



Truques e Técnicas que Você Precisa Saber Sobre a **IDE**

Fernando Rizzato
Lead Software Consultant, *Latin America*



AGENDA

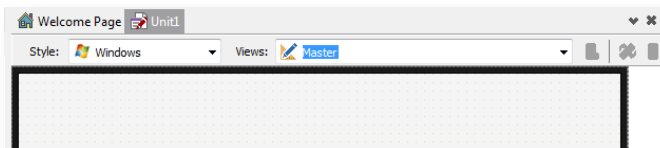
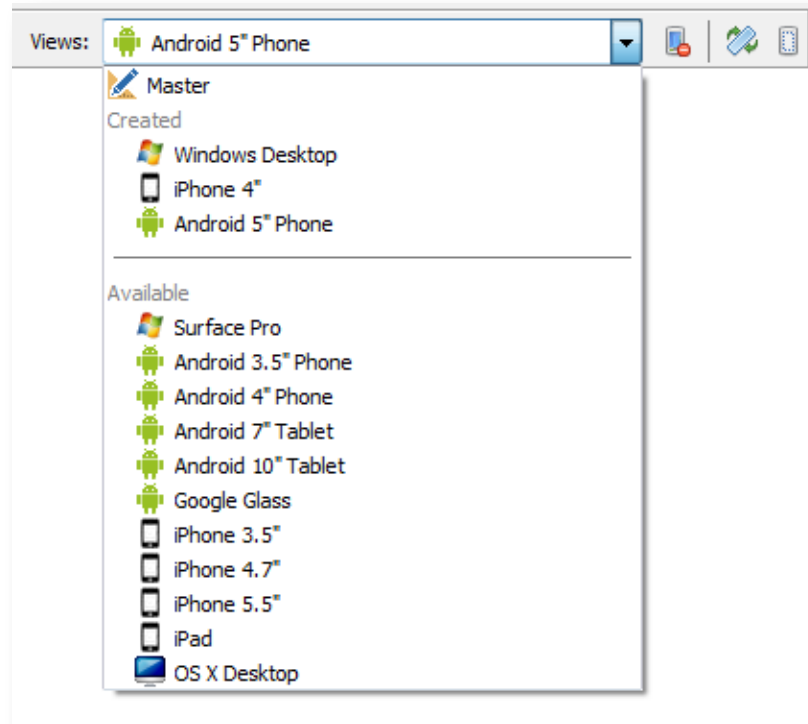
- Multi-Device Designer, Preview, Live Preview
- Novidades Recentes no Project Manager, Project > Options e Data Explorer
- O Dobro de Poder para a IDE
- Melhor Experiência e Produtividade
- Utilitários (Migration Tool, reFind, PAServer)
- GetIt e Community Toolbar
- UML Modeling
- ToolsAPI

