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# Delphi Academy

Dicas rápidas, truques e técnicas



## Modernização de Aplicações VCL #1

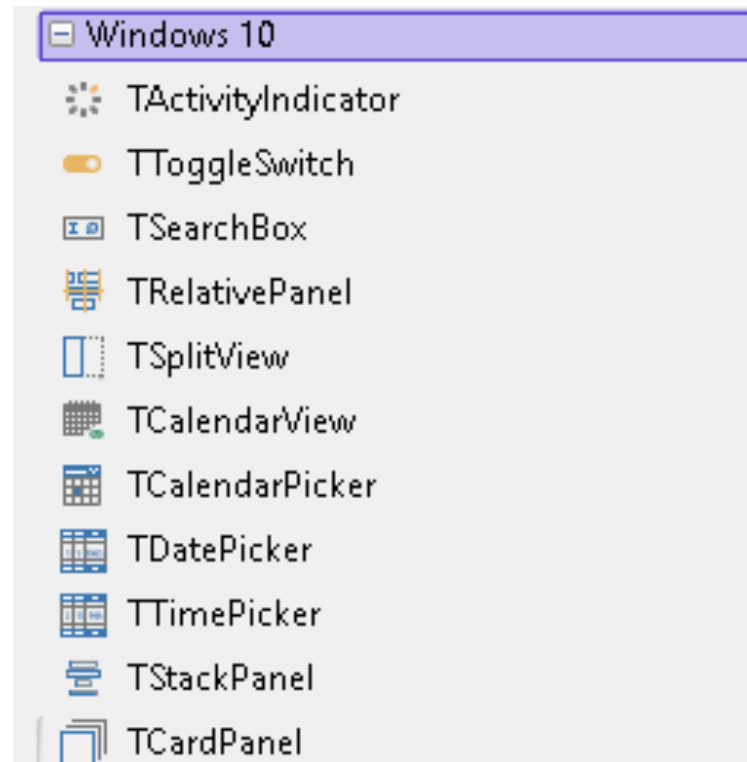
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Lead Software Consultant, *Latin America*

# AGENDA

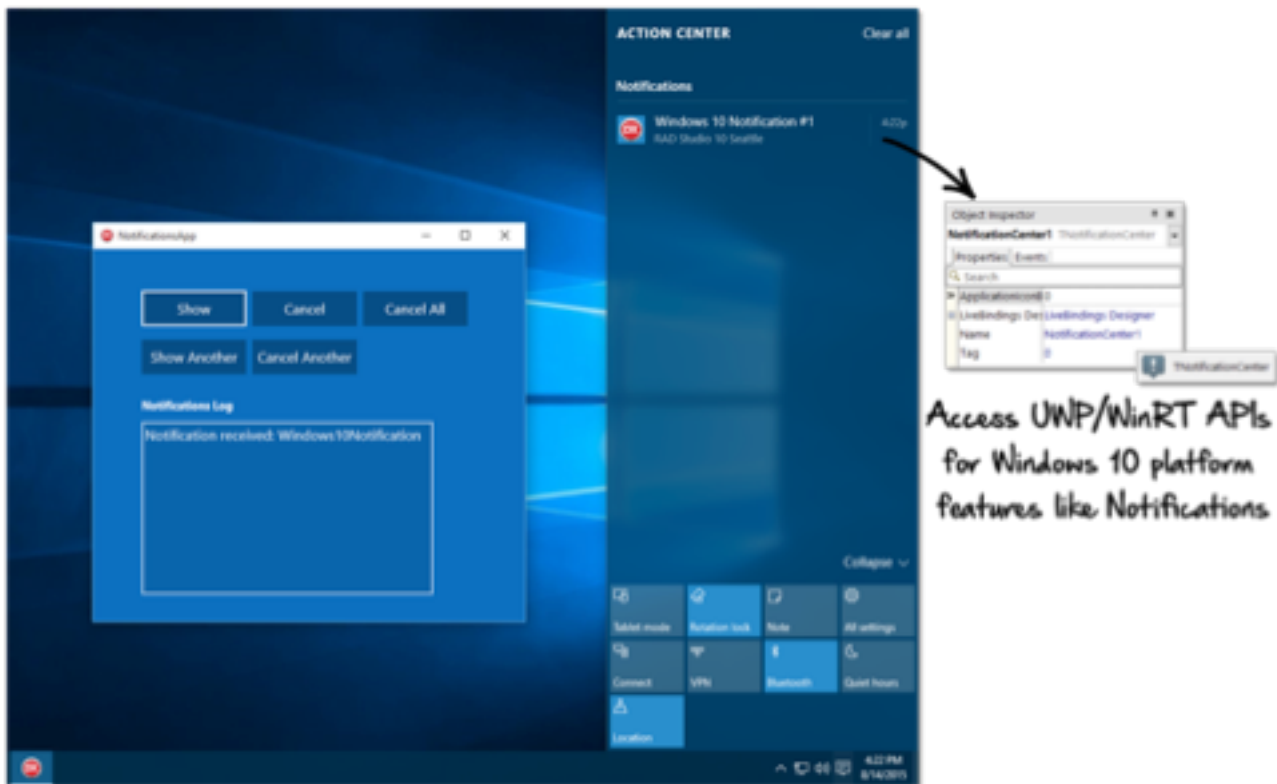
- Controles VCL para Windows 10
- Integração com Windows RT
- Estilos para VCL
- Suporte para Sensores
- Suporte Bluetooth/LE
- Review: FireDAC, PPL, 64 bit, UNICODE
- Demos

