Agenda

- Einführung und Überblick über tB, Versionen, Kosten

- Neuerungen und Erweiterungen gegenüber VB6 und VBA

- Kurze Demo echter VB6 Projekte mit tB

- twinBASIC + Access
  - Teil 1: Add-Ins Access
  - Teil 2: Berichts-Feature
  - Teil 3: Add-Ins IDE-VBA
  - Teil 4: **tBA** - **t**win**B**ASIC for **A**pplications (experimentell)

Überblick über twinBASIC

- twinBASIC Projekt
  - Entwickelt von Wayne Phillips
  - Bekannt für vbWatchdog und andere Produkte

- Details zur Präsentation
  - Präsentiert von **Juanjo Luna**
    - Homepage: **luna-soft.es**
    - **Youtube: www.youtube.com/accessototal**
    - MVP Microsoft Apps & Services
      - Access
      - Excel
    - LinkedIn Learning Instructor
    - EventoDeDatos.com

Evento de Datos

Evento de Datos

Evento de Datos

Evento de Datos

Evento de Datos

Was ist **twinBASIC?**

✓ Einfach zu bedienen, in wenigen Minuten loslegen!

✓ Nahtlose VB6-Kompatibilität

✓ Native 32-Bit- und 64-Bit-Kompilierung

✓ Volle Unicode-Unterstützung

✓ Moderne, leichtgewichtige IDE

- Code-Faltung
- Inline-Code-Hinweise
- Syntax-Hervorhebung
- Projektfehler und Diagnose in Echtzeit
- IDE-Themes (dunkel und hell)

✓ Monaco-basierter Code-Editor

✓ Integrierter Debugger

✓ Neue integrierte Steuerelemente
- WebView2
- QRCode

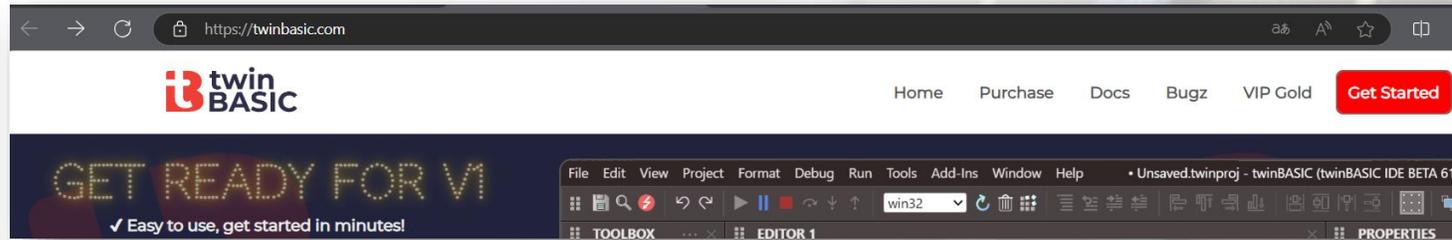✓ Eingebauter Paketserver

Fortschritt-Update

- Bessere Stabilität
- Verbesserungen in der IDE
- Verbesserungen in ActiveX-Steuerelementen
- Bessere Dokumentation
- Umfassendere Leitfäden
- Verbesserte Benutzerhandbücher

- Verbesserungen des twinPACK-Pakets
- Erweiterte Funktionen
- Fehlerbehebungen
- Community-Projekte
- WinDevLib von fafalone
- Vorläufiges Veröffentlichungsdatum von V1 (31.Dez 2024)

Erweiterte VB6-Syntax

- Bit-Shift-Operatoren
- Definition von Interface-Definitionen im Code
- Klasseninstanz AddressOf
- Unterstützung bei der Vererbung
- [Inline Variablen-Initialisierung](#)
- [Überladen von Prozeduren](#)
- Multithreading-Syntax (in Kürze verfügbar)
- Unterstützung für neue Projekttypen, wie z.B. Standard-DLL