MULTI-DEVICE DESIGNER

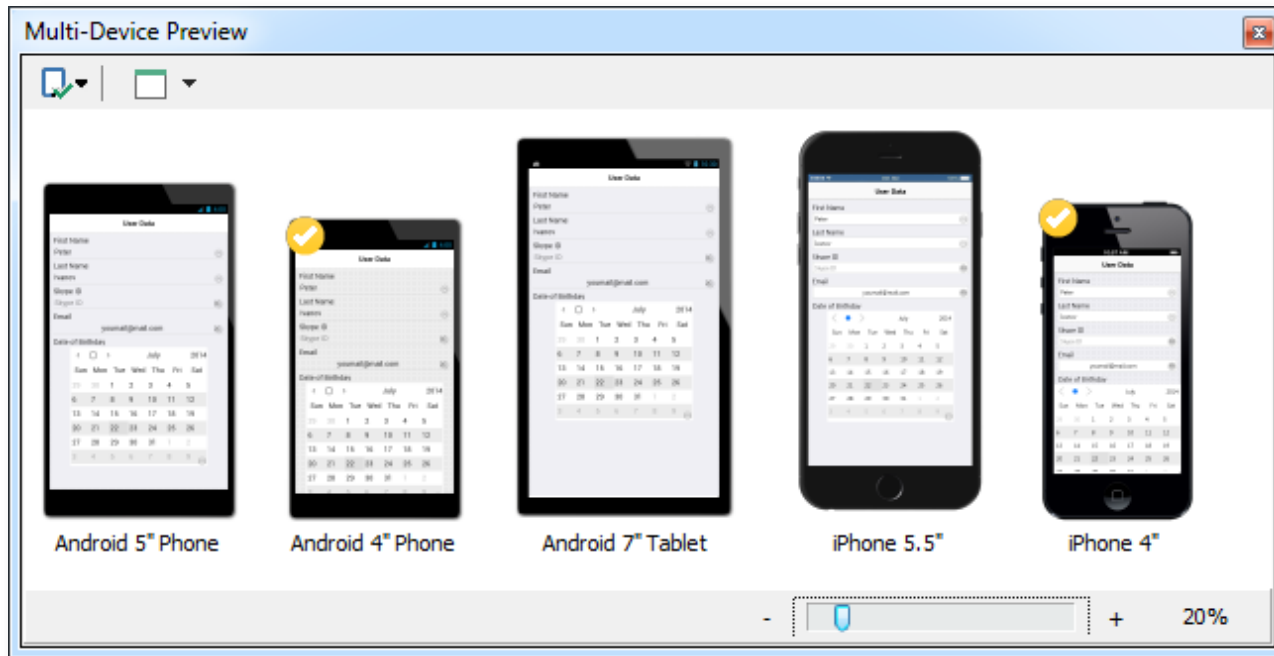
- Trabalhando com Views
- Design Multidispositivo
- Views Customizadas

implementation

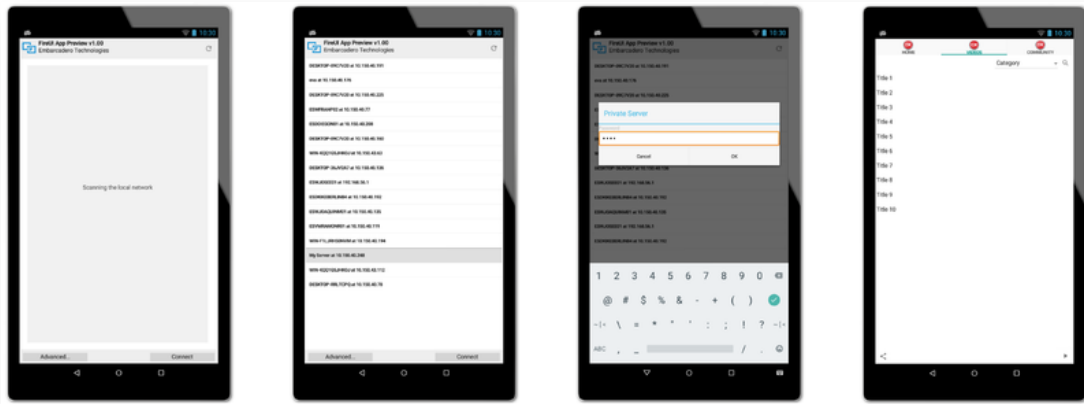
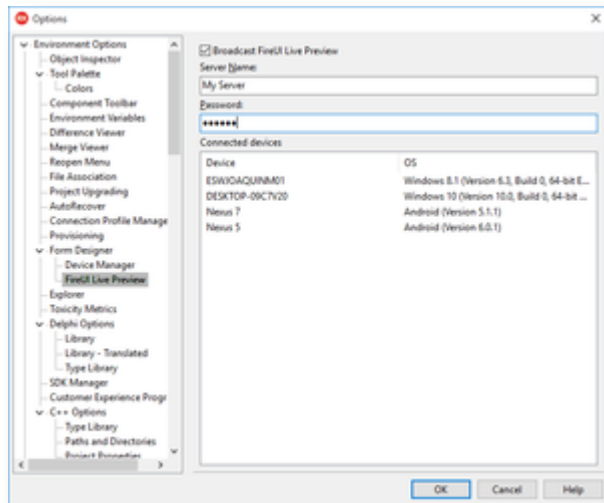
```
{ $R *.fmx }  
{ $R *.Windows.fmx MSWINDOWS }  
{ $R *.iPhone4in.fmx IOS }  
{ $R *.LgXhdpiPh.fmx ANDROID }
```



