Code4D-Wizard e OTA

{César Cardoso - @Code4Delphi

Torne a sua IDE Delphi mais completa e produtiva

Embarcadero conference 2023



Code4D-WizardeOTA

Acessar slides apresantação

César Cardoso - @Code4Delphi
Torne a sua IDE Delphi
mais completa e
produtiva



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AGENDA

- 1 Apresentação pessoal
- ² Exemplos de Wizards e Experts
- 3 O que é a Open Tools API OTA
- Baixando e instalando o Code4D-Wizard
- Principais recursos do Code4D-Wizard
- 6 Exemplo de uso da Open Tools API
- 7) Acessar exemplos e conteúdos prático

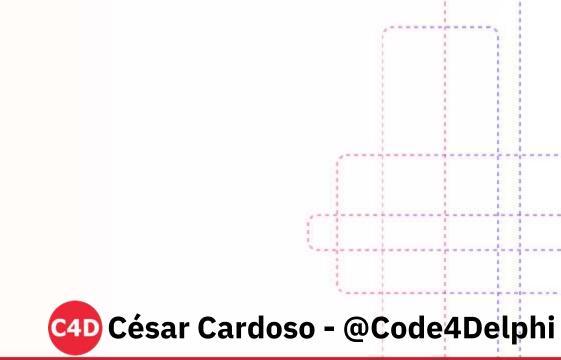
QUEM SOU EU

- -César Augusto Santiago Cardoso
- -Graduado em Análise e Desenvolvimento de Sistemas
- -Pós-graduado em Desenvolvimento de Sistemas Web
- -Desenvolvedor Delphi/PHP desde 2009
- -Desenvolvedor Delphi na Solusys Sistemas
- -Criador de conteúdo no canal Code4Delphi

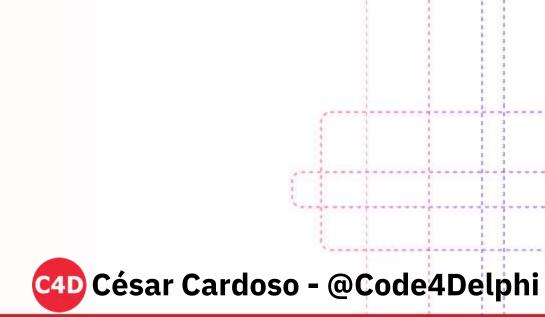


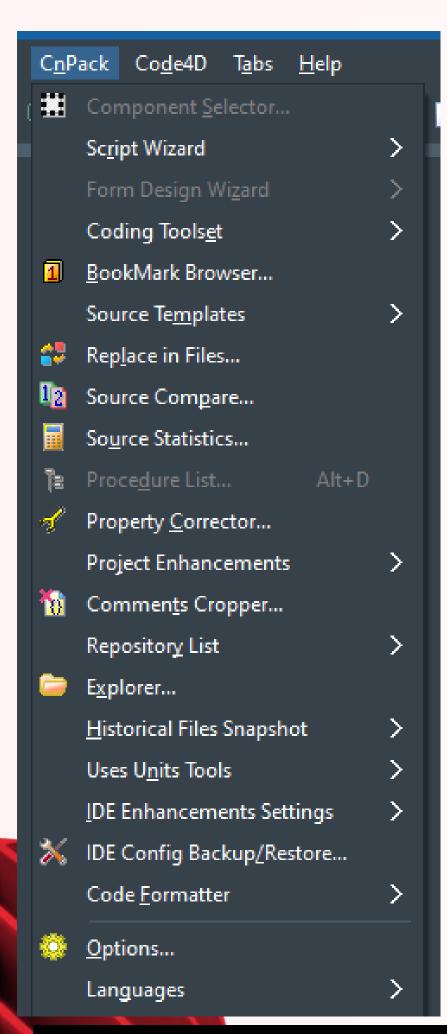
Objetivo

Despertar o interesse em utilizar a OTA para desenvolvimento de seus próprios recursos para a IDE



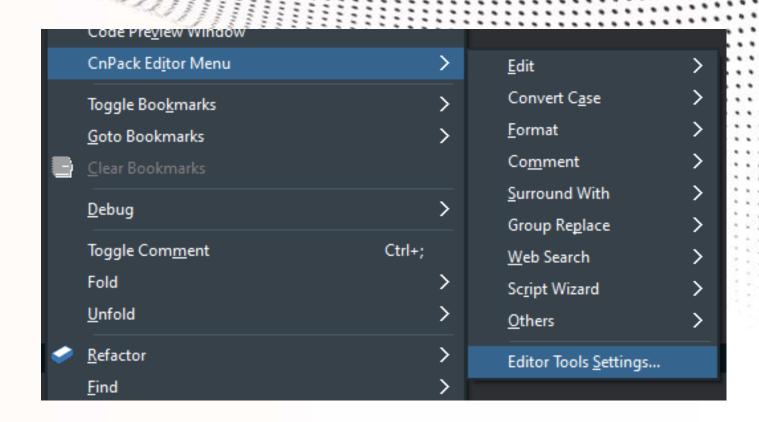
Exemplos de Wizards e Experts feitos utilizando OTA







CnPack

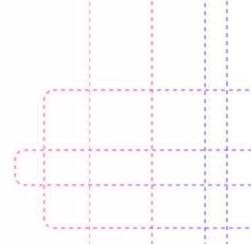


```
25 □ procedure TForm1.AlgumaCoisa (const ANum: Integer);
26
27
      try
28
        if ANum <= 10 then
29
        begin
30
          if ANum = 10 then
31
             ShowMessage('Número igual a 10')
32
          else
33
             ShowMessage ('Número menor que 10')
34
        end
35
        else
36
          ShowMessage('Número maior que 10');
37
      except
        on E: Exception do
38
          ShowMessage('Falha ao processar: ' + E.Message);
39
40
      end;
```