# CONTROLES VCL PARA WINDOWS 10

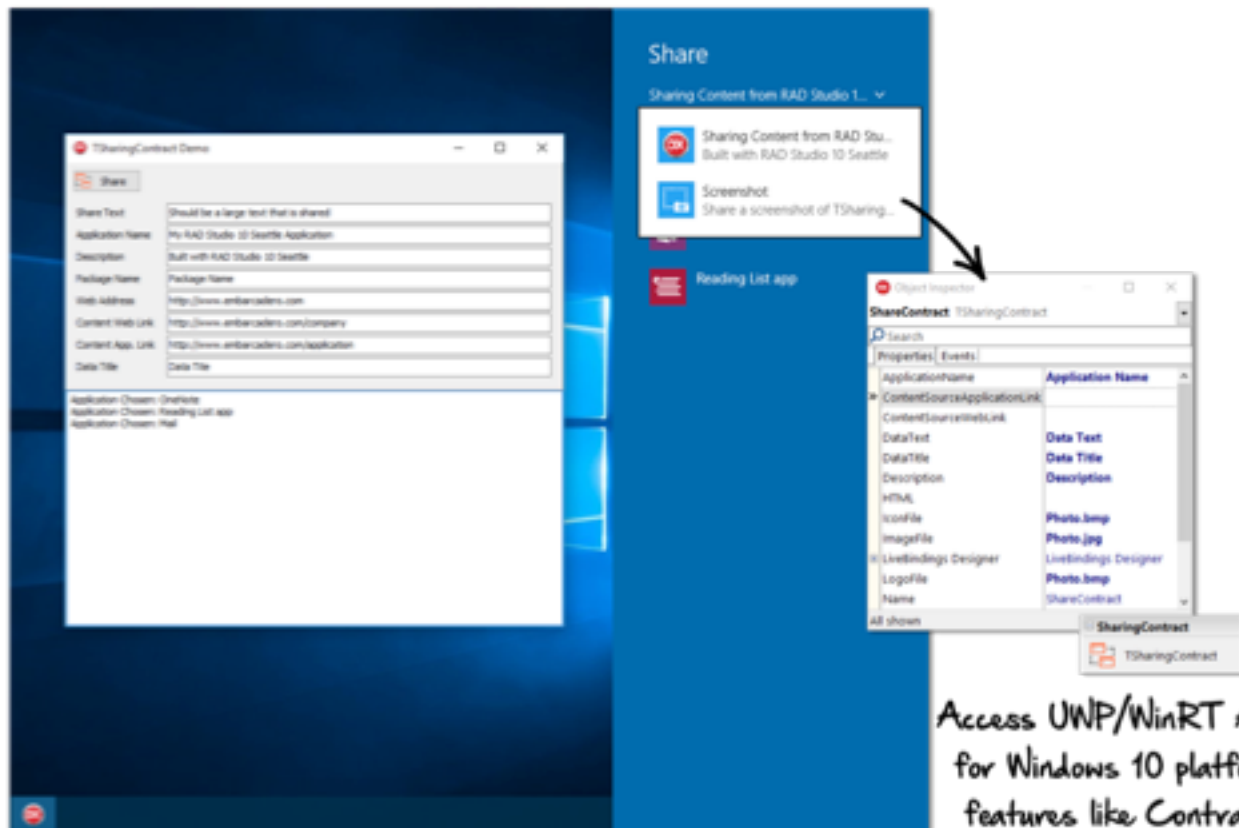
- Controles VCL nativos, mapeando elementos comuns da Windows 10 UI
- Não vinculado a WinRT API, funcionará também no Windows 7 e 8