MULTI-DEVICE PREVIEW



FIREUI LIVE PREVIEW



Apple Store

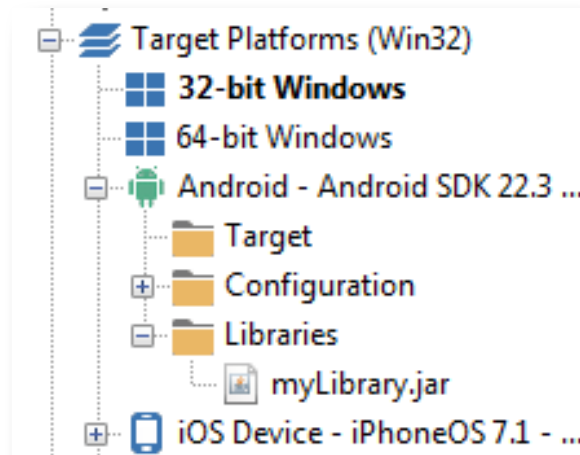
<https://itunes.apple.com/us/app/fireui-app-preview-10.1-berlin/id1090861997>

Google Play

<https://play.google.com/store/apps/details?id=com.embarcadero.LivePreview101>

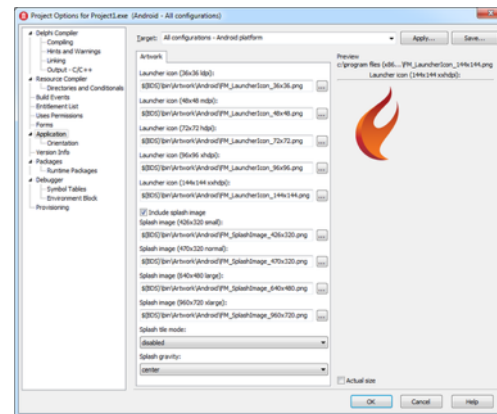
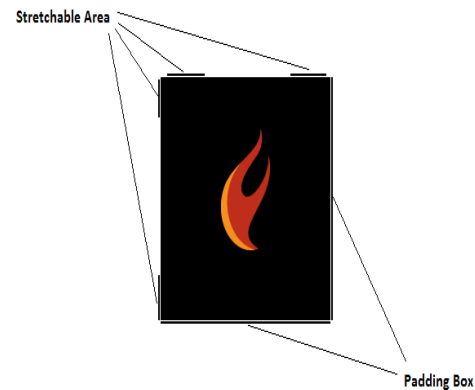
NOVIDADES PROJECT MANAGER

- Arquivos adicionados automaticamente ao Deployment Manager
- Deployment para Windows Store (APPX)
- Gerenciamento de bibliotecas Android
 - Adicionar / Remover
 - Java2OP.exe (Java to Object Pascal)