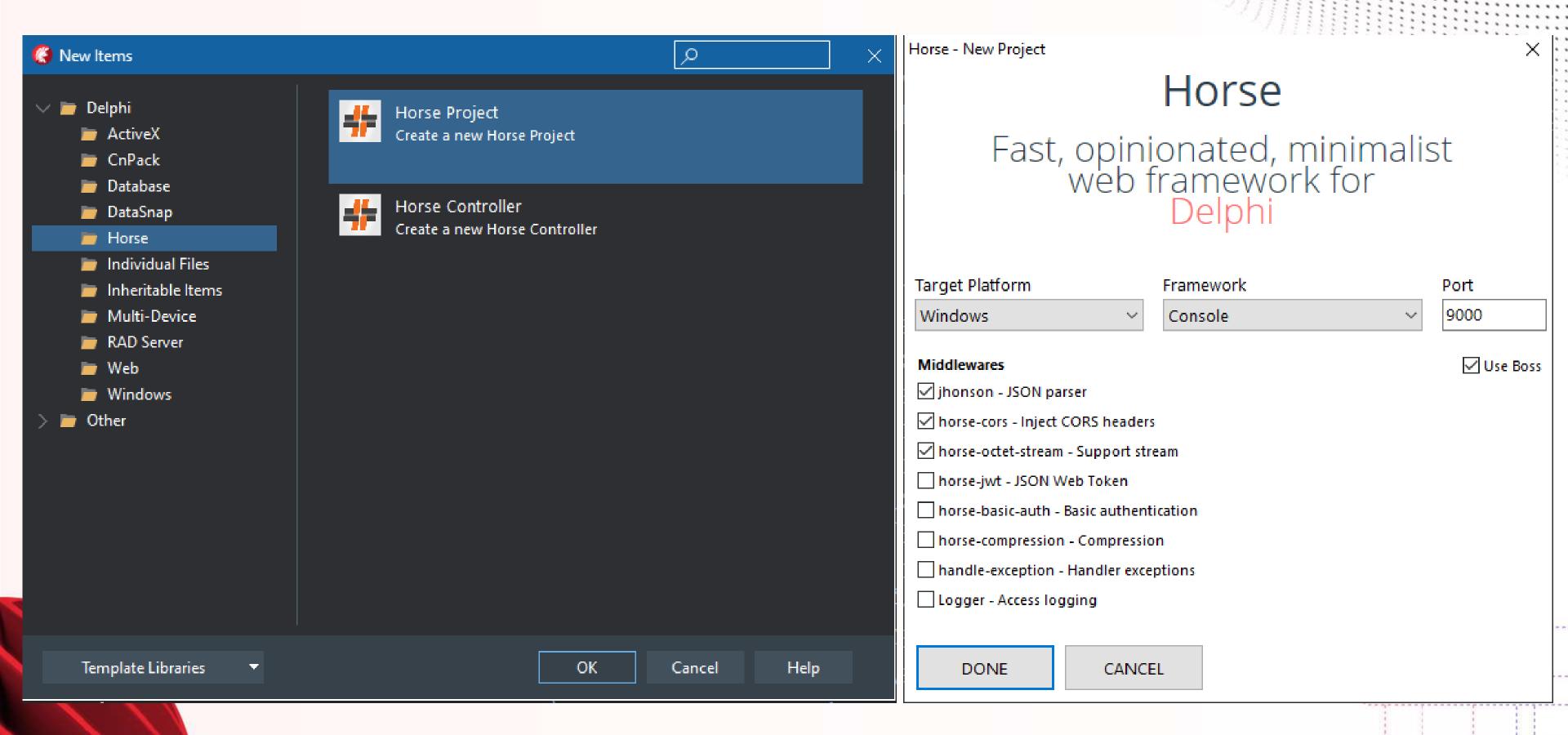
GExperts



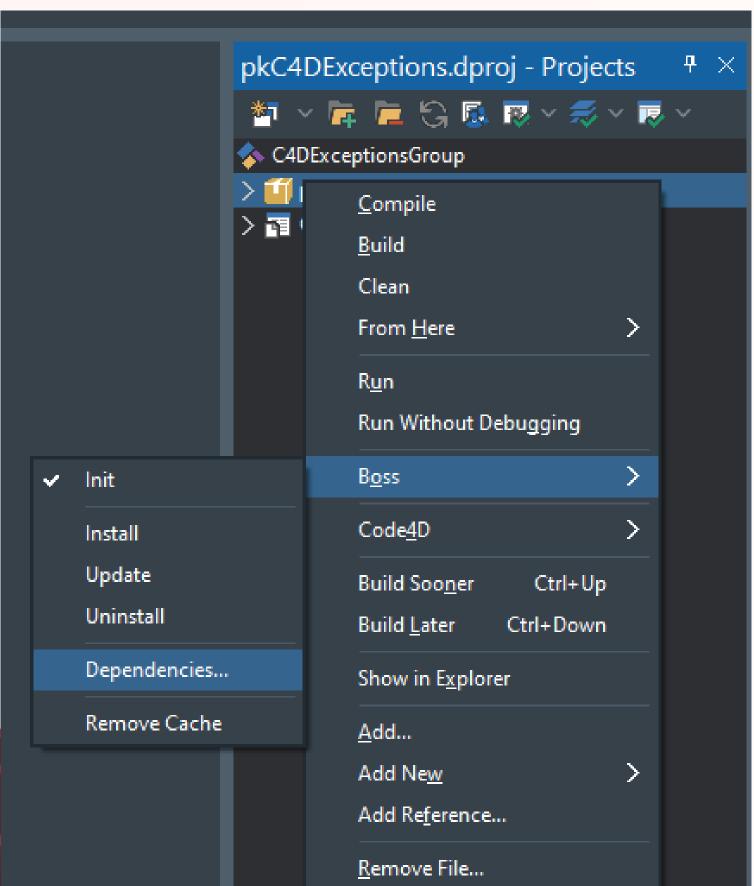


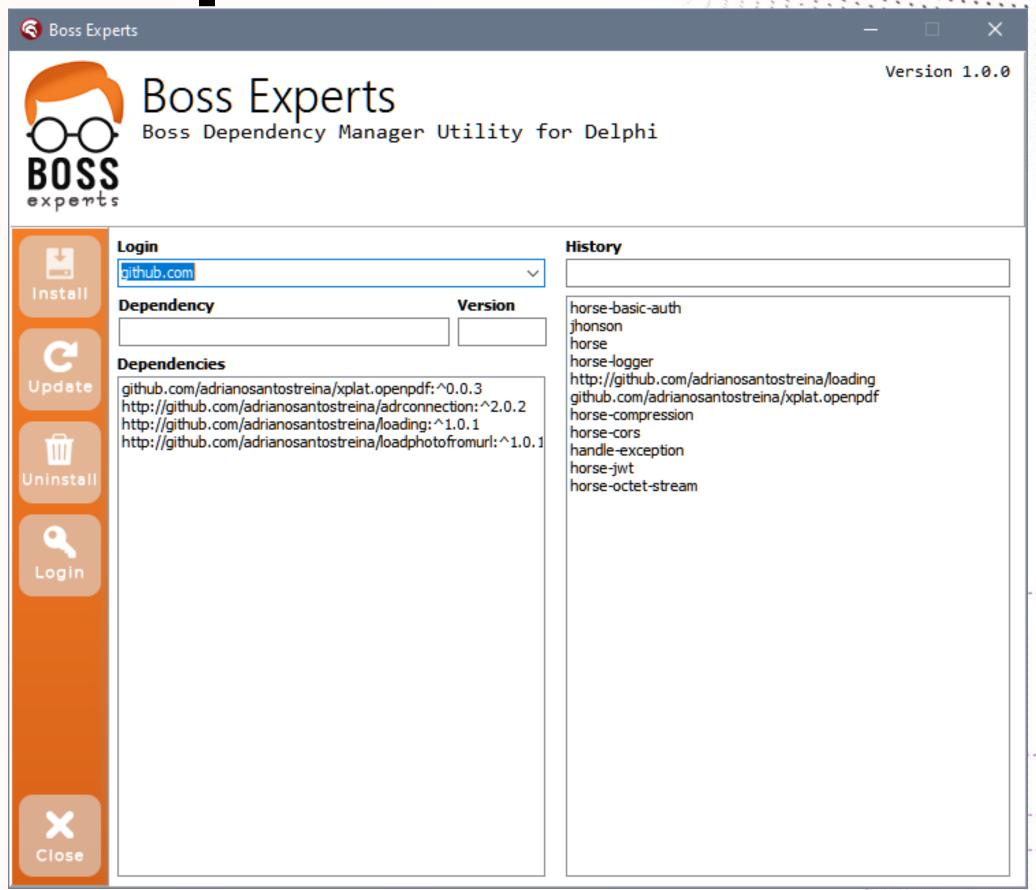


Horse wizard

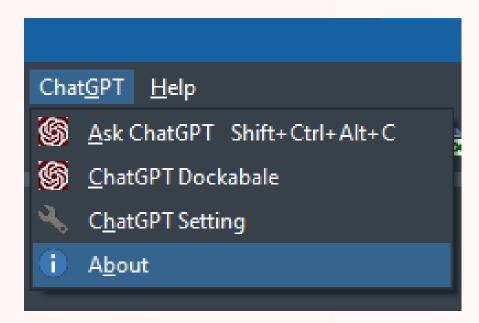


Boss Experts

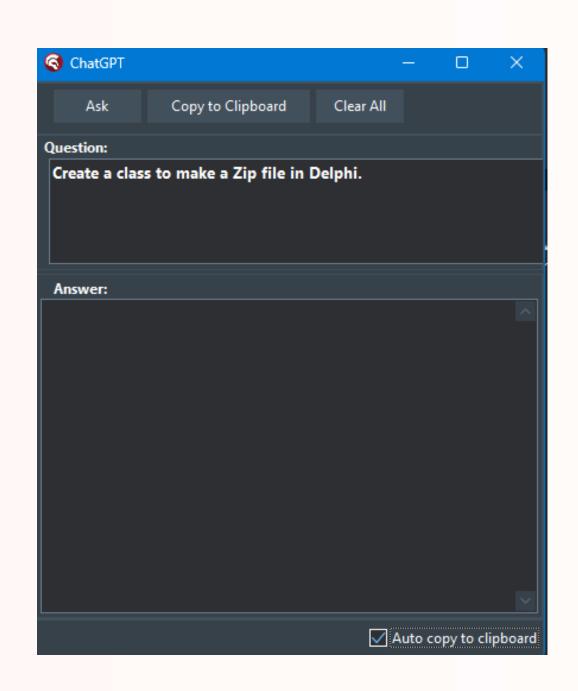


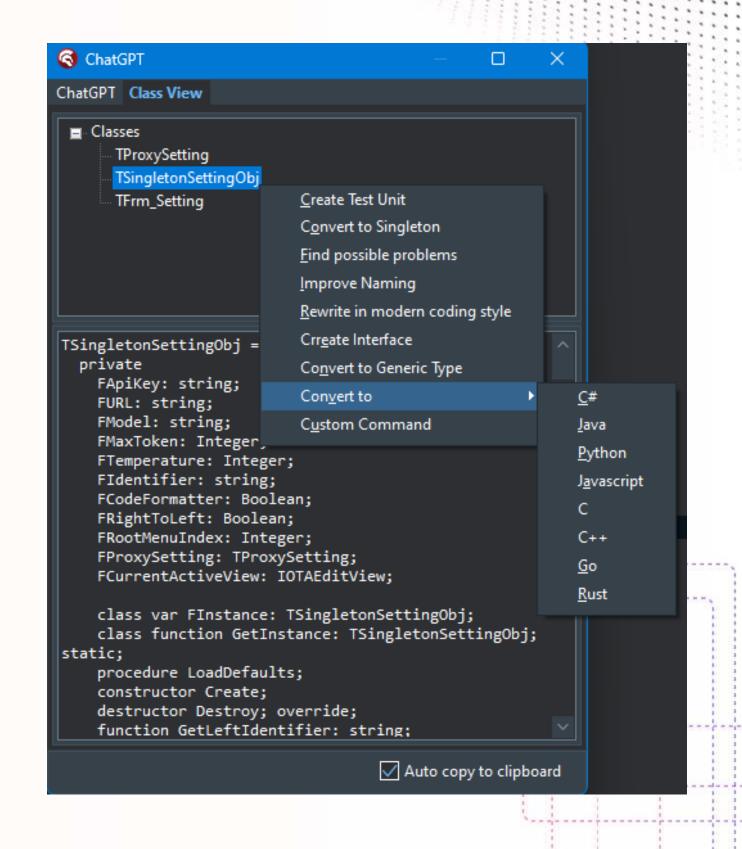


ChatGPTWizard

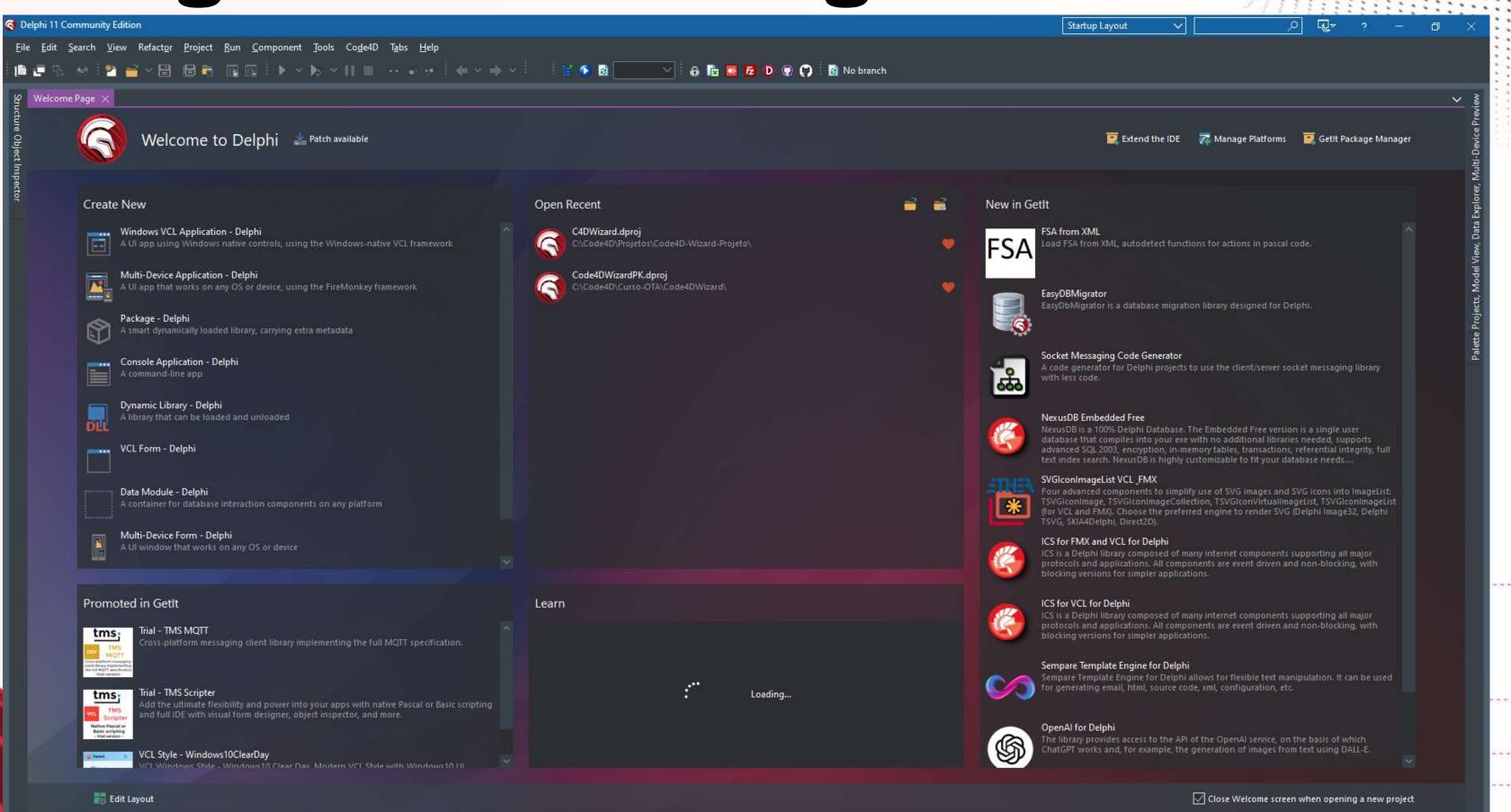








Página inicial e widgets - Usam OTA



Minimap - Usa OTA

```
Maze.Algorithms
Welcome Page
              Maze.Grid
                          Maze.DistanceDijkstra
                                             Maze.Cell
                                                                         MainForm
                                                                                          VD
                     FBitmap.Canvas.Fill.Color := TAlphaColorRec.Red;
                     FBitmap.Canvas.FillText(CellRect, IntToStr(Cell.Distance), false, 1.0,
                       [], TTextAlign.Center, TTextAlign.Center);
                   end:
                   cdColour : begin
                     if Cell.Distance = 0 then
                       FBitmap.Canvas.Fill.Color := TAlphaColorRec.Red
                       FBitmap.Canvas.Fill.Color := TAlphaColorF.Create(Cell.Distance / MaxDist
                     FBitmap.Canvas.FillRect(CellRect, 0, 0, [], Alpha);
            function TGrid.RandomCell: ICell;
              Row,
              Col : Integer;
            begin
              Row := Random(FRows);
              Col := Random(FGrid[Row].Count);
                 ena;
    280
               end;
             end;
           finally
             FBitmap.Canvas.EndScene;
           end;
         end;
       procedure TGrid.PaintCellBorders(const CellSize : Integer; const Painting : TCellPain
           Stroke = HalfStrokeThickness * 2;
    290
         var
           Cell: ICell;
           CellRect : TRectF;
         begin
           FBitmap.Canvas.BeginScene;
             FBitmap.Canvas.Stroke.Kind := TBrushKind.Solid;
             FBitmap.Canvas.Stroke.Thickness := Stroke;
             FBitmap.Canvas.Stroke.Color := WallColor;
```

O que é Open Tools API?

É um conjunto de Interface que o Delphi disponibiliza para alterarmos e interagirmos com a IDE

Principais USES:

- ToolsAPI
- DesignMenus
- DesignIntf

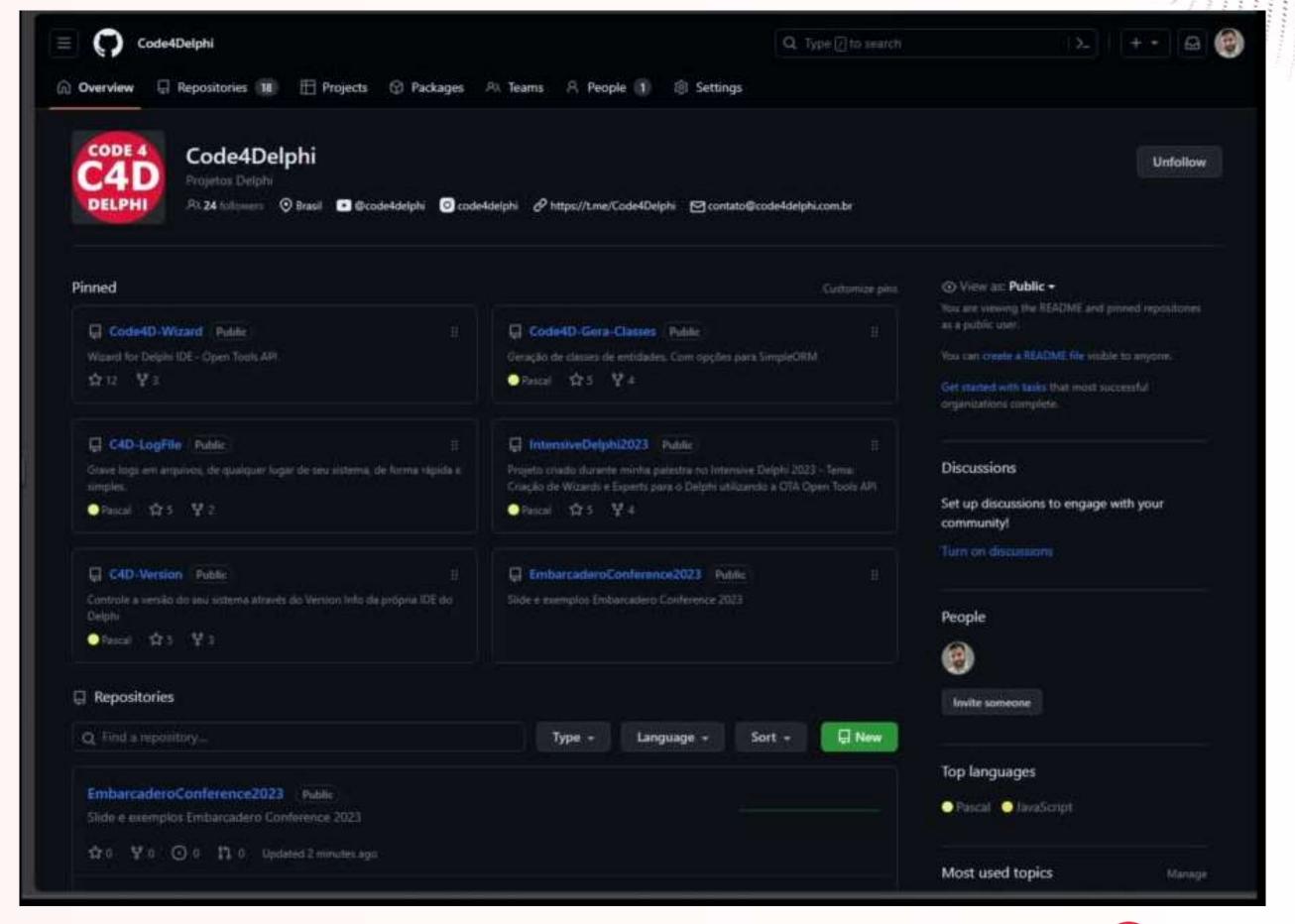
```
Component Tools CnPack Code4D MyDAC Tabs Help
            🚂 📮 🖆 🛛 💠 🗸 🏓 🗸 📔 🚺 🖸 Debug 💛 🔒 ଢ 🔽 🚺 🔘 🖫 🕥
    □unit C4D.Wizard.Register;
    -interface
 4
 5
      uses
         ToolsAPI;
```

