



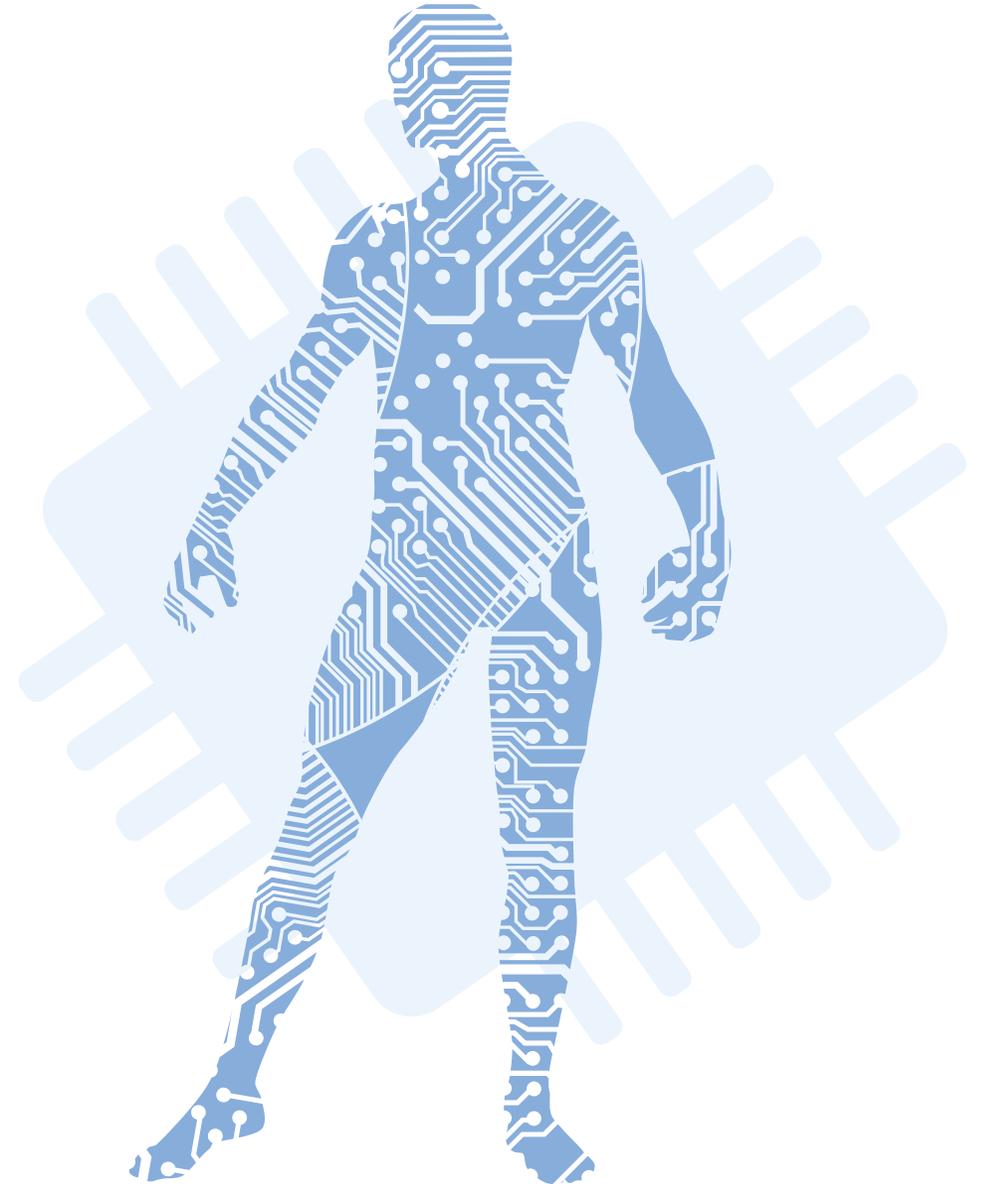
VbaRobot®

VbaRobotProcessMaster

part of myCheapBots.com

Agenda

- 1** File function
- 2** Front page
- 3** Input/Status/Output data
- 4** Setting tabs
- 5** Server Task Parameters
- 6** Local Task Parameters
- 7** Coding





