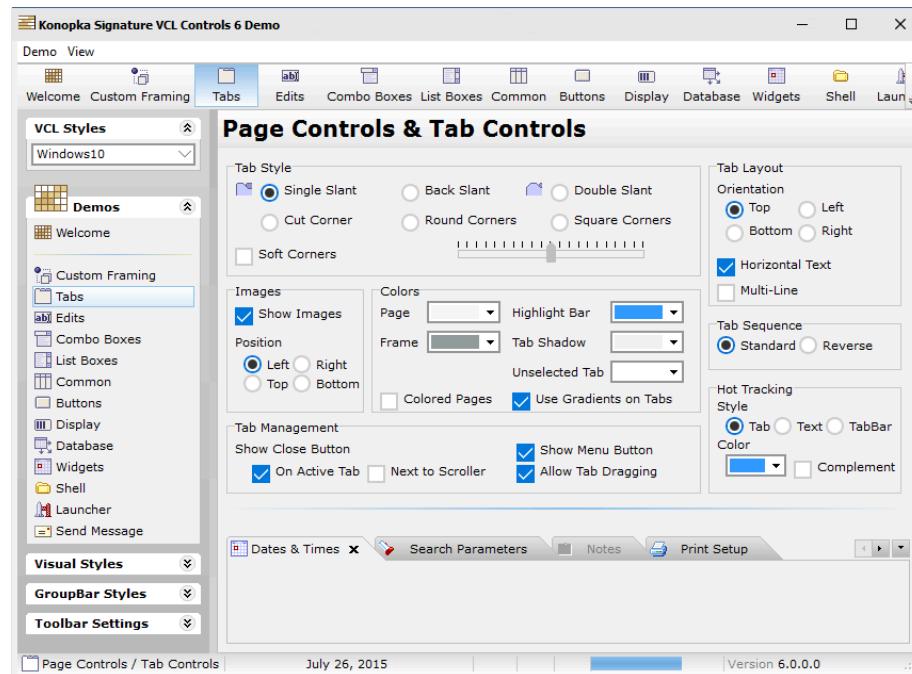
AppAnalytics

- Capture anonymous usage stats from your customers, understand users behavior
 - No tracking of user data
 - Used also by RAD Studio IDE
- Hosted by Embarcadero as pay-per-use service (SaaS)
 - appanalytics.embarcadero.com
 - Free for first app (limited events)



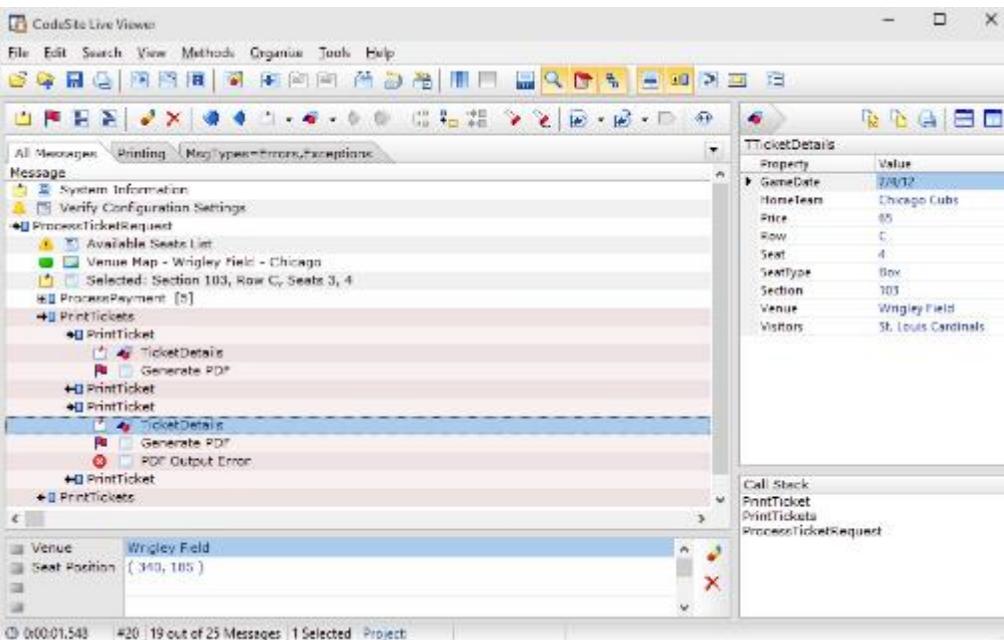
Konopka Signature VCL Controls

- 125 general purpose VCL controls, 100 component designers
- Ready for Windows 10
- Create visually stunning UI in a fraction of time



CodeSite Studio

- A logging system to go beyond breakpoints
- Log and locate problems at run time
 - Local or remote output
 - Profiling timers
- For RAD Studio XE2+



RAD Solution Pack

TeeChart Pro

FastReport

FastCube

InfoPower and FirePower Grids

Konopka's Signature VCL Controls

CodeSite Studio 5

Radiant Shapes

AppAnalytics, BeaconFence

Versions:

- VCL
- FireMonkey
- VCL/FMX together

*[www.embarcadero.com/
products/rad-solution-pack](http://www.embarcadero.com/products/rad-solution-pack)*

Delphi 10 Seattle Summary

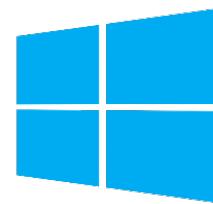


The fastest way to build visually engaging apps for Windows 10, Mac, and Mobile



Hyper connected with Bluetooth, App Tethering, Beacons, for the Internet of Things

Twice the power of the IDE, for building larger projects



Windows 10

Incredible Windows 10 support – WinRT components and new VCL controls



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A faint, semi-transparent background image of the Seattle city skyline, featuring the iconic Space Needle and various skyscrapers, serves as the backdrop for the slide.

Questions?