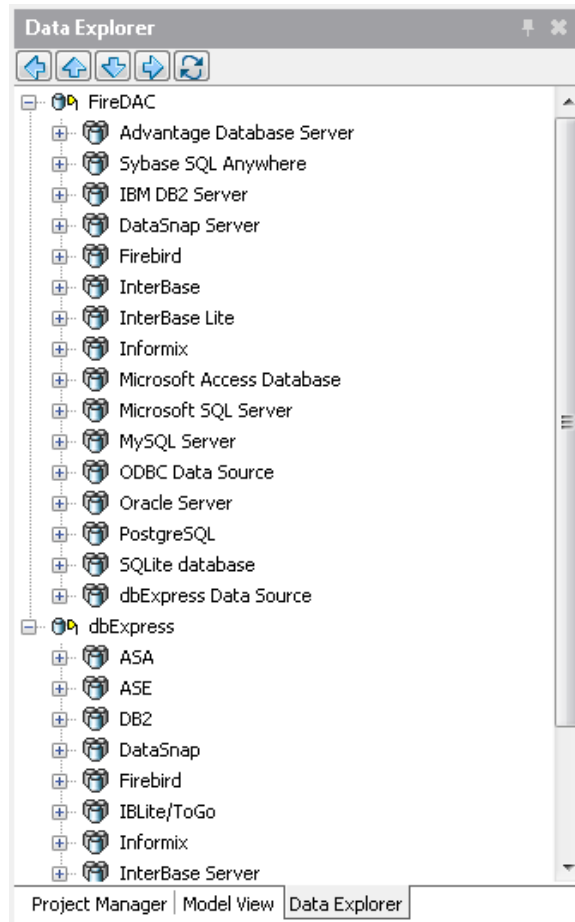
NOVIDADES NO PROJECT > OPTIONS

- Splash Screen para Android
- Entitlement List para Android, iOS e OS X
- Customização de Estilos para VCL
- Artwork para FireMonkey e VCL (Windows Store)
- SDK Manager, Provisioning e Profile Manager



NOVIDADES NO DATA EXPLORER

- Suporte para FireDAC
 - Primary keys
 - Foreign keys
 - Generators



O DOBRO DE PODER PARA A IDE

- O Dobro de Memória
 - IDE e compiladores integrados pode usar o dobro da memória disponível do que nas versões anteriores
- Unit caching otimizado
 - Quando compilando vários projetos em um grupo
- Auto recuperação do código fonte
 - Em caso de *crash*, o código fonte pode ser recuperado automaticamente

MELHOR EXPERIÊNCIA E PRODUTIVIDADE

- Oculte controles não visuais
- Filtre as propriedades no Object Inspector
- Structure View tem novos ícones para os componentes
- Suporte Multi-Monitor estendido na IDE
- Estatísticas de Projeto Integradas
- Histórico do Clipboard, suporte multi-paste
- Controle de fluxo e destaques estruturais
- Toolbar para navegação no código

MELHOR EXPERIÊNCIA E PRODUTIVIDADE

Code Navigation Toolbar for easy access to classes and methods

Show and hide non-visual controls on your form

Identify components in the Structure pane through their corresponding icons

Filter properties and events using the built-in search functionality

Clipboard History for access to previously copied content

Project Statistics to get a clear picture of team productivity

Multi-Paste for modifying previously copied text and pasting it into the Code Editor

The screenshot displays the Embarcadero IDE interface with several productivity-enhancing features highlighted. The Structure pane on the left shows a tree view of the project components, including Form1, Layout1, and various controls like Label1, Button1, LocationSensor1, MultiView1, ListBox1, Toolbar2, and Button2. The Object Inspector below it shows the properties and events for the selected component, MultiView1. The Code Editor in the center shows the source code for TForm1.FormCreate, with a Code Navigation Toolbar above it. The Clipboard History window on the right shows a list of copied items, including AppAnalytics1.AllowTracking and AppAnalytics1.UserID. The Project Statistics window shows a pie chart and a table of time spent on different tasks. The Multi-Paste window shows options for pasting text, including a preview of the pasted content.