- Control Anchoring und Docking - Automat. Größen und Positionierung

Community	Professional	Ultimate
FREE	EUR €29 /Monat* (46 €)	EUR €45 /Monat* (70 €)
Create 32/64-bit EXE/DLLs	Alle Comunity-Funktionen plus:	Alle Professional-Funktionen plus:
Begrüßungsbildschirm für 64-Bit	Kein Begrüßungsbildschirm bei 64-Bit-EXE/DLL	Privater Produktsupport per E-Mail
Nur Windows (nicht optimierte Kompilierung)	Optimierte Kompilierung (immer noch nur Windows)	Plattformübergreifende Unterstützung (Linux/Mac/Android)

luna-soft

twin BASIC

* 35 % Rabatt

Demo VB6

✓ fafalone
- ● Lemmings
- ● photoDemon

✓ winDev: package
(https://github.com/fafalone/WinDevLib/issues/9#issuecomment-1416767019)

```vba
Sub OnConnection(ByVal Application As Object, _
                 ByVal ConnectMode As ext_ConnectMode, _
                 ByVal AddInInst As Object, _
                 ByRef custom As Variant()) _
    Implements IDTExtensibility2.OnConnection


    'MsgBox "MyCOMAddin.OnConnection"
    Set applicationObject = Application
End Sub
```

```vba
Public Function listTables() As Variant
    Dim obj As Object, dbs As Object, strResult As String
    Set dbs = applicationObject.CurrentData

    For Each obj In dbs.AllTables
        If Not Left(obj.Name, 4) = "MSys" Then
            strResult &= "                 <item id=""" & "it_tbl_" & obj.Name & """ label=""" & obj.Name & """/>" & vbCrLf
        End If
    Next obj


    Return Nz(strResult, "")
End Function
```

✓ Teil 3: Add-Ins IDE-VBA
● Auto Intellisense

```
Implements IDTExtensibility2

Private vbe As VBIDE.VBE
Private addin As VBIDE.AddIn
Private addinWindow As VBIDE.Window
Private myToolWindow As myToolWindow
Private myToolbarButton As Object
Private WithEvents myToolbarButtonEvents As VBIDE.CommandBarEvents
Private menu As Object
Private WithEvents menuItem1Events As VBIDE.CommandBarEvents
Private isConnected As Boolean


Private myAccess As Object


Sub OnConnection(ByVal Application As Object, _
                 ByVal ConnectMode As ext_ConnectMode, _
                 ByVal AddInInst As Object, _
                 ByRef custom As Variant()) _
                 Implements IDTExtensibility2.OnConnection
    Set vbe = Application
    Set addin = AddInInst
    isConnected = True

    CreateToolWindow()
    CreateToolBar()
    CreateVBEMenu()
    LoadSettings()
End Sub
```

Luna-Soft Intellisense AddOn

Active Project: NW2-Dev

💡 **Intellisense**

```
SELECT TaxStatus.TaxStatusID, TaxStatus.Ta
FROM TaxStatus
ORDER BY TaxStatus.TaxStatusID;
```

Sql einfügen

		TaxStatusID
Tabelle		TaxStatus
Abfrage	qrycboTaxStatus	
Forms		
Berichte		
Funkt.	RemoveFromMRU	

Properties - modGlobal

Imme

Fazit

Ist twinBASIC etwas für mich?

- Personalisieren ACCESS
- Custom Controls
- DLL (Dein Code ist nicht einsehbar)
- Android – Mac -Linux

Dok.

- Fragen?
- Links und Ressourcen.

```twinbasic
149
150    Private Function GetLabelOfFilteredObjects(objectsGroup As Object, Index As Long) As String
151            Dim obj As Object
152            Dim countOfResults As Long
153
154            For Each obj In objectsGroup
155                If Not Left(obj.Name, 4) = "MSys" Then        ' same filter as used in GetCountOfFil
156                    If countOfResults = Index Then
157                        Return obj.Name
158                    End If    ← countOfResults = Index
159                    countOfResults += 1
160                End If    ← Not Left(obj.Name, 4) = "MSys"
161            Next obj    ← obj In objectsGroup
162
163            Return "{Unknown}"
164    End Function    ← GetLabelOfFilteredObjects
165
166    Public Function GetTablesCount(control As IRibbonControl) As Long
```

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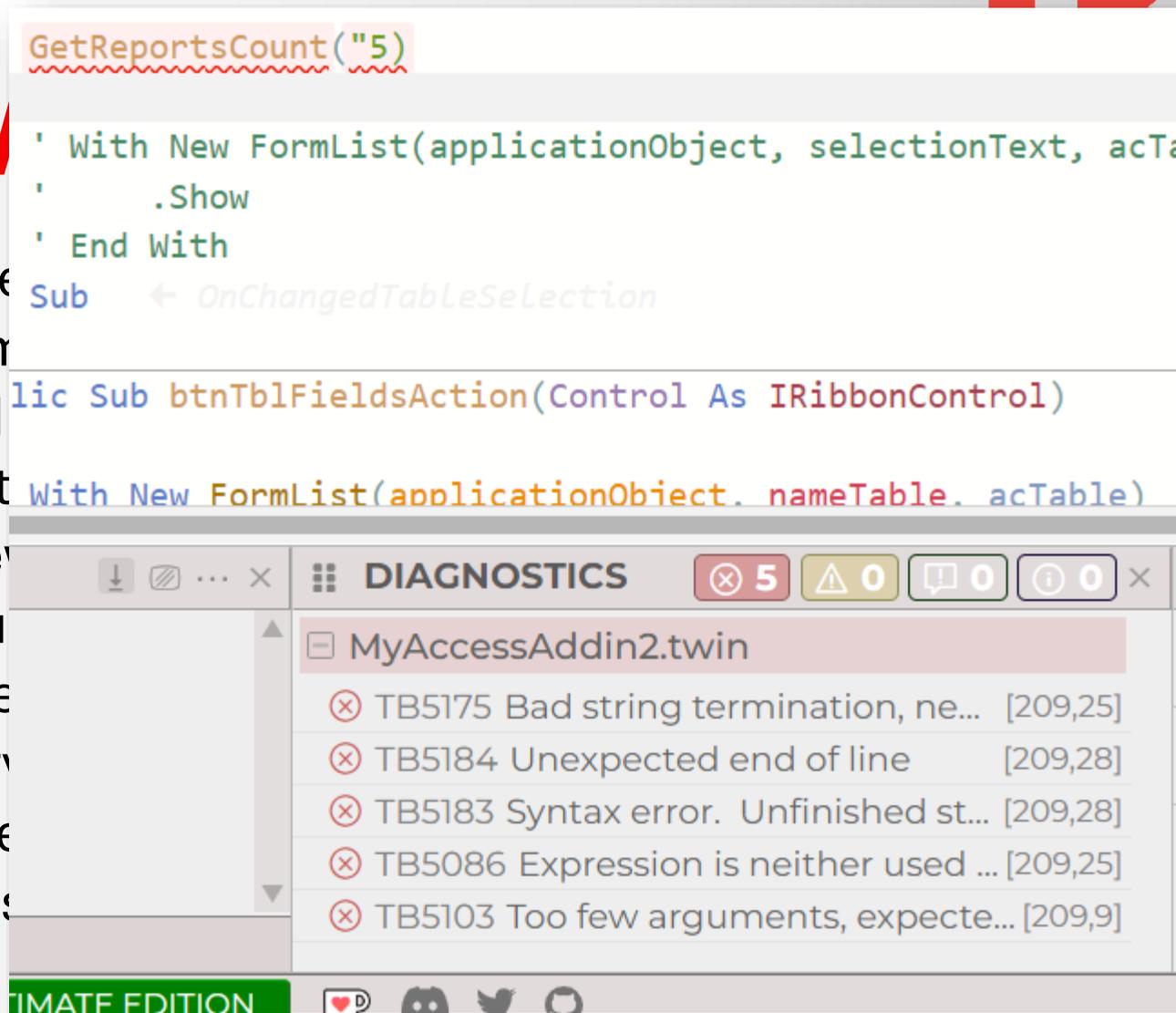
twinBASIC

Was ist twin...

...co-basierter Code-Editor
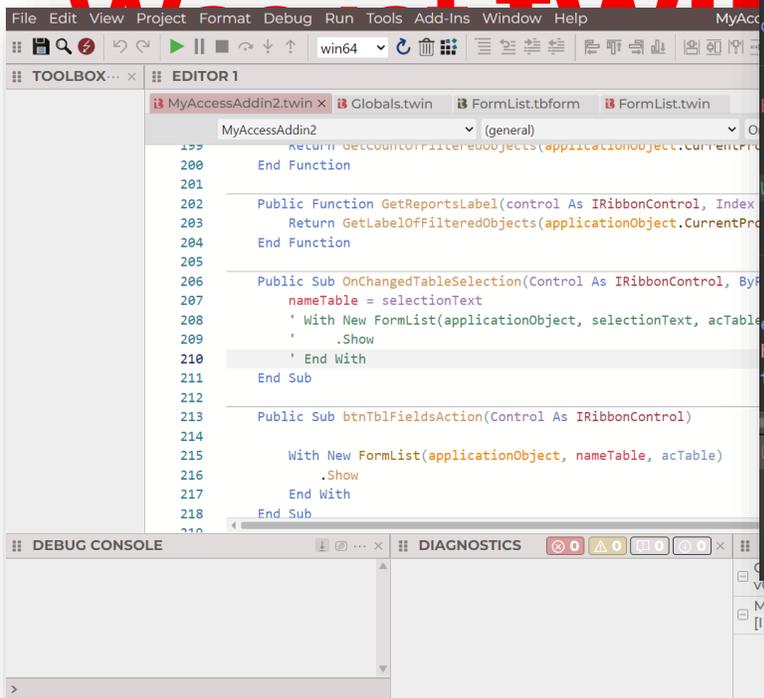
- Syntax-Hervorhebung
- Projektfehler und Diagnose in ...
- IDE-Themes (dunkel und hell)

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twinBASIC IDE Options

Tab Size	4
IDE Font Size	16px
IDE Font	Montserrat
Code Editor Font Size	16px
Code Editor Font	Montserrat Bold
Colour Theme	dark
Show Code Editor Combo Selectors	above
Monaco: Render Whitespace	none
Monaco: Render Indent Guides	☐
Monaco: Show Minimap	☑
Monaco: Show Folding Controls	mouseover
Compiler: Start In 64-bit Mode	☑
Restore Editors State When Opening Project	☑
Focus The 'Recent' Tab On IDE Startup	☐

Change Licence...   Save Changes   Close

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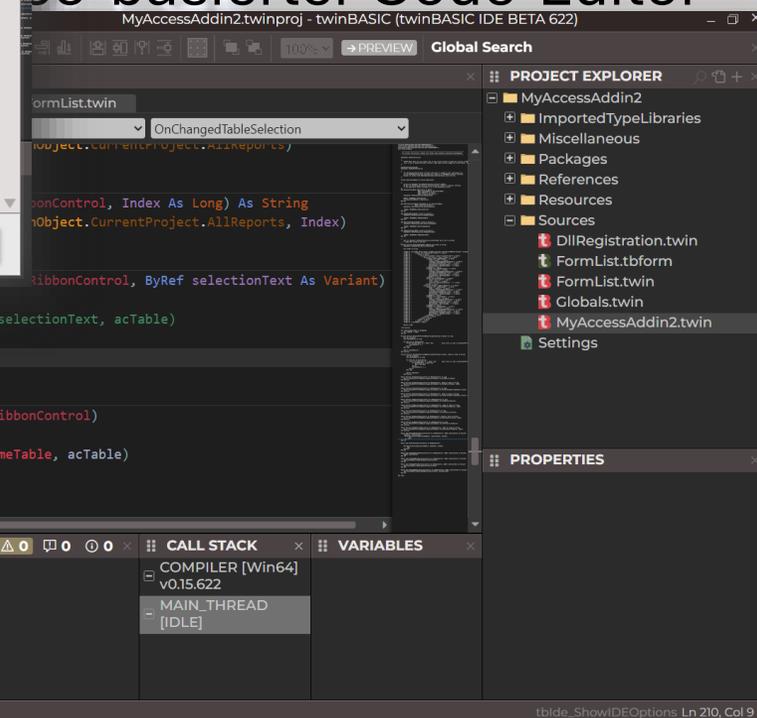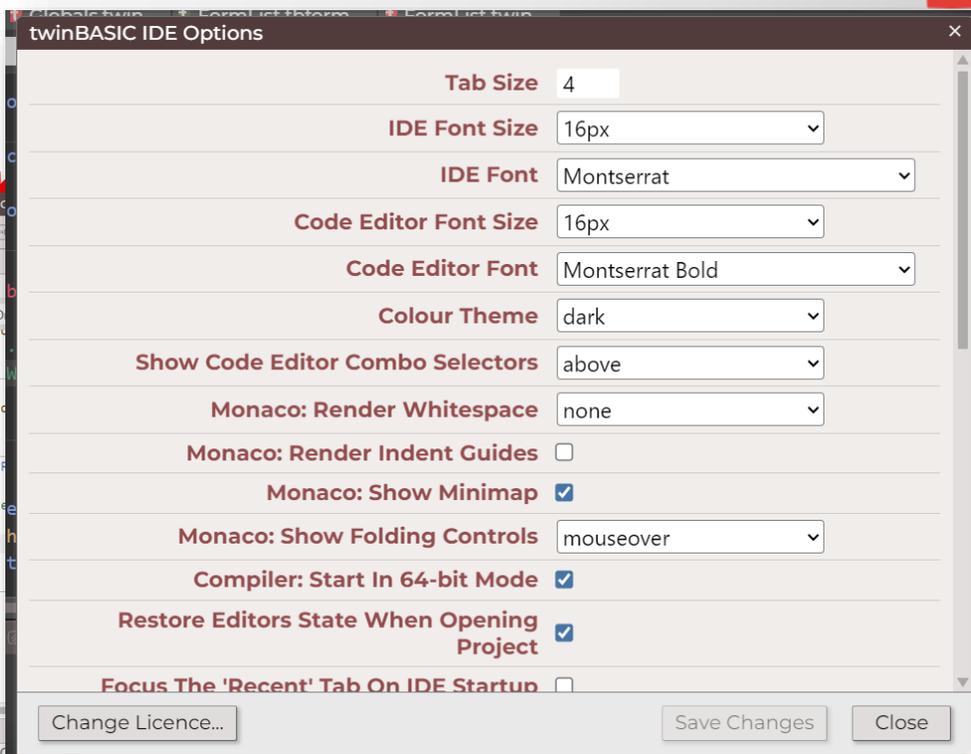 ● Inline-Code-Hinweise
 ● Syntax-Hervorhebung
 ● Projektfehler und Diagnos
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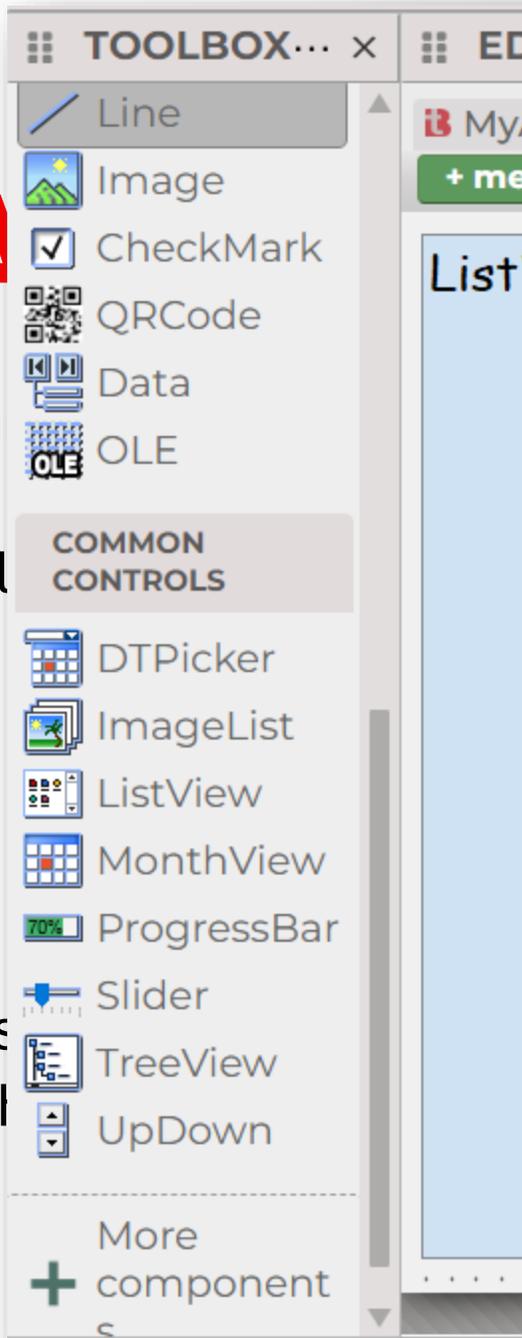
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twin BASIC