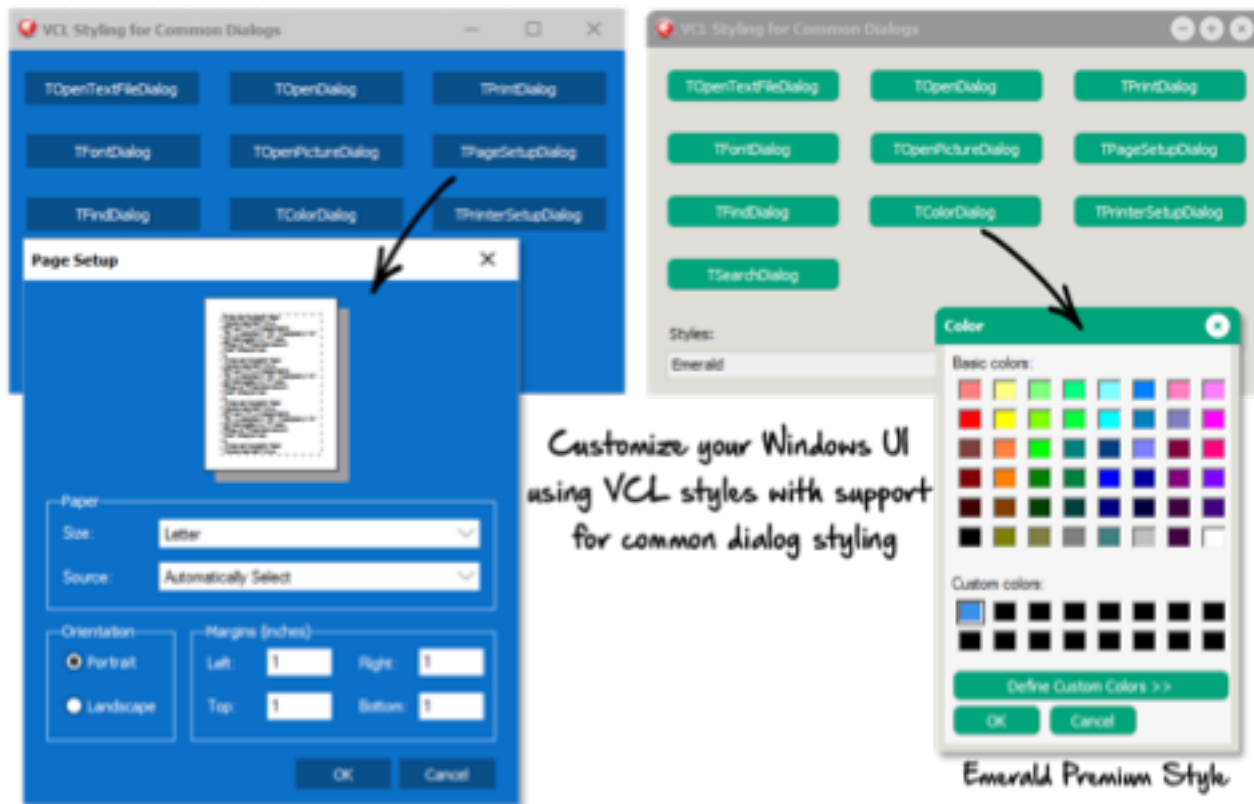
# INTEGRAÇÃO COM WINDOWS RT: NOTIFICAÇÕES