Task	Time
Editing:	0:01:58
Designing:	0:00:01
Inspecting:	0:00:01
Compiling:	0:00:06
Other:	0:02:37
Total:	0:04:42

Task	Time
Debugger Time:	0:00:01

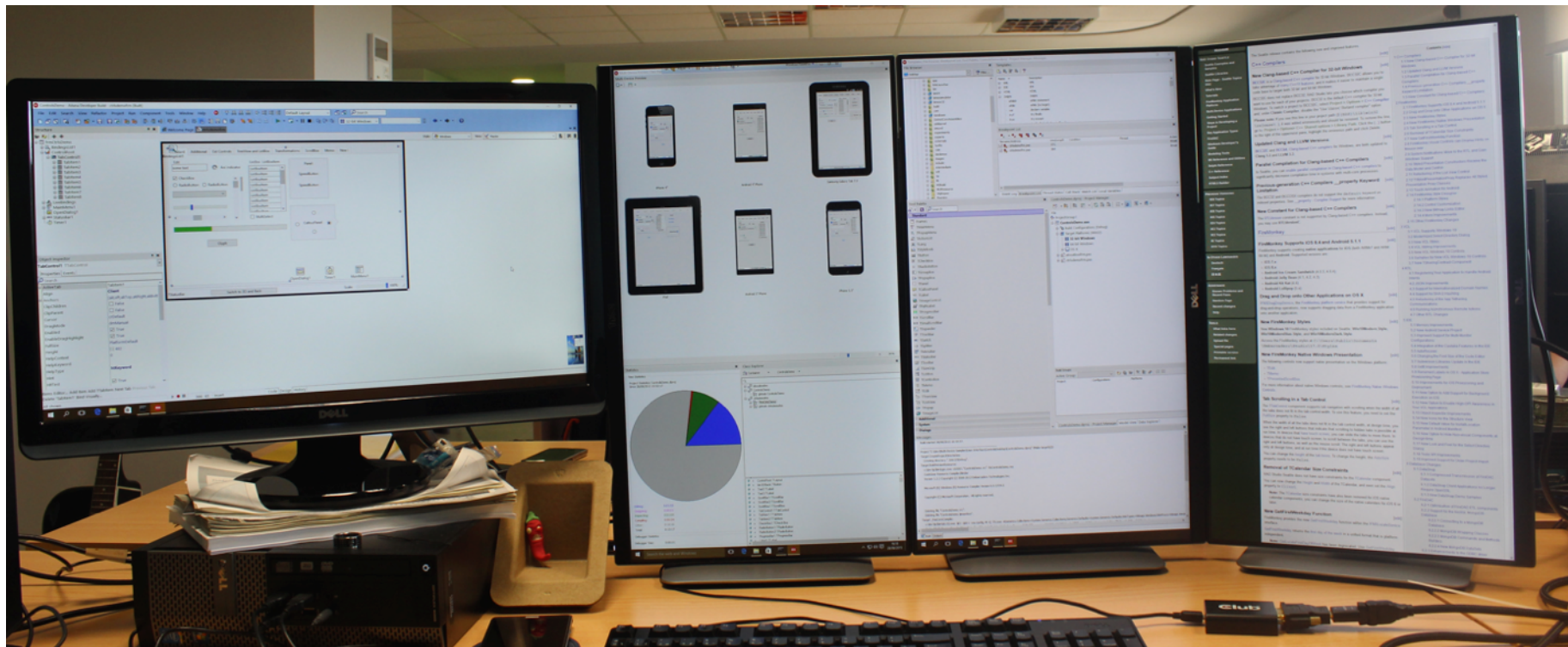
Multi-Paste Options:

- Text before each line:
- Text after each line:
- Escape Quotes
- Pascal style: ' = "
- Trim Clipboard Contents

Preview:

```
DM1.FDQuery1.SQL.Add(select invoice.id, invo
DM1.FDQuery1.SQL.Add(from invoice, custom
DM1.FDQuery1.SQL.Add(where invoice.custom
DM1.FDQuery1.SQL.Add(and customer.country=
```

