



Embarcadero Conference

Automatizando Builds

Alessandro Fragnani

Embarcadero

Conference



Quem sou eu?

- Delphi
 - +20 anos de experiência
 - Softplan – Suporte Interno UNJ
- Open Source
 - +5 anos
 - Delphi, Sublime, Atom e Visual Studio Code
 - Delphi, Python, JS, CS e TypeScript
 - github.com/alefragnani









Alessandro Fragnani
alefragnani

I'm a software engineer and Open Source contributor for Delphi, Visual Studio Code and Atom

Edit bio

📍 Florianópolis, Brazil
✉ alefragnani@hotmail.com
🌐 <https://twitter.com/alefragnani>

 Project Manager Alessandro Fragnani 1.9M Easily switch between projects ★★★★★ FREE	 Bookmarks Alessandro Fragnani 1.1M Mark lines and jump to them ★★★★★ FREE	 Pascal Alessandro Fragnani 88.9K Pascal language support for Visual Studio Code ★★★★★ FREE	 Numbered Bookmark Alessandro Fragnani 56K Mark lines and jump to them, in Delphi style ★★★★★ FREE	 Delphi Keymap Alessandro Fragnani 29.2K Popular Delphi keybindings for Visual Studio Code ★★★★★ FREE	 Delphi Extension Pack Alessandro Fragnani 11.2K Everything you need for Delphi development ★★★★★ FREE
---	--	---	---	---	--



language-pascal
Pascal language support in Atom

 alefragnani

📄 20,899 ⭐ 12



Agenda

- Onde estamos?
- Automação de Build
- Integração Contínua
- Demo

Onde estamos?

- Qual o tamanho dos seus projetos?
 - Sistemas
 - Frameworks
 - Componentes de Terceiros
 - Pacotes / Units / LOC
- Como você instala e compila esses projetos nas máquinas de desenvolvedores?

January 2nd



Mika Koistinen 7:50 AM

Does anyone know any good methods how to install delphi + several (too many 3rd party components 🤔) to several developer computer at "once" and keep them updated. I once did image but now we have to install berlin + license upgrade at it seems to be very hard to boys to handle ...



Onde estamos?

- Muitos componentes (DevExpress, JCL, JVCL)
- Separação em Frameworks
- Diversos Sistemas
- Centena de Pacotes/Projetos
- Milhares de PAS
- Milhões de LOC

Onde estamos?

January 2nd



Mika Koistinen 7:50 AM

Does anyone know any good methods how to install delphi + several (too many 3rd party components 🥵) to several developer computer at "once" and keep them updated. I once did image but now we have to install berlin + license upgrade at it seems to be very hard to boys to handle ...



Robert Love 10:46 PM

We have all our third party controls in version control.



Then we have a single script that we run that compiles and builds them all on each developers machine.

We used FinalBuilder for the script.

We have 10 developers

At this works well to get us all configured in a like manner. We have been working on a binary caching system as well to each developer does not need to compiler all the packages on the ones that they are changing.

But that is quite a bit away from sharing publicly but we will most likely do it at some point. (edited)

— our Build script also reads if a package is design time or not, and if it is installs it into the IDE..

Automação de Build

The process of automating the creation of a software build and the associated processes including: compiling computer source code into binary code, packaging binary code and running automated tests.





Automação de Build

Algumas tarefas que podem ser automatizadas

Ler configurações

Interagir com CVS

Gerar Métricas de Código

Executar BAT/PS

COMPILAR

Executar Testes Unitários

Ler/Escrever no Registro do Windows

Copiar Recursos

Armazenar Artefatos



Automação de Build

- Por que é importante?
 - Minimiza tarefas repetitivas
 - Agiliza a mudança de contexto
 - Evita a frase “*na minha máquina funciona*”
- Seja um *Pragmatic Programmer*
 - 21 – Use the Power of Command Shells
 - Use the shell when graphical user interfaces don’t cut it
 - 61 – Don’t Use Manual Procedures
 - A shell script or batch file will execute the same instructions, in the same order, time after time

Integração Contínua

The practice of merging all developer working copies to a shared mainline several times a day.

... A continuous integration server is a type of build automation server.





Integração Contínua

Algumas tarefas que podem ser automatizadas

Baixar fontes do VCS

Atualizar Labels VCS

Publicar Testes Unitários

Enviar Email

Executar a Compilação

Arquivar Artefatos

Publicar Métricas de Código



Demo

Demo

Delphi Community 🎉

Demo

- Uma aplicação e seus testes automatizados
- Como você sabe a qualidade dos seus testes?
 - Cobertura de Código

😊 FinalBuilder

😊 Train

😊 Gulp

😊 Jenkins

OBRIGADO



linkedin.com/in/alefragnani



alefragnani@hotmail.com



github.com/alefragnani

Embarcadero

Conference

SEJA UM **#SOFTPLAYER**



www.softplan.com.br



facebook.com/softplanonline



linkedin.com/softplan



[@softplan](https://instagram.com/softplan)