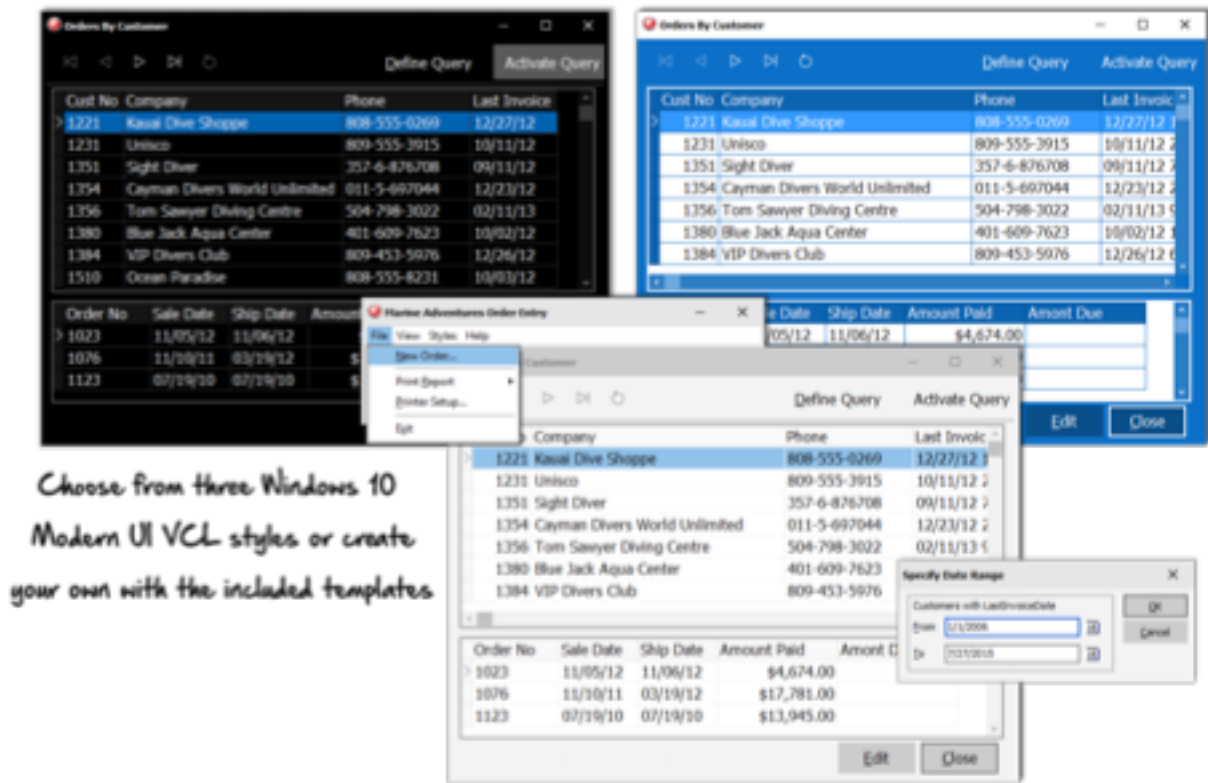
# INTEGRAÇÃO COM WINDOWS RT: CONTRATOS



# ESTILOS PARA VCL: DIÁLOGOS COMUNES

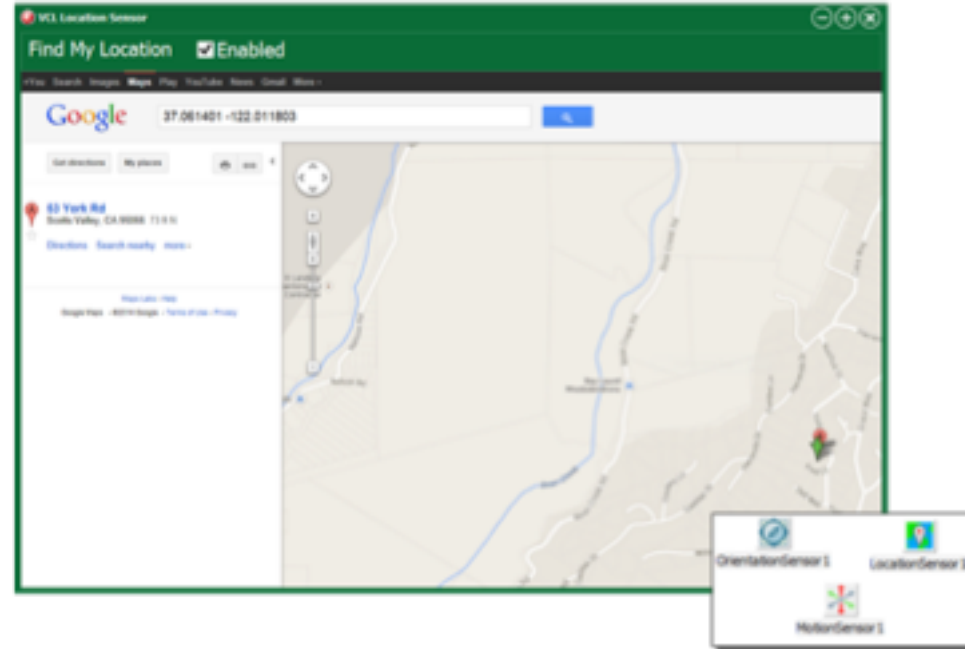


# ESTILOS PARA VCL: 50+ PADRÕES VISUAIS



# SUPORE PARA SENSORES

- Acesso a localização, movimentação e outros sensores para Windows
- Acesso a sensores a partir de aplicações VCL 32/64 bit
- Componentes para Accelerometer, GPS e Gyroscope





# SUPORE BLUETOOTH/LE

	"Classic" Bluetooth	Bluetooth LE "Low Energy"
Power Consumption	High	Low
Data transfer rate	High (2 Mbps)	Low (< 100kbps)
Number of slaves	Up to 7	Large number
Profiles	Standard (SPP, DUN, PAN)	Generic Attribute Profile
Common usage Scenario	Cars, headphones, hands free devices, mobile phones	Health devices, smart watches, wearables, gadgets

# SUPORE BLUETOOTH/LE: PLATAFORMAS

	“Classic” Bluetooth	Bluetooth LE “Low Energy”
Android	✓	✓ (only from Android 4.3)
iOS	✗	✓ (iPhone 4s+ and iPad2+)
Windows	✓	Only in Windows 8
Mac	✓	✓

# REVIEW: FIREDAC, PPL, 64 BIT, UNICODE

- Migração FireDAC
  - <https://youtu.be/XRHY4a1rvFw>
  - Mais 8 episódios no playlist: <http://embt.co/AcademyBR-replay>
- Parallel Programming Library (PPL)
  - [https://youtu.be/DHDc\\_TWZNTg](https://youtu.be/DHDc_TWZNTg)
- 64 BIT, UNICODE