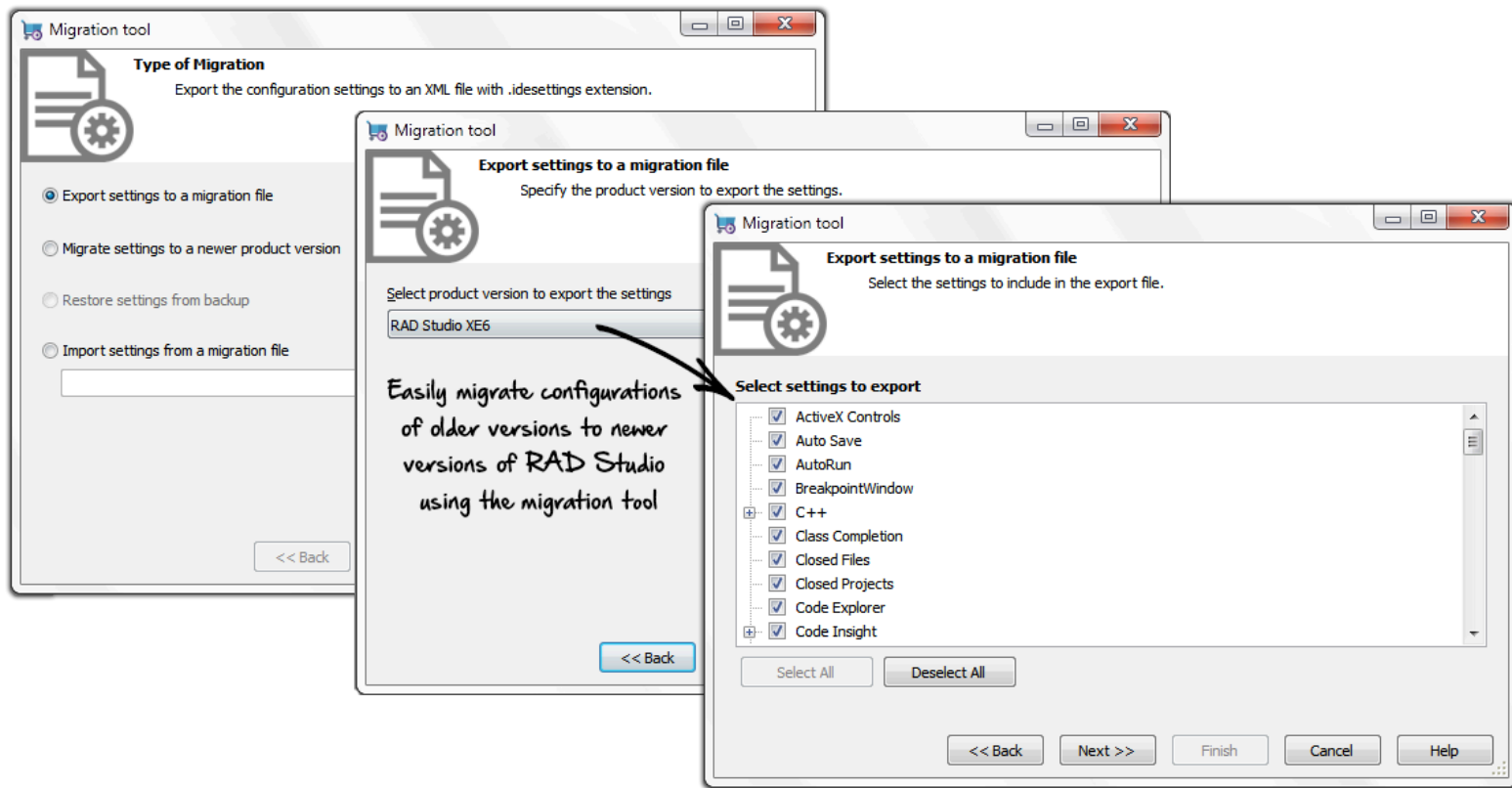
MELHOR EXPERIÊNCIA E PRODUTIVIDADE



MIGRATION TOOL

- Localize na pasta Bin, *migrationtool.exe*
- Para migrar configurações de versões antigas da IDE
 - Se instalado na mesma máquina, registry -> registry
 - Se está em diferentes máquinas, Import/Export via XML
- Copiar configurações da mesma versão entre diferentes instalações (via XML)
- Você pode copiar também apenas grupos específicos