TOOLBOX··· ✕
- Line
- Image
- CheckMark
- QRCode
- Data
- OLE

COMMON CONTROLS
- DTPicker
- ImageList
- ListView
- MonthView
- ProgressBar
- Slider
- TreeView
- UpDown

More component s

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twin BASIC

Wa

✓ Einfa
✓ Naht
✓ Nativ
✓ Volle
✓ Mod

le-Editor

relemente

er

Library References

| Enabled Libraries | Available COM References | **Available Packages** |

🔍	Library Symbol	Versi...	Publisher	Path
☐ twinBASIC - App global class object	AppGlobalClassProject	1.0.0.0	[BUILT-IN]	
☑ twinBASIC - Common Controls Compatib...	WinNativeCommonC...	0.0.0.1	[BUILT-IN]	
☐ twinBASIC - CustomControls DESIGNER ...	CustomControls	0.0.0...	[BUILT-IN]	
☐ twinBASIC - CustomControls Package	CustomControlsPack...	0.0.0.5	[BUILT-IN]	
☐ twinBASIC - IDE Extensibility Package	tbIDE	0.0.0.1	[BUILT-IN]	
☐ twinBASIC - Unit Testing Package	Assert	0.0.0...	[BUILT-IN]	
☑ twinBASIC - VB Compatibility Package (F...	VB	0.0.0...	[BUILT-IN]	
☐ twinBASIC - WebView2 Package	WebView2Package	0.0.0.3	[BUILT-IN]	
☐ twinBASIC - WindowsControls DESIGNER...	WindowsControls	0.0.0...	[BUILT-IN]	

Select references that will be used during compilation of this project

Import from file...

⚠ **TIP: LOGIN to see any PRIVATE packages you've made**

```vb
Private Function inline() As String


    Dim strName As String = "Juanjo"
    Return strName


End Function          ← inline


Private Function inline(strName As String) As String


    inline = "Hallo " & strName


End Function          ← inline


Private Function inline(strName As String, strVorstellung As String) As String


    ' strVorstellung = strVorstellung & " " & strName
    strVorstellung &= " " & strName
    Return strVorstellung


End Function          ← inline
```