  - <https://fernandorizzato.com/migration-upgrade-center/>

DEMOS

# RECURSOS ADICIONAIS

## ■ Documentação

- [http://docwiki.embarcadero.com/RADStudio/Tokyo/en/What%27s\\_New\\_in\\_Seattle](http://docwiki.embarcadero.com/RADStudio/Tokyo/en/What%27s_New_in_Seattle)
- [http://docwiki.embarcadero.com/RADStudio/Berlin/en/Subscription\\_Update\\_2\\_-\\_Anniversary\\_Edition](http://docwiki.embarcadero.com/RADStudio/Berlin/en/Subscription_Update_2_-_Anniversary_Edition)
- [http://docwiki.embarcadero.com/RADStudio/Tokyo/en/10.2\\_Tokyo\\_-\\_Release\\_2](http://docwiki.embarcadero.com/RADStudio/Tokyo/en/10.2_Tokyo_-_Release_2)
- [http://docwiki.embarcadero.com/RADStudio/Tokyo/en/10.2\\_Tokyo\\_-\\_Release\\_3](http://docwiki.embarcadero.com/RADStudio/Tokyo/en/10.2_Tokyo_-_Release_3)

## ■ Blogs

- <https://community.embarcadero.com/blogs/entry/getting-started-with-the-new-vcl-windows-10-ui-controls>
- <https://community.embarcadero.com/blogs/entry/using-the-winrt-globalization-api>
- <https://community.embarcadero.com/blogs/entry/rad-studio-10-2-windows-10-vcl-uwp-winrt-support>
- <https://community.embarcadero.com/blogs/entry/you-can-easily-location-enable-your-delphi-vcl-windows-apps-43078>

# OBRIGADO!

## Perguntas?

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