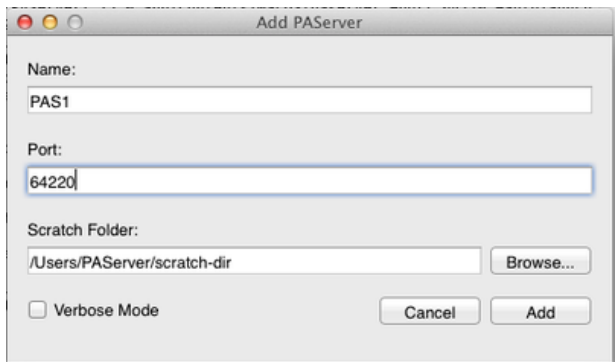
MIGRATION TOOL



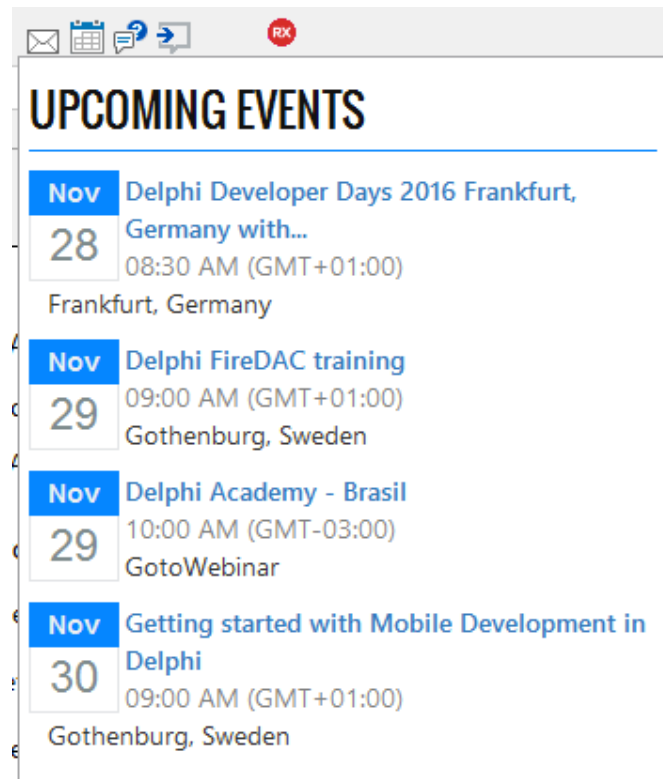
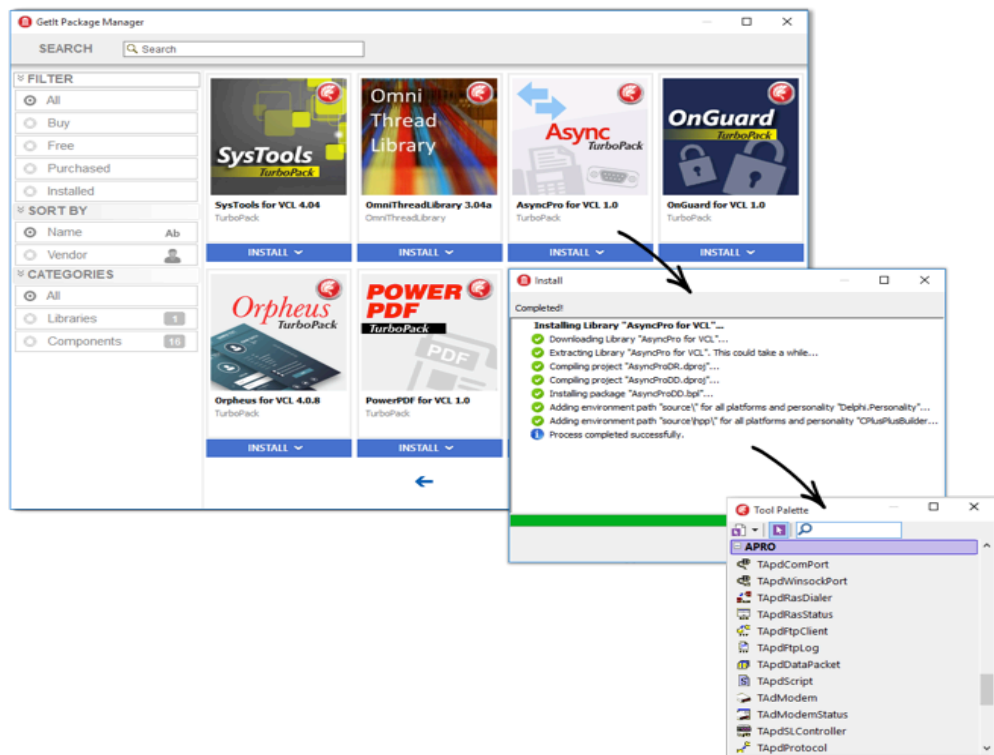
REFIND, PASERVER