1. File function

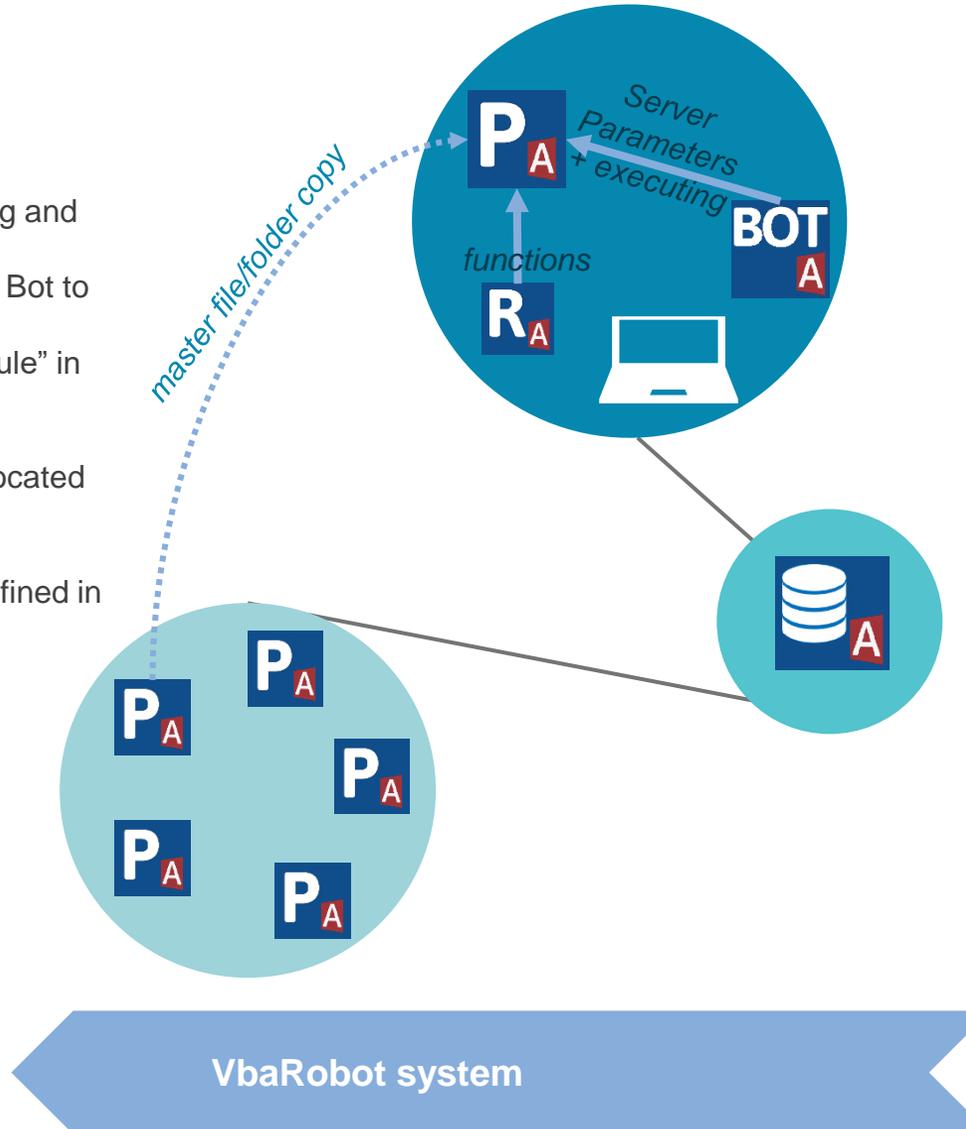
VbaRobotProcessMaster file: **P_A**

The file has 2 functions:

1. It is a developing tool for process designing and manual executing (1.PLAN + 2.DO)
2. It is a process master file that is copied by Bot to local temporary folder and executed with parameters defined in tab „Process schedule” in VbaRobotServer (3.CHECK + 4.ACT)

VbaRobotProcessMaster file uses functions located in linked VbaRobotReference file **R_A** .

All locations of master files and folders are defined in tab „Masters list” in VbaRobotServer.





2. Front page

File Home Create External Data Database Tools Help Tell me what you want to do

All Access Objects Search... Start

Master file name: Case1_ExcelPivotOutlook.accdb VbaRobotProcessMaster v.P01

3. Input/Status/Output data

1) Task details from Server:

Task ID: 0

Send e-mail -> To: []

Send e-mail -> Cc: []

2) Task details stored in this file and shared with server:

- at the beginning of the process:

Process Start Date: 2021-02-10 13:24:22

- while process is running:

Global Status: STARTED-IN-PROCESS

Process Actual Status: Loaded

Process Status: Loaded

Process Warning: []

Process Error: []

- at the end of process:

Process e-mail sent date: []

Process e-mail sent -> To: []

Process e-mail sent -> Cc: []

Process Finish Date: []

5. Server Task Parameters

Server Task Parameters received from VbaRobot Server:

Excel file full path: C:\VbaRobot\ExampleFiles\ExamplePivotChartObject.xlsx

Run in background: False

Sheet name: Sheet1

Range name / address: PivotTable1

Buttons: Edit descr. and prompts, Create Server TP string, Decode Server TP string

6. Local Task Parameters

Local Task Parameters - only in this file:

Buttons: Edit descr. and prompts, Create Local TP string, Decode Local TP string

Local Parameter 1	1
Local Parameter 2	2
Local Parameter 3	3
Local Parameter 4	4
Local Parameter 5	5
Local Parameter 6	6
Local Parameter 7	7
Local Parameter 8	8
Local Parameter 9	9
Local Parameter 10	10
Local Parameter 11	11
Local Parameter 12	12
Local Parameter 13	13
Local Parameter 14	14
Local Parameter 15	15
Local Parameter 16	16
Local Parameter 17	17
Local Parameter 18	18
Local Parameter 19	19
Local Parameter 20	20

7. Code

User_MainProcessProcedure

Execute manually

4. Setting tabs

References | API | Repl

Office Office library activated

Excel Excel library activated

Outlook Outlook library activated

Word

IE

SAP

Close *.exe



3. Input/Status/Output data

1) Task details from Server:

Mode:

Task ID:

Send e-mail -> To:

Send e-mail -> Cc:

2) Task details stored in this file and shared with server :

- at the beginning of the process:

Process Start Date:

- while process is running:

Global Status:

Process Actual Status:

Process Status:

Process Warning:

Process Error:

