COMBIVIS Studio HMI 4.0

Lesson 9

Visual Basic Scripts

You will learn in this lesson...
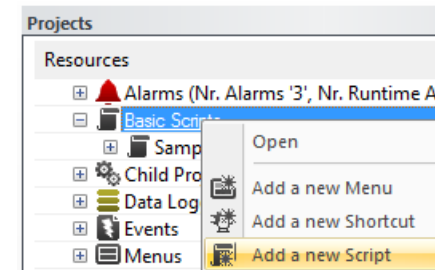
Goal:

- Create a:
    - Visual Basic Script

VB – scripts

- The language of the script based on „Visual basic for Application"

- Because of the limited debug-opportunities the programm should be small and clear

- A script <u>can</u> be repeated frequently (e.g. for special mathematic operations). Use the „DoEvents" For those loops to avoid freezing of the project

Projects
Resources
⊞ 🔺 Alarms (Nr. Alarms '3', Nr. Runtime Ala
⊟ 📋 Basic Scripts
  ⊞ 📋 Samp   Open
⊞ ⚙ Child Pro   Add a new Menu
⊞ 📊 Data Log   Add a new Shortcut
⊞ 🔔 Events
⊞ 📋 Menus   Add a new Script

```vb
Sub Main()

    Do
        '*****************************************************************
        'Inverterstate
        InverterStateSTRING = GetPlainText_ru00(InverterStateINT)
        '*****************************************************************
        DoEvents
    Loop Until False

End Sub


Function GetPlainText_ru00(value As Integer)As String

    Select Case value
        Case    0
            GetPlainText_ru00    = "no operation"
        Case    1
            GetPlainText_ru00    = "ERROR overpotential"
        Case    2
            GetPlainText_ru00    = "ERROR underpotential"
        Case    3
            GetPlainText_ru00    = "ERROR phase failure"
        Case    4
            GetPlainText_ru00    = "ERROR overcurrent"
        Case    6
            GetPlainText ru00    = "ERROR overheat internal"
```
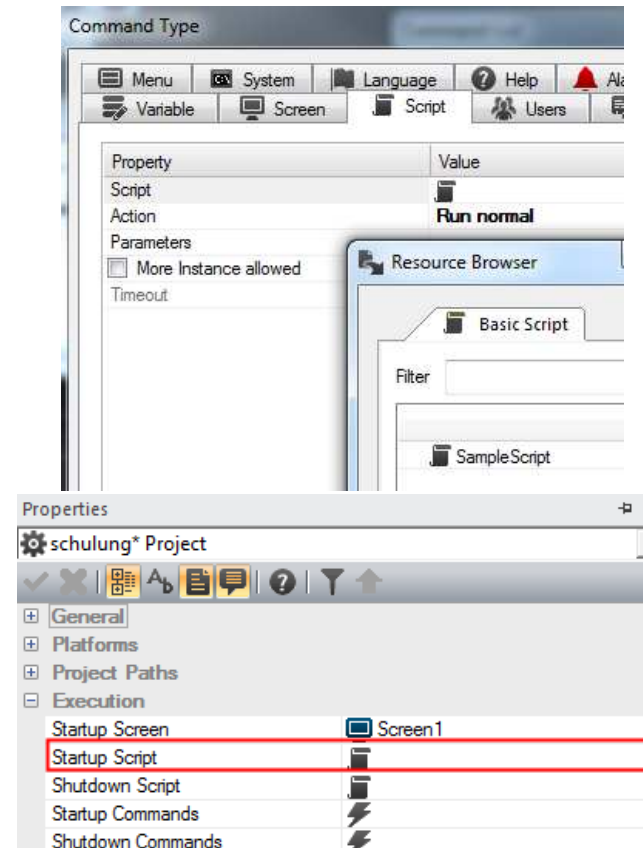
VB – scripts

- Scripts can be activated via buttons or events

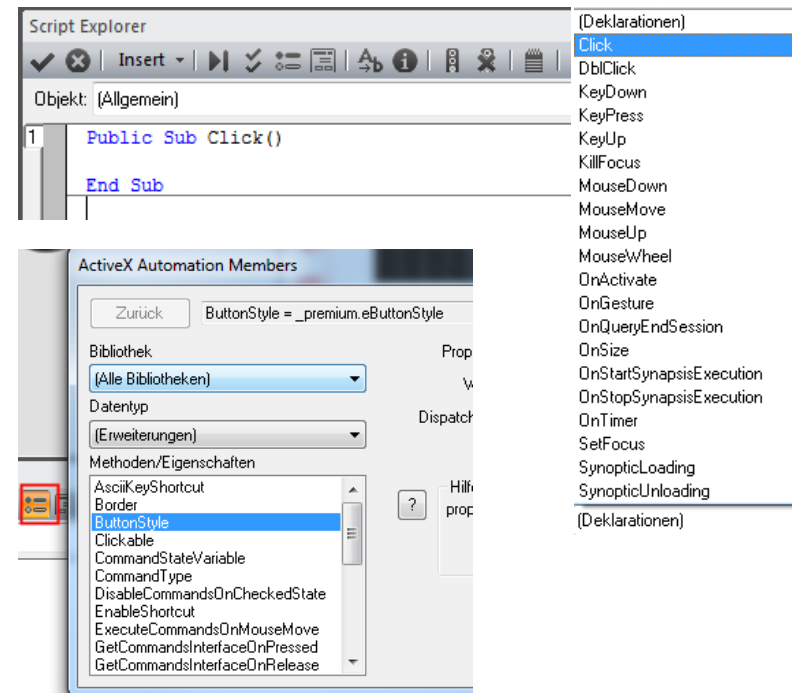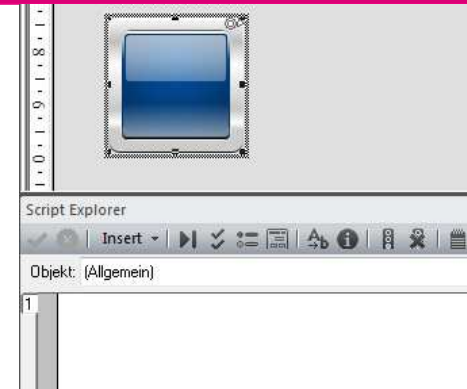- A script can be activated once, after the start of the project

VB – scripts

Also scripts can be embedded in objects:

- Select an object

- open "script explorer"

- Choose an event

- Open the VK library by clicking on „search"

Practice

1. Create a script in the button-object „Light On" („Screen1") which indicates the status „Light turned ON" if it´s turned on and „Light turned OFF" if it´s turned of via a message box.

Note: The command for a message box is: „MsgBox Message (, Type) (,Title)"

Message :Type String

Type (Optional) (see Help)

Title (Optional) (see Help)

2. Create a script („StartScript") which sets the value of „Counter" to 99 and the language to „English" at every start of the project.

Note: The methode of setting the language can be found on „CommandLanguageCmdTarget".

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