- reFind.exe (Migração de BDE, DBX, etc.)
- PAServer para MAC/Windows

```
refind *.pas /I /W /P:TQuery /R:TFDQuery
```



GETIT E COMMUNITY TOOLBAR



TOOLSAPI

- Você pode estender e personalizar o RAD Studio
- Mais de 100 interfaces que interagem com o IDE, incluindo
 - Menu principal
 - Barras de ferramentas
 - Buffers internos do editor fonte
 - Macros de teclado
 - Formulários e seus componentes
 - Depurador e o processo que está sendo depurado

Mãos a Obra!

DEMOS

RECURSOS ADICIONAIS (1/3)

■ Documentação

- [http://docwiki.embarcadero.com/RADStudio/en/FireUI Live Preview](http://docwiki.embarcadero.com/RADStudio/en/FireUI_Live_Preview)
- [http://docwiki.embarcadero.com/RADStudio/en/Form Designer](http://docwiki.embarcadero.com/RADStudio/en/Form_Designer)
- [http://docwiki.embarcadero.com/RADStudio/en/What Was New in Past Releases](http://docwiki.embarcadero.com/RADStudio/en/What_Was_New_in_Past_Releases)

■ Blogs (ToolsAPI)

- <http://www.embarcadero.com/br/rad-in-action/otapi>
- <http://www.tmssoftware.com/site/freetools.asp>
- <https://theroadtodelphi.com/>
- <https://paranassus.co/blog/>
- <http://www.peganza.com/blog.html>

RECURSOS ADICIONAIS (2/3)

- Blogs (Android Splash, Icons, Images)
 - <http://developer.android.com/guide/topics/graphics/2d-graphics.html#nine-patch>
 - http://docwiki.embarcadero.com/RADStudio/en/Using_9-patch_Images_in_Android
 - <http://blogs.riversoftavg.com/index.php/2014/02/03/creating-icons-and-launchers-for-delphi-mobile-applications/>
 - <http://makeappicon.com/>

RECURSOS ADICIONAIS (3/3)

- Blogs (UML)
 - UML Visualize with RAD Studio
 - <http://www.youtube.com/watch?v=LTpAAz3WkZk>
 - Deep Dive: Developer UML with Delphi
 - <http://cc.embarcadero.com/Item/27352>
 - UML Modeling
 - http://docwiki.embarcadero.com/RADStudio/en/UML_Modeling

OBRIGADO!

Perguntas?

Você pode me encontrar em:

@FernandoRizzato

fernando.rizzato@embarcadero.com

Siga-nos em

fb.com/DelphiBrasil

fb.com/EmbarcaderoBR