Unit: ToolsAPI

```
1 ∃unit C4D.Wizard.Test;
 3 minterface
    uses
      {$IF CompilerVersion >= 32.0}
        System.StrUtils,
      (SENDIF)
9
10
      System.SysUtils,
      Vcl.ToolWin,
11
12
13
      System.Classes,
      System.IniFiles,
      Vcl.ComCtrls,
      Vcl.Controls,
      Vcl.Graphics,
      ToolsAPI;
   implementation
19
20
    uses
      Winapi.ShlObj,
      C4D.Wizard.Types,
23
      Winapi.ShellAPI,
24
      Vcl.Dialogs,
      Winapi.PsAPI,
      Vcl.Forms.
```

Baixando e instalando o Code4D-Wizard

Baixando e instalando o Code4D-Wizard

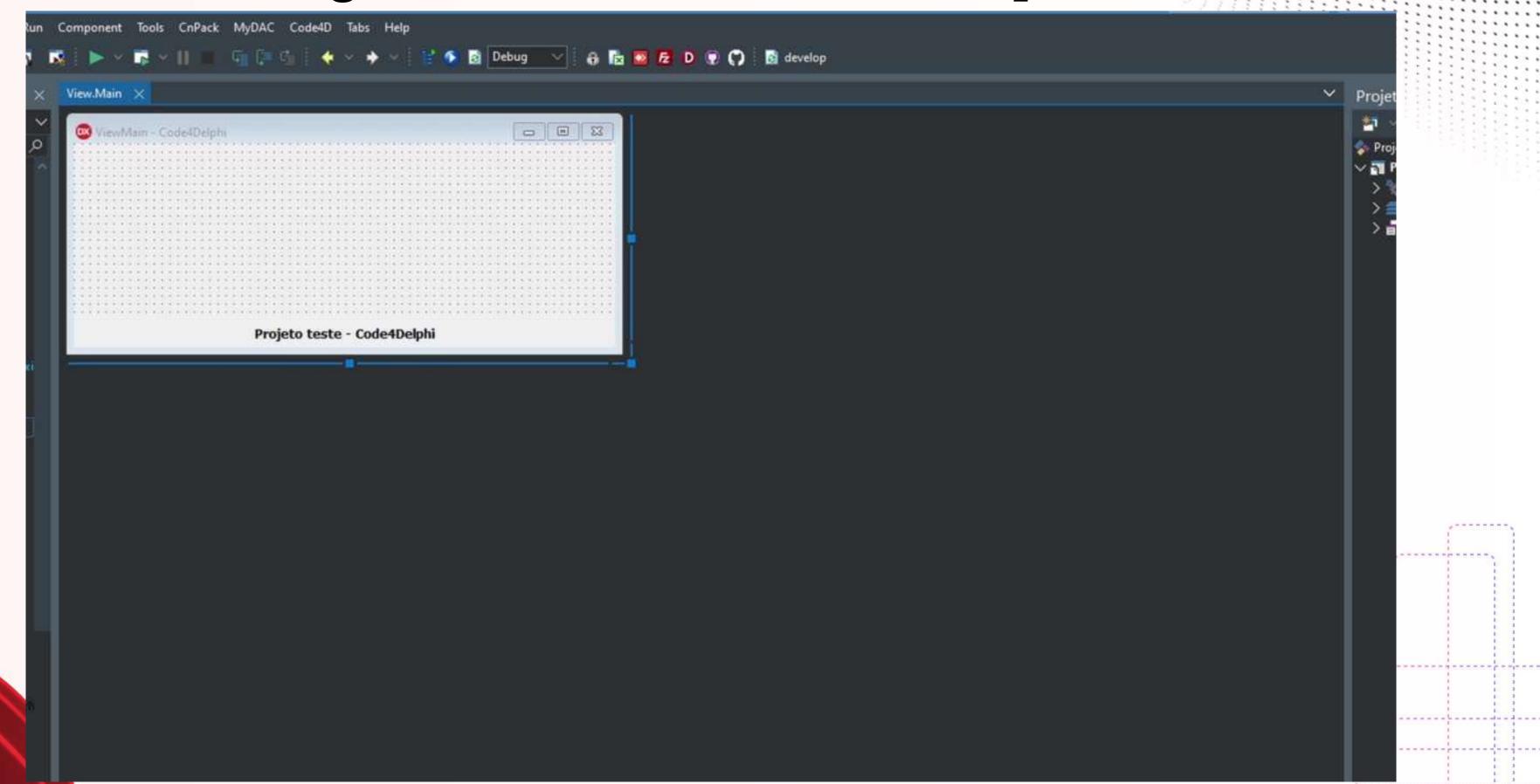


Principais recursos do Code4D-Wizard

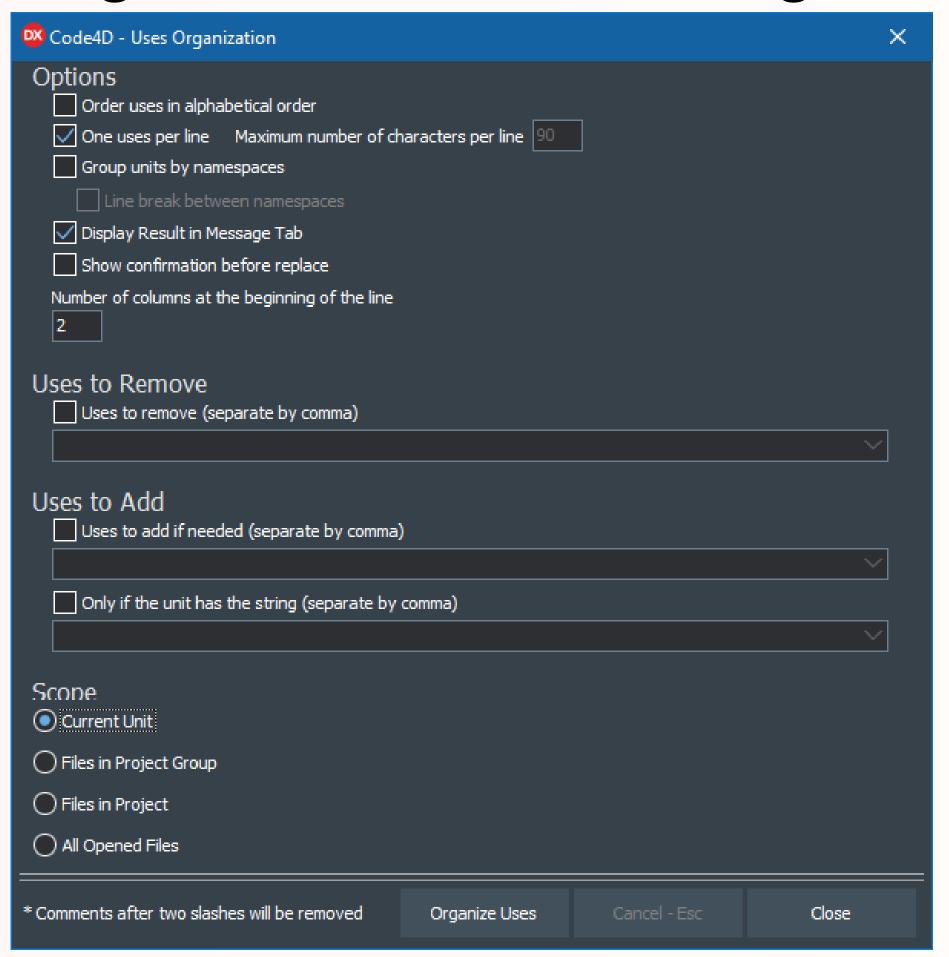
Tradução de texto direto na IDE

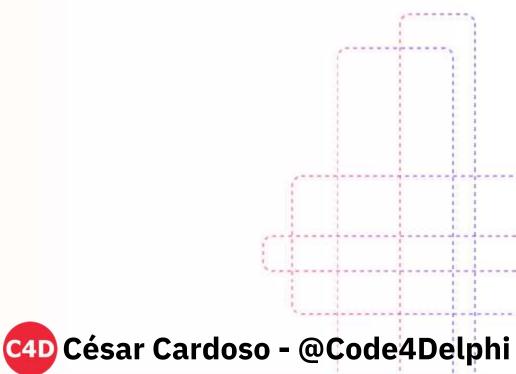
```
Run Component Tools CnPack Code4D MyDAC Tabs Help
                            🗸 🦫 🗸 Debug 🗸 👸 🔯 🔯 D 🖫 😭 📓 develop
 C4D.Wizard.Backup.Import.View X
      TC4DWizardBackupImportView
                                                        TC4DWizardBackupImportView.Re
  105
          end;
  106
  107
  108 procedure TC4DWizardBackupImportView.WriteConfigurationScree
  109
  110
          TC4DWizardModelIniFileComponents
  111
            .New (Self.Name)
  112
            .Write (edtFolder);
  113
  114
  115 procedure TC4DWizardBackupImportView.ReadConfigurationScreen
  116
  117
          TC4DWizardModelIniFileComponents
             .New (Self.Name)
5 118 €
             .Read(edtFolder, '');
  119
```

Verificações antes Compile/Build



Organização/manutenção de USES



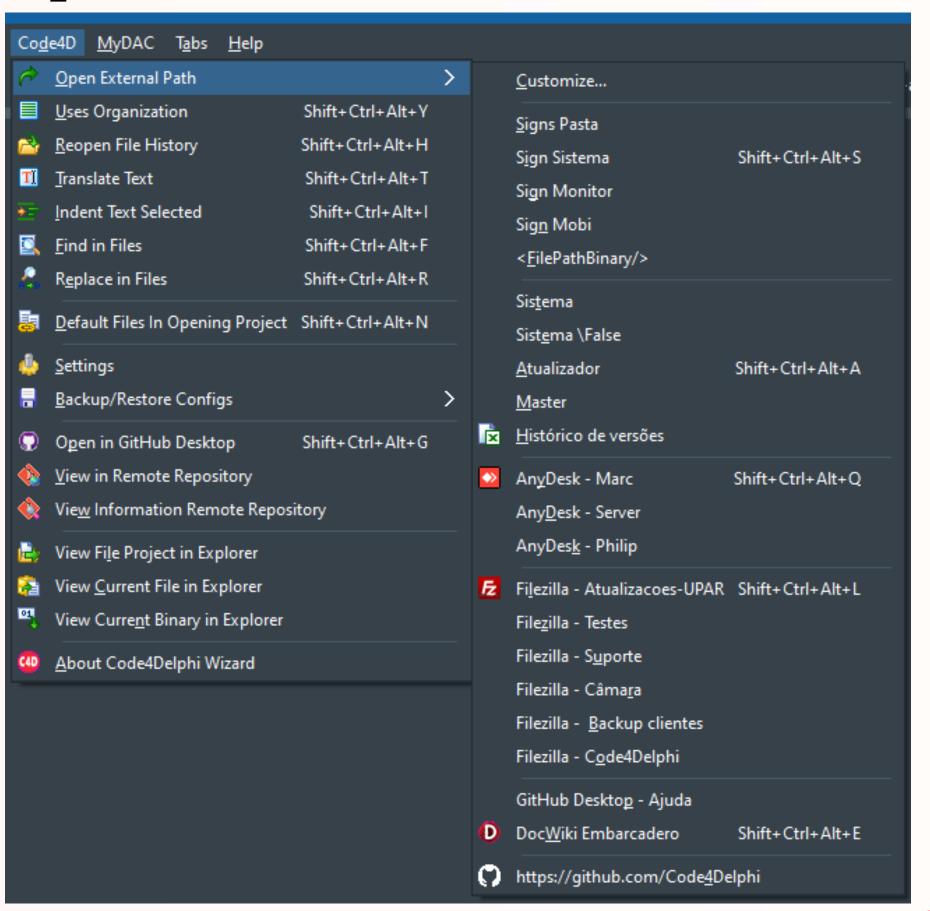


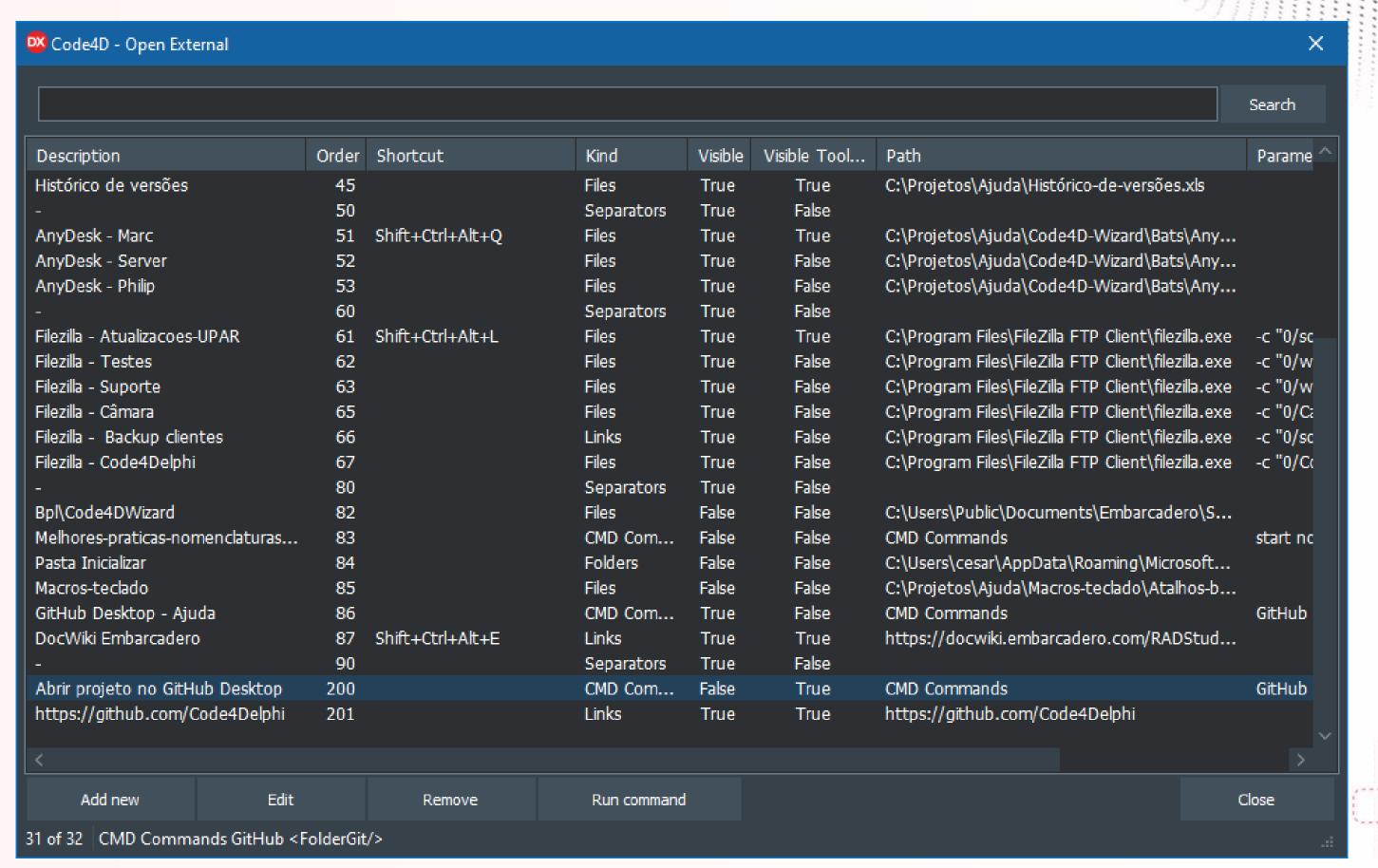
Organização/manutenção de USES

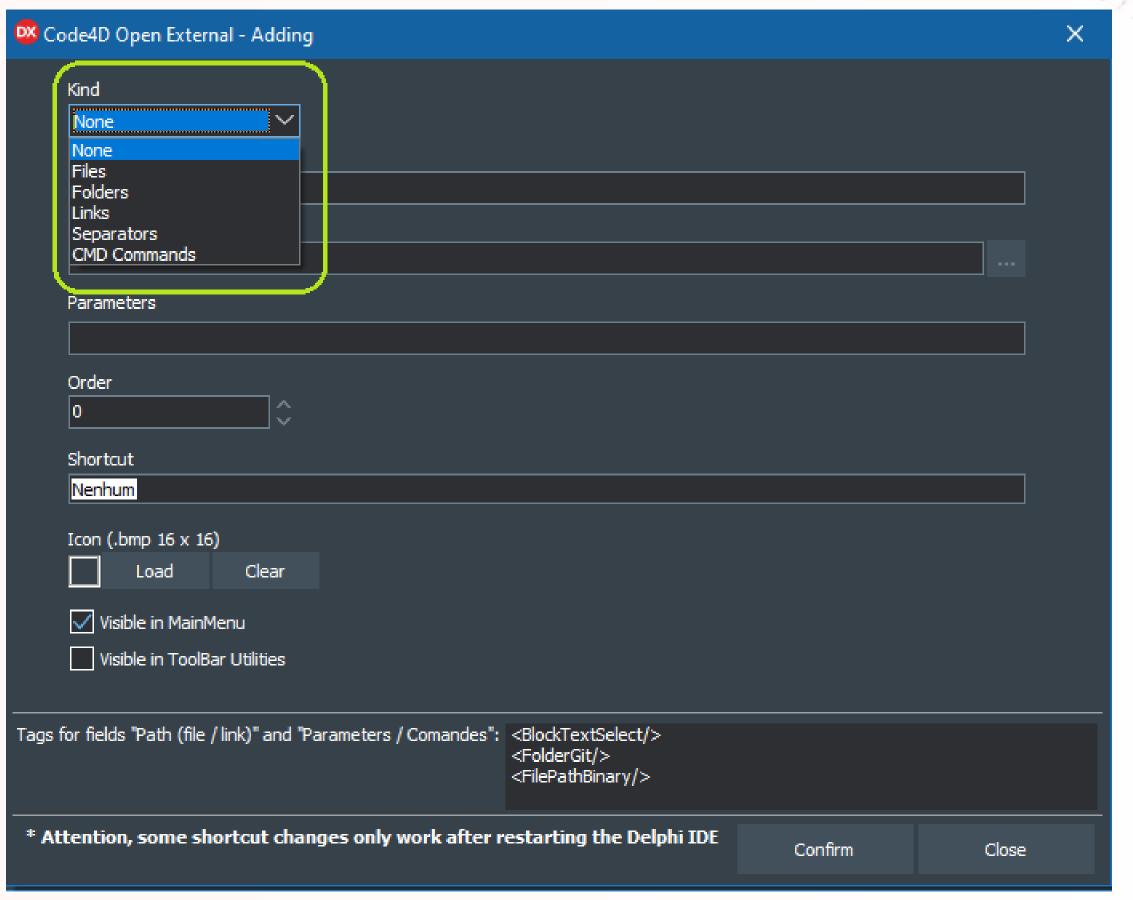
```
🏂 👩 Debug 💉
  ∃unit C4D.Wizard.Test;
   interface
    uses
    System.SysUtils, Vcl.ToolWin,System.Classes, ToolsAPI,
    System.IniFiles,
    Vcl.ComCtrls, Vcl.Controls, ($IF CompilerVersion >= 32.0) System.StrUtils, ($ENDIF)
          Vcl.Graphics;
   ≡implementation
13
    uses
    Winapi.ShlObj, C4D.Wizard.Types, Winapi.ShellAPI, Vcl.Dialogs, Winapi.PsAPI, Vcl.Forms,
                                                                                              System. Threading;
15
```

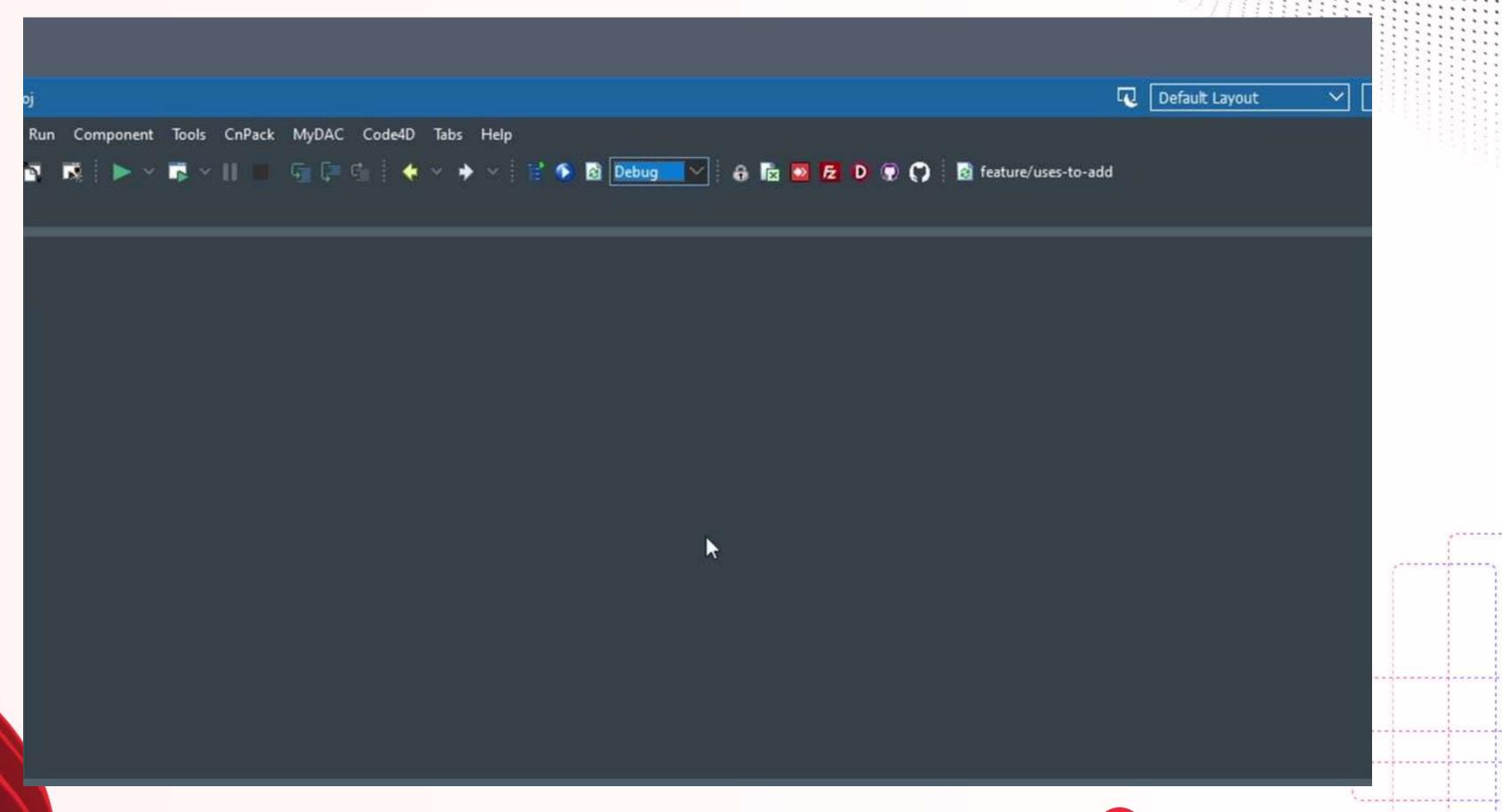
Indentação de Texto Selecionado

```
CnPack MyDAC Code4D Tabs Help
               🗸 🏕 🔻 🚺 🔯 Debug 💛 🔒 🔯 🔯 💆 🗗 D 🕝 😭 🔯 develop
    C4D.Wizard.Test X
      1 ⊟unit C4D.Wizard.Test;
      3 Finterface
         uses
           System.SysUtils;
      8 ⊟implementation
     10 ⊟procedure Teste;
         const
           NOME = 'Code4Delphi';
           CANAL YOUTUBE = 'https://www.youtube.com/@code4delphi';
     13
     14
         var
     15
           LVarl: Integer;
           LVariavel2: Integer;
     16
           LTotal: String;
     17
     18
     19
           LVar1 := 10;
           LVariavel2 := 1000;
           LTotal := 'Valor total: ' + IntToStr(LVar1 + LVariavel2);
     22
```

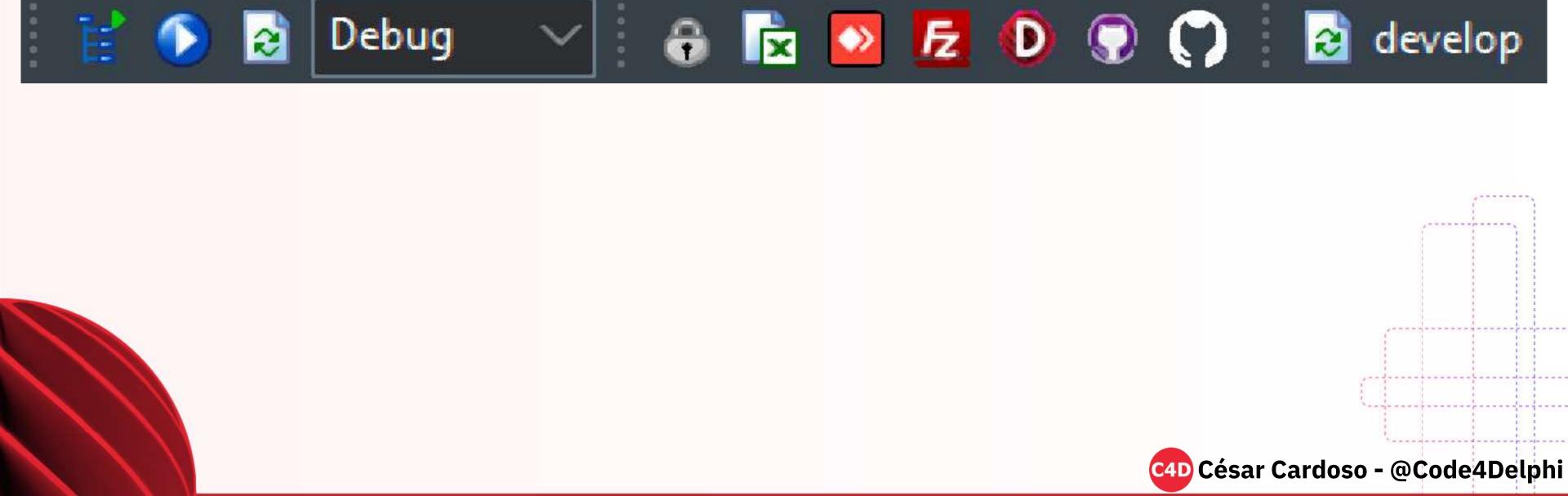




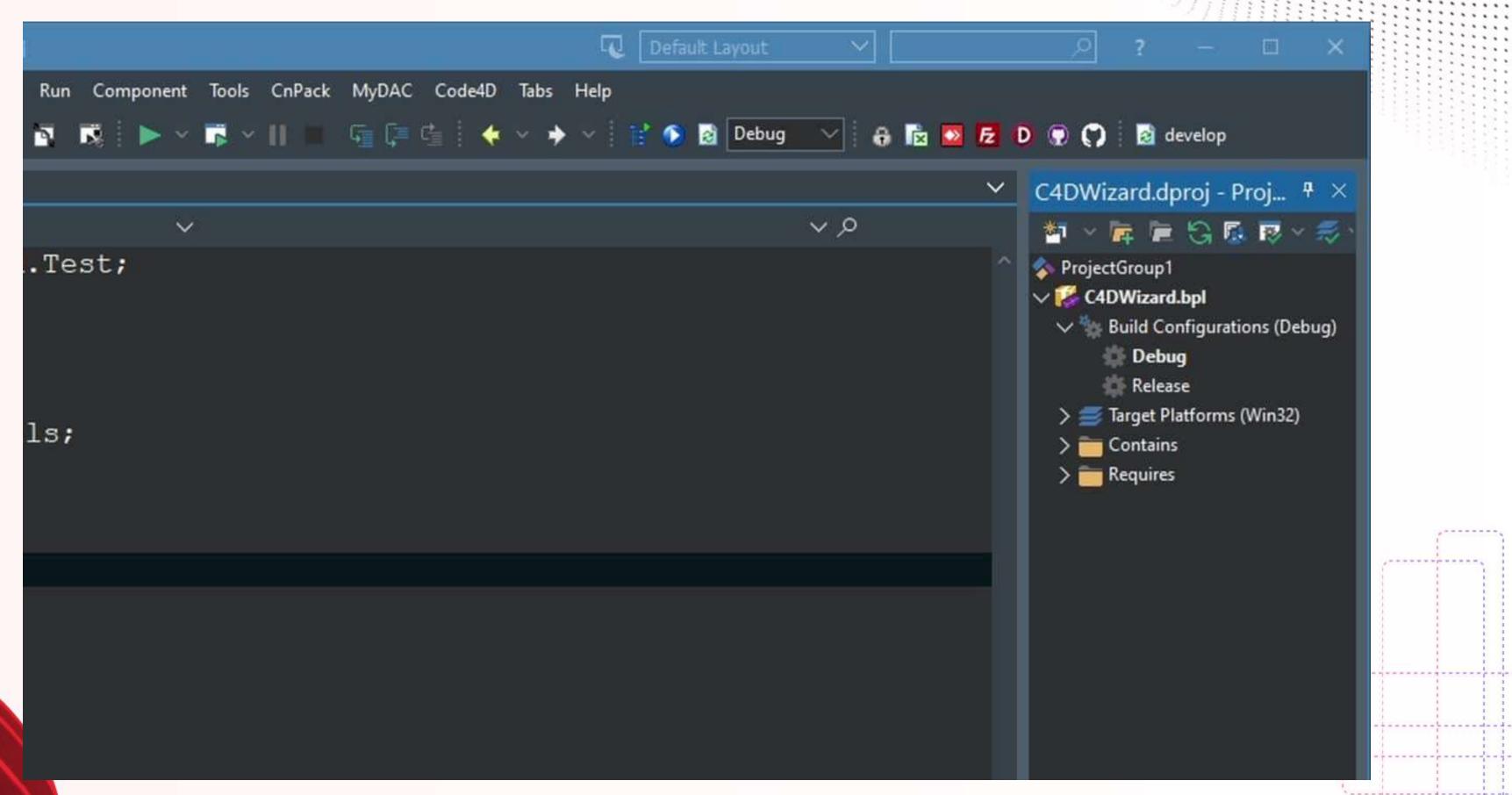




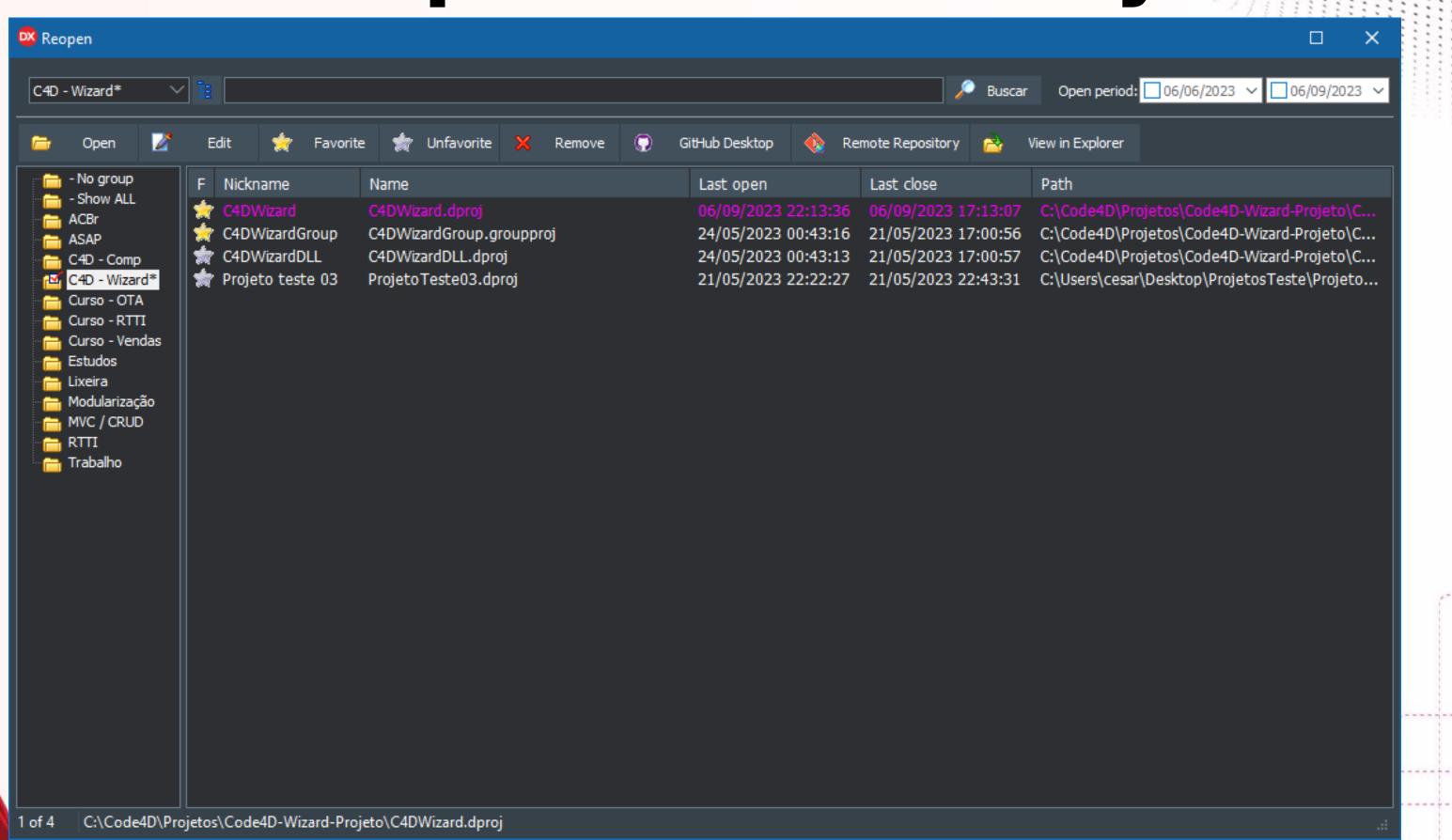
ToolBars



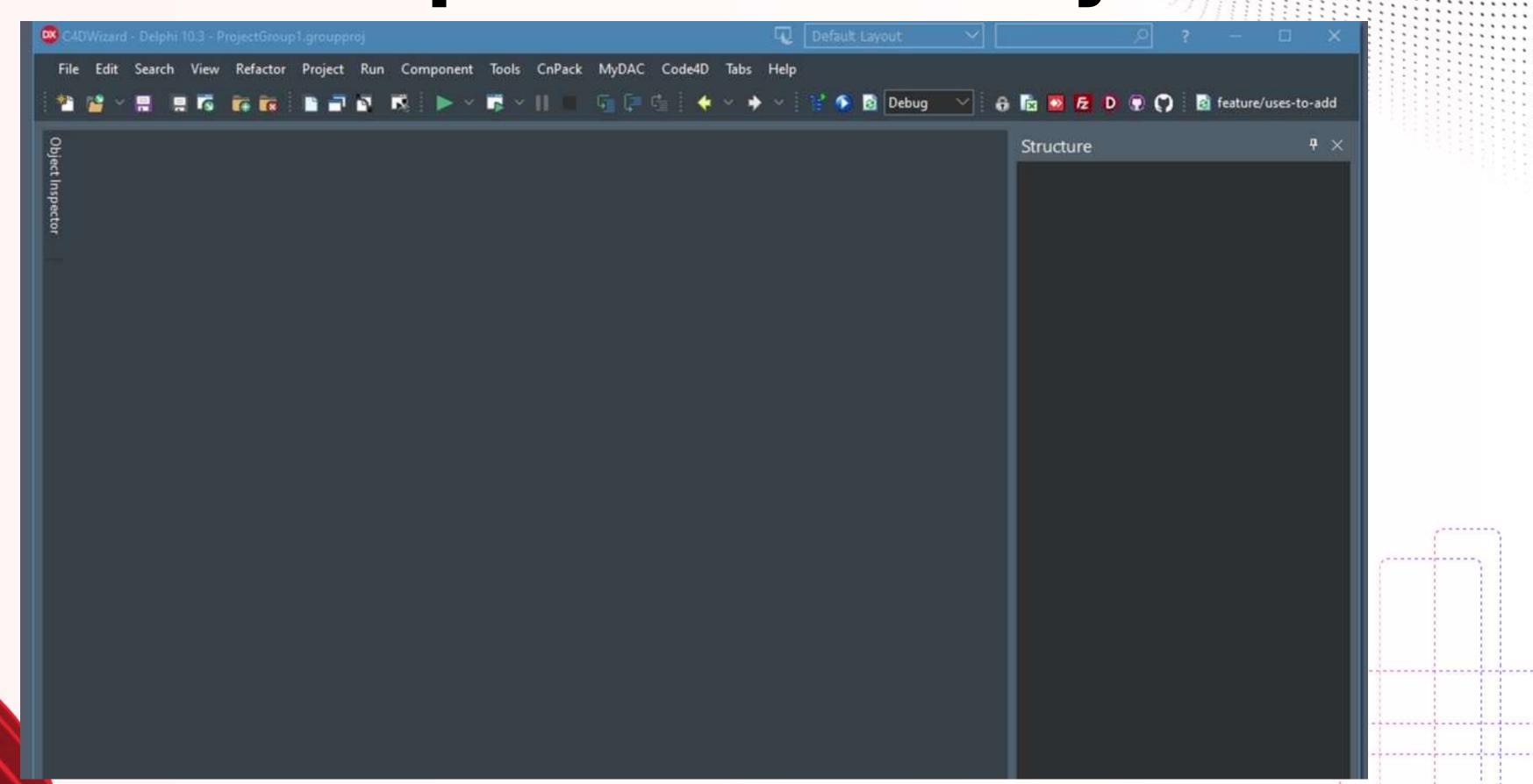
ToolBars



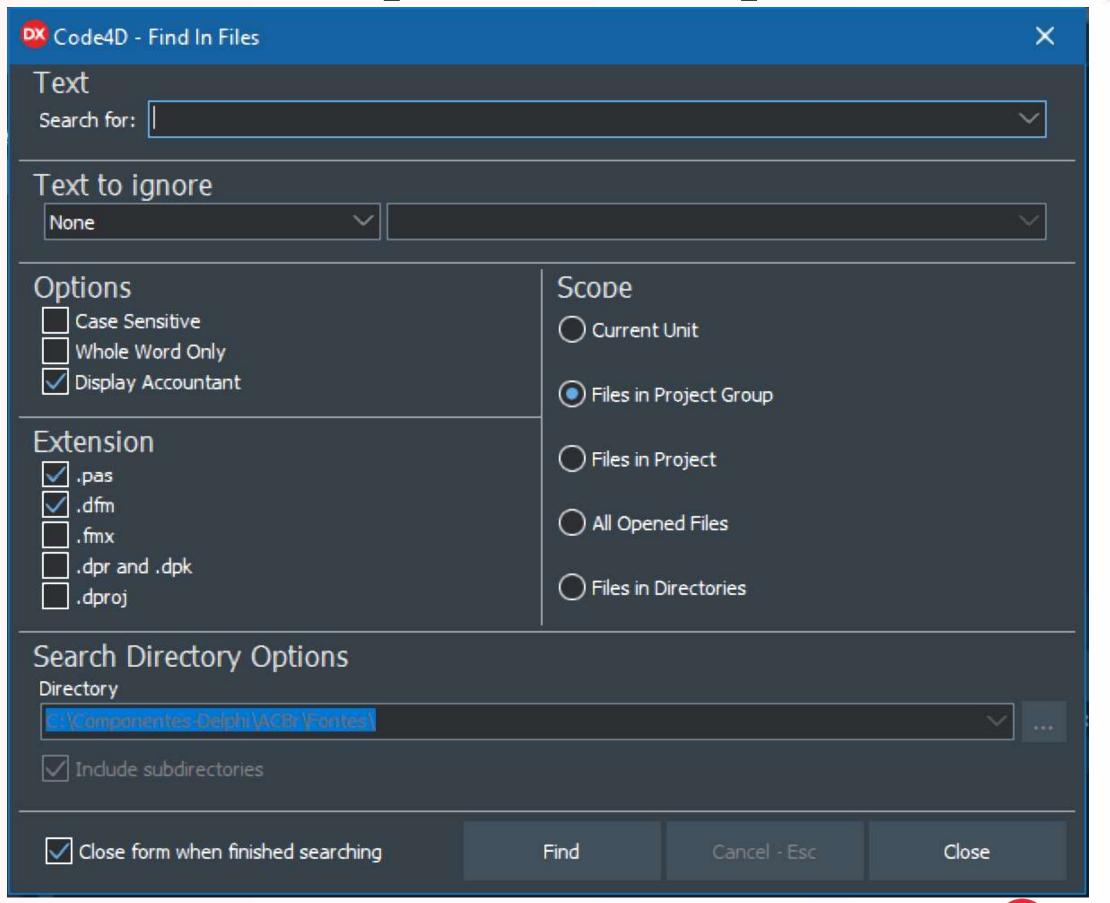
Reopen File History



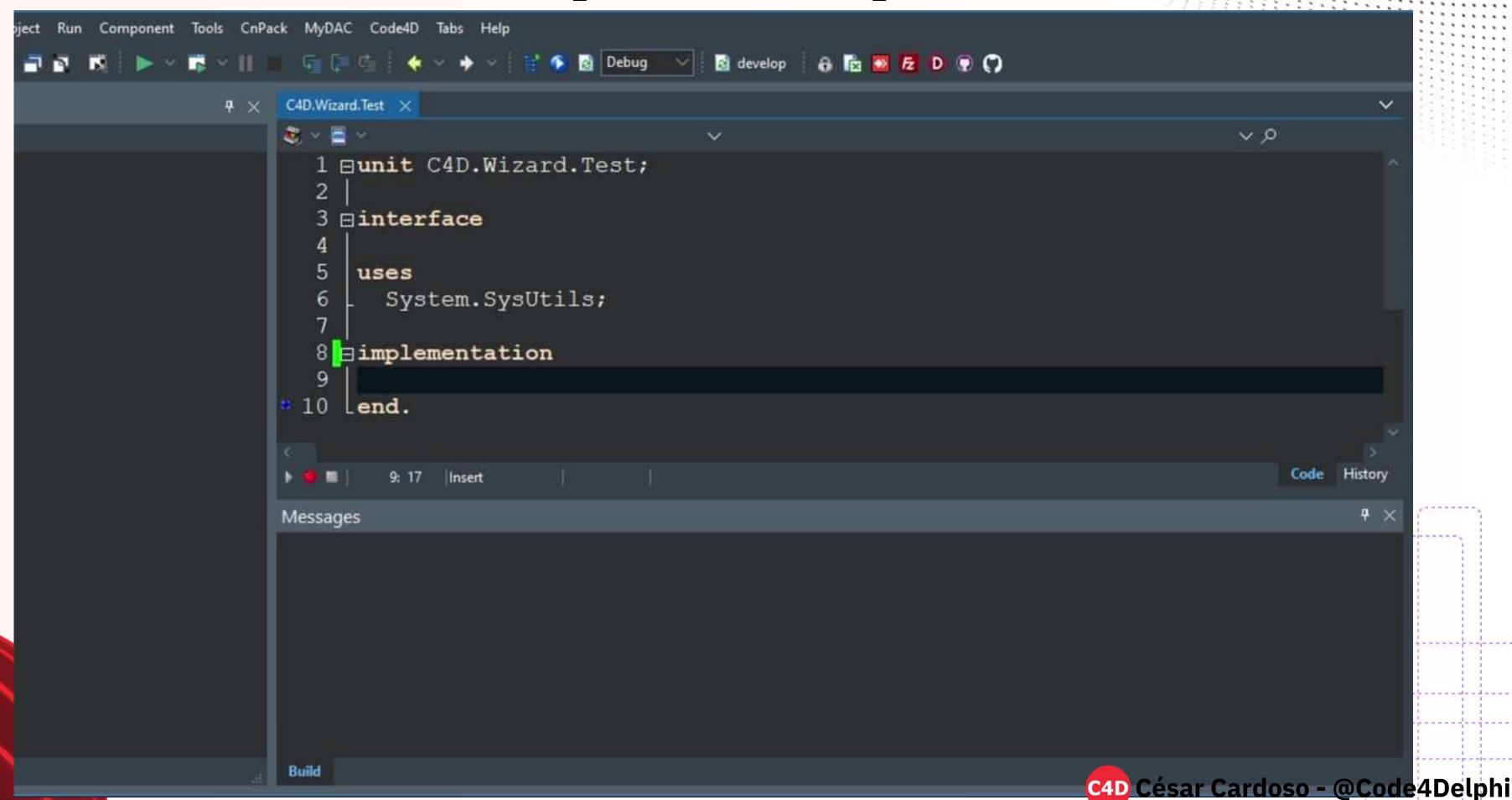
Reopen File History



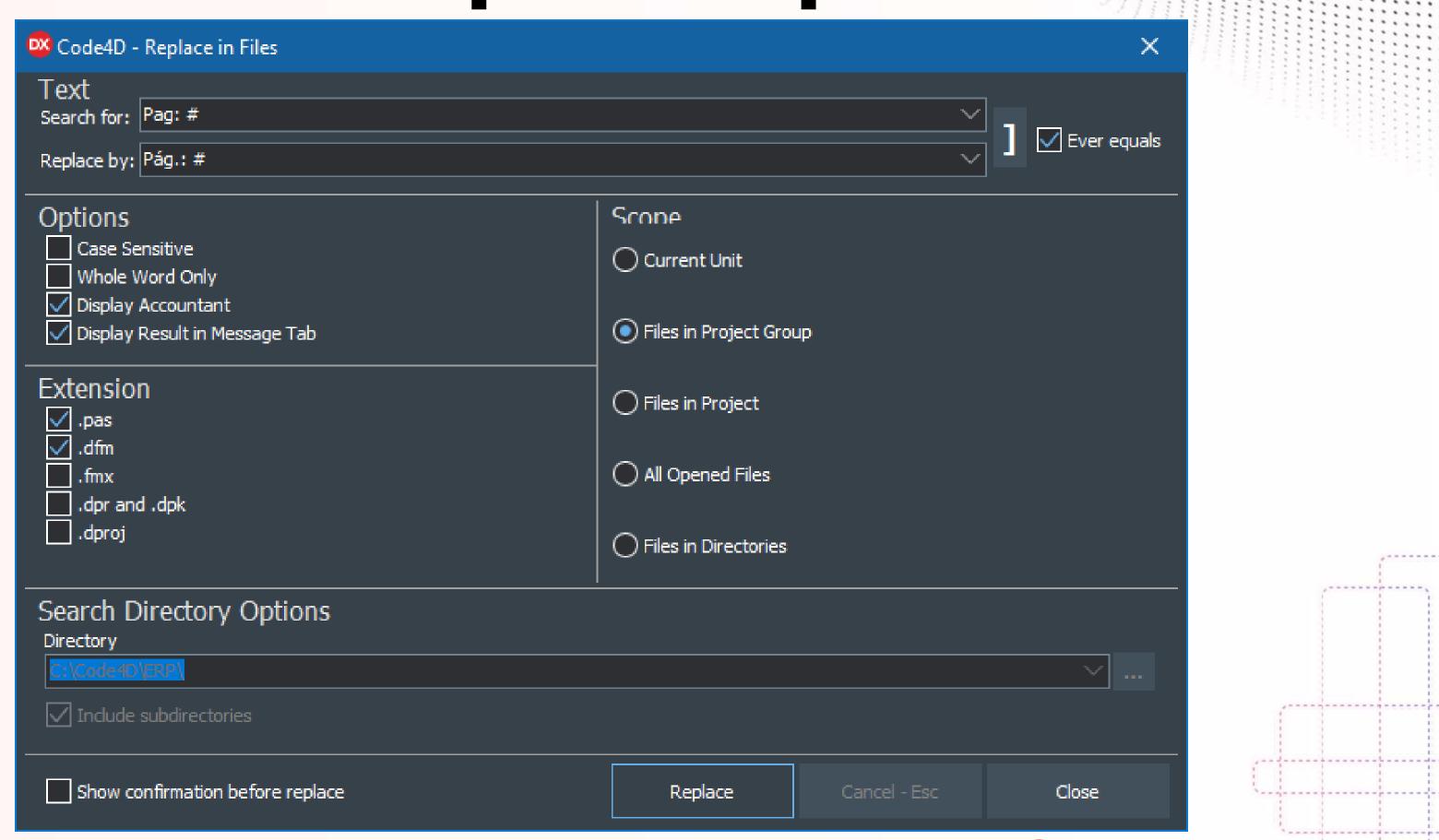
Buscas em arquivos .pas .dfm .fmx



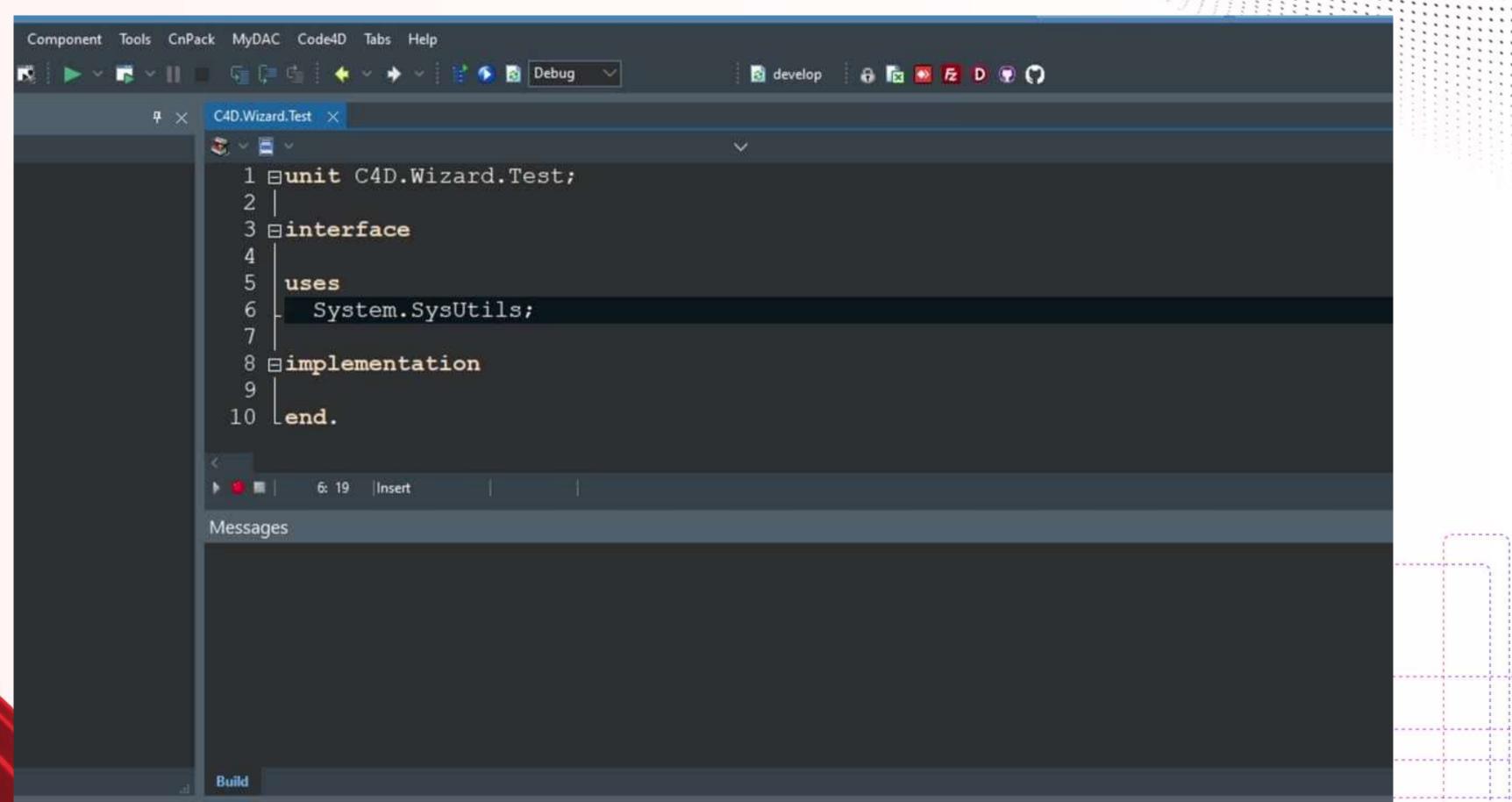
Buscas em arquivos .pas .dfm .fmx



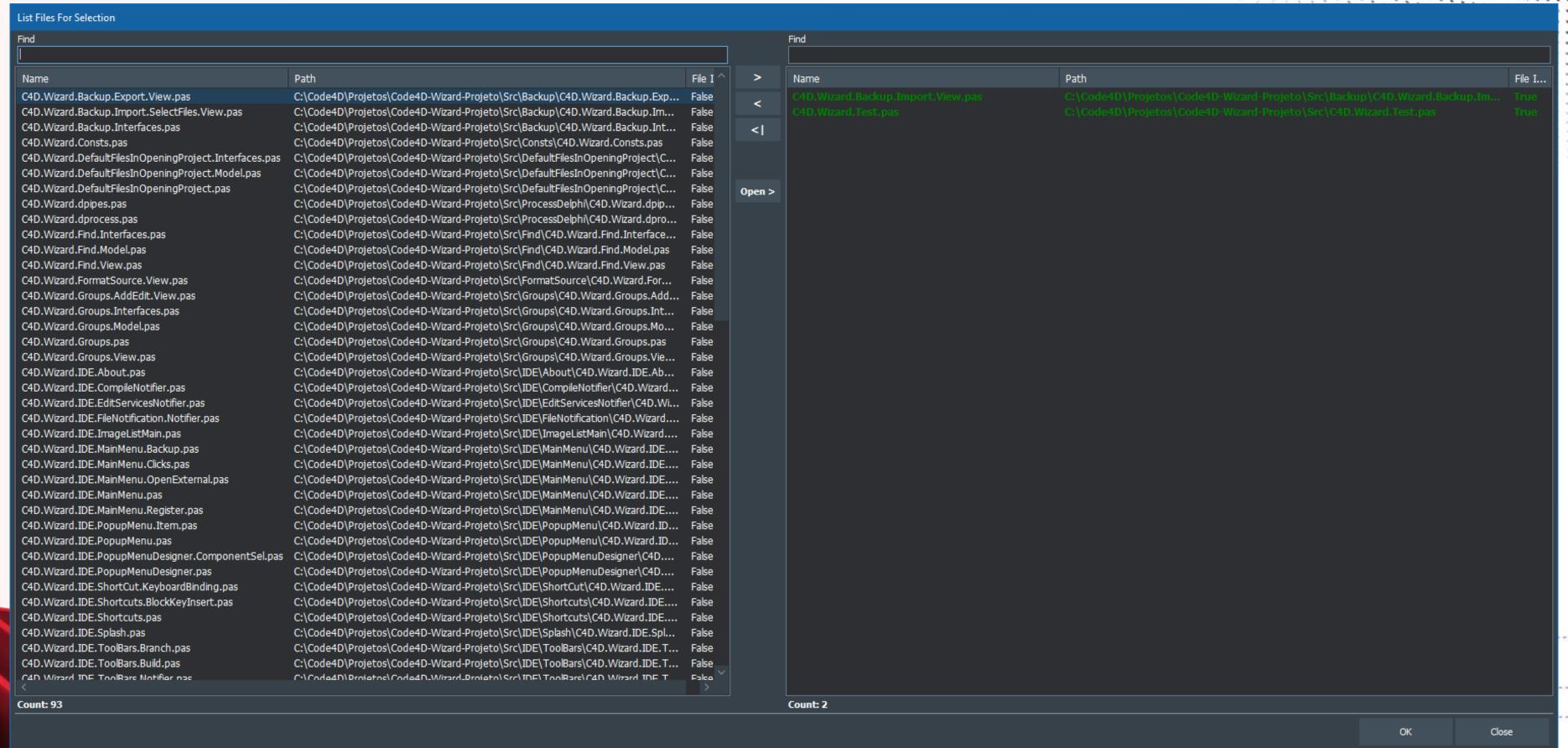
Replace em arquivos .pas .dfm .fmx



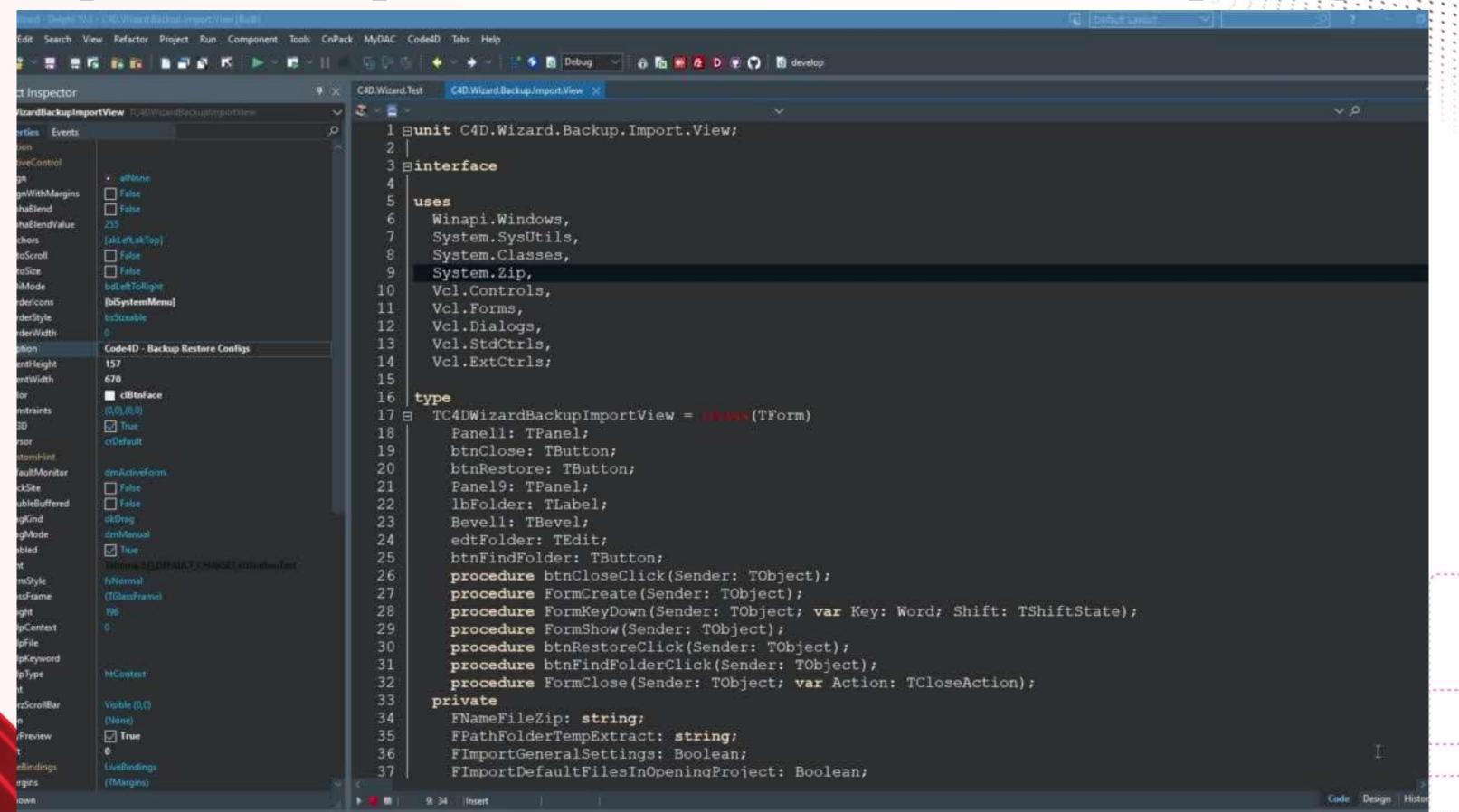
Replace em arquivos .pas .dfm .fmx



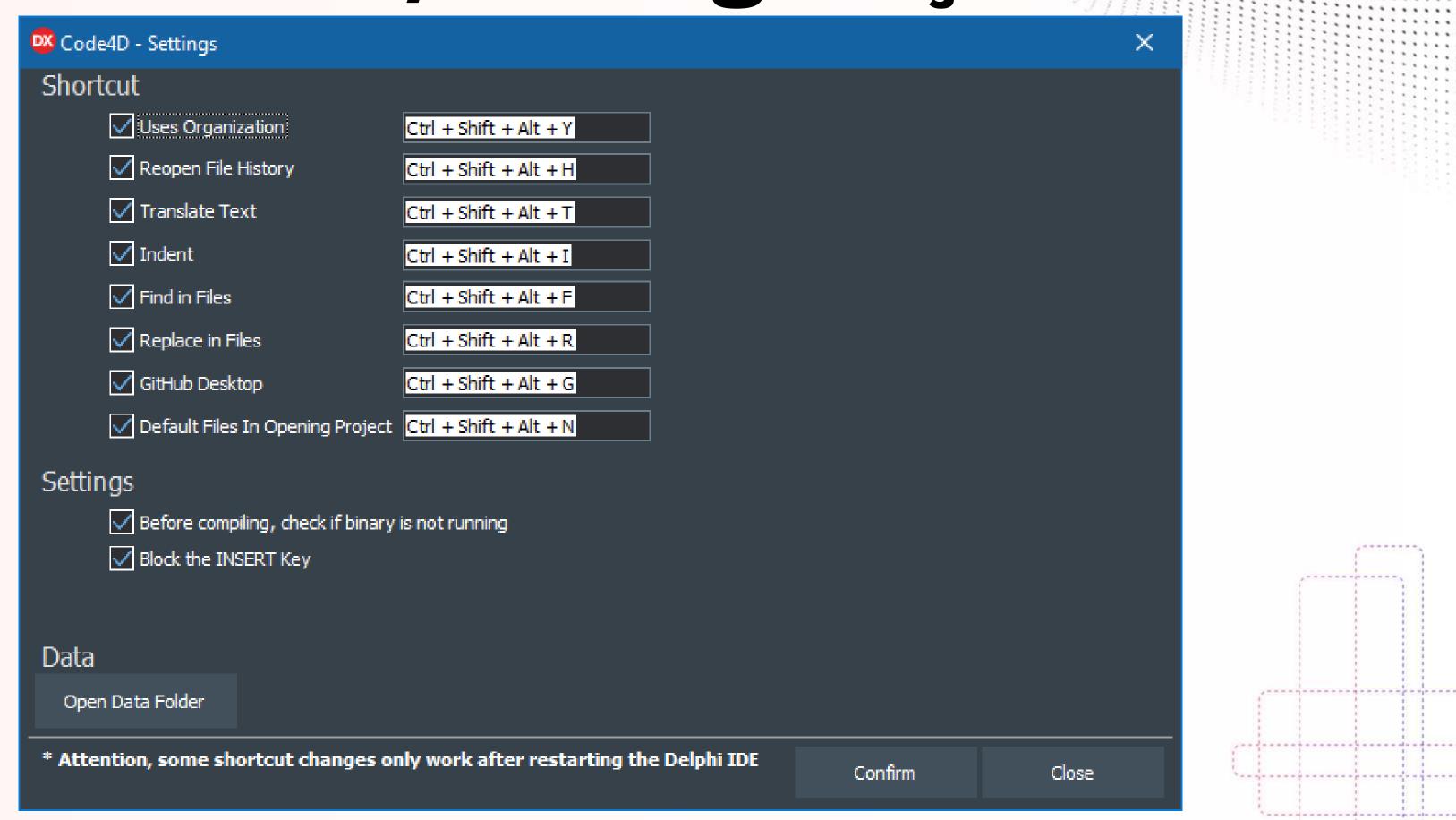
Arquivos padrões abertura projeto



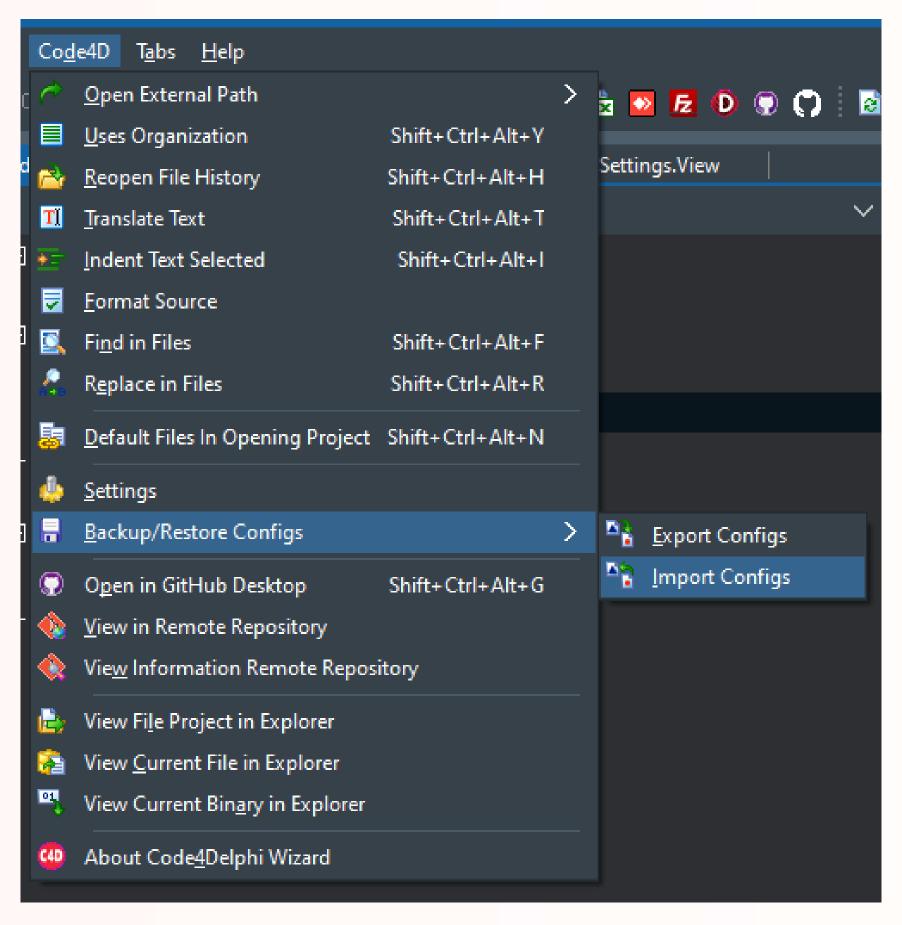
Arquivos padrões abertura projeto



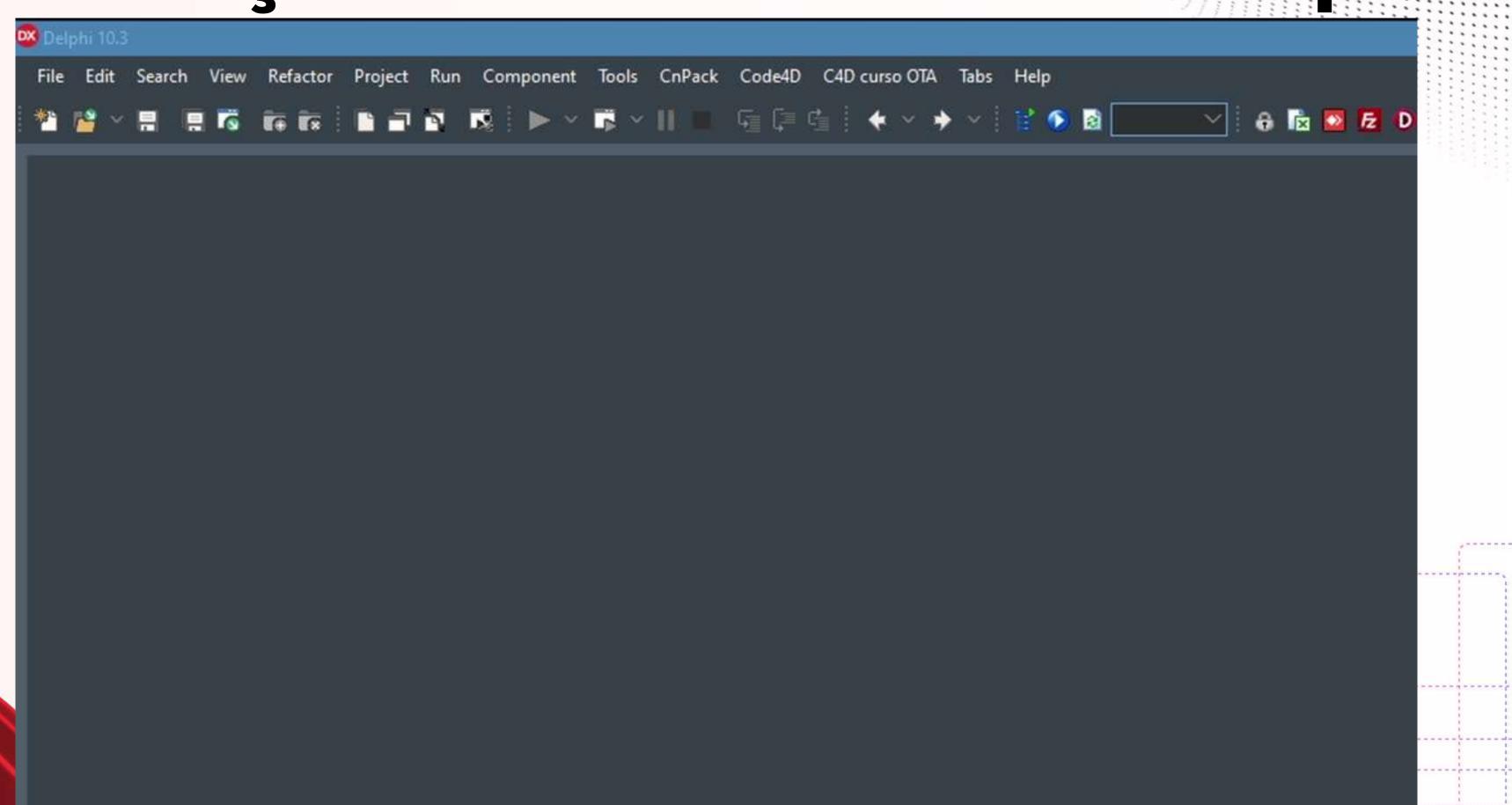
Atalhos / Configurações



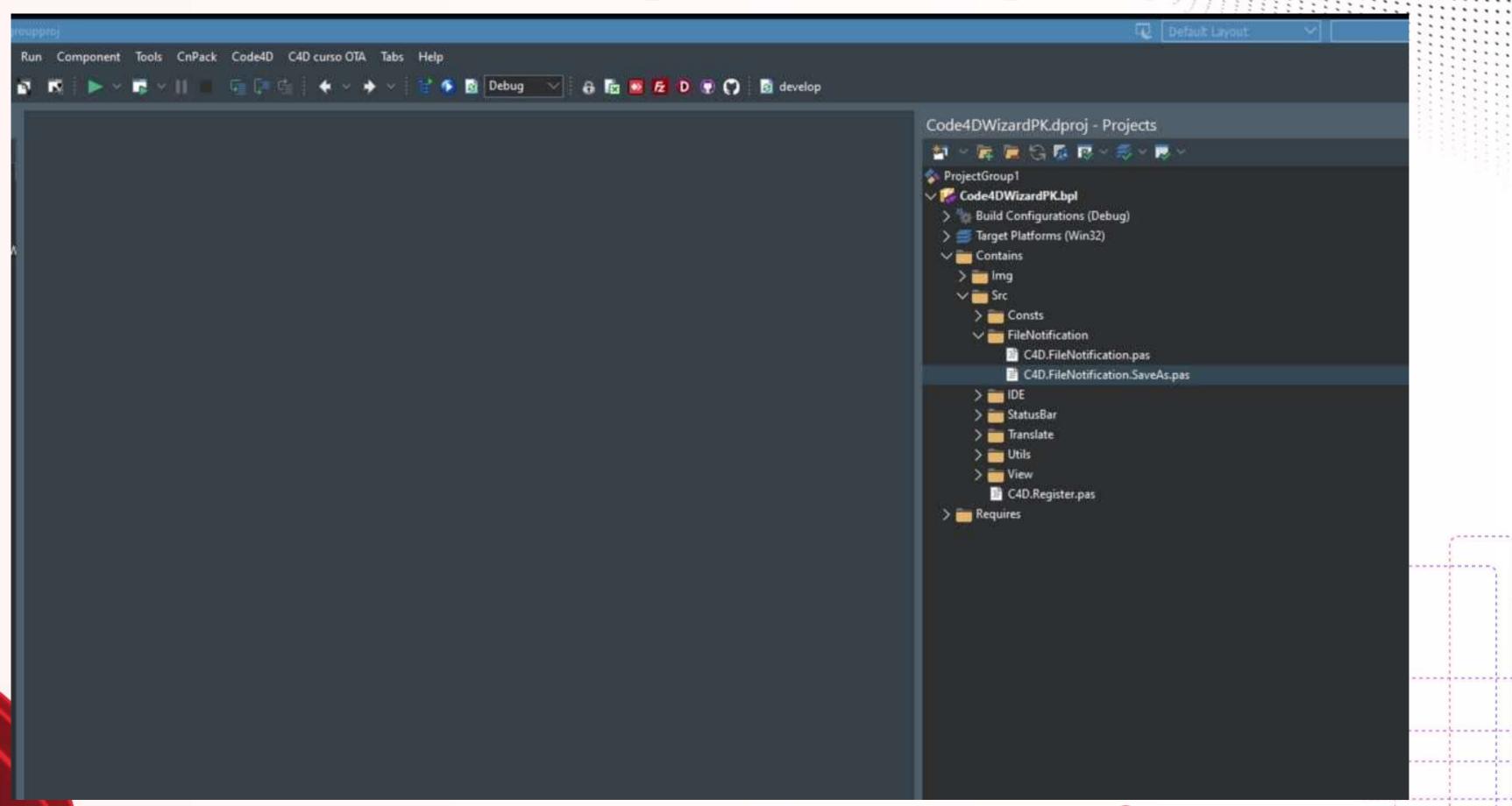
Outros recursos do MainMenu



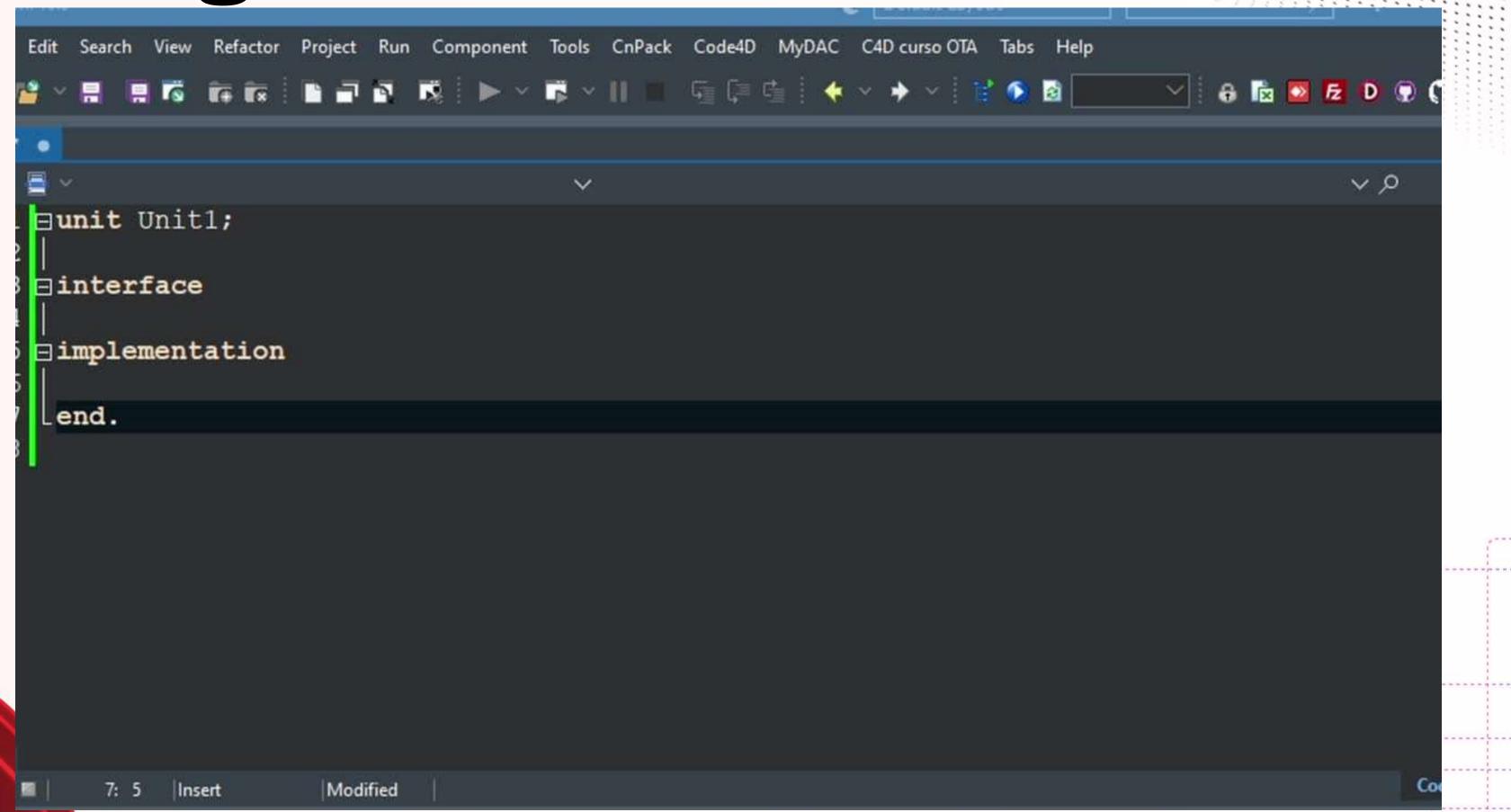
Tradução do MainMenu do Delphi



Senha em arquivos e projetos



Interagindo com a StatusBar da IDE



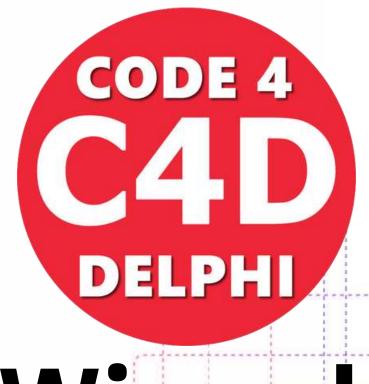
Usando a OTA

- Estatística de produtividade
- Contabilizar quantidade de horas programadas
- Qual método esta dando mais manutenção
- Qual a unit mais acessada
- Verificação/criação de teste unitário automatizados
- Indentação automática dos projetos

- Tenha a acesso ao código fonte do Code4D-Wizard
- Tenha acesso ao treinamento mais completo sobre OTA (Open Tools API) do mercado
- Utilize o cupom #ECON2023 e tenha 20% de desconto

<u>Acessar Treinamento e Código Fonte</u>





Code4D-Wizard



{ Programador Delphi desde 2009. Criador de conteúdo no canal @code4delphi no YouTube e no Instagram



Embarcadero conference 2023

- (*) github.com/Code4Delphi

 voutube.com/@Code4Delphi
- O Code4Delphi
- @contato@code4delphi.com.br

O que você achou da palestra?

Acesse o link do QR Code ao lado e responda a pesquisa.

- > Trilha: Cases & Updates & Security
- > Palestra: 16h30 | Code4D-Wizard e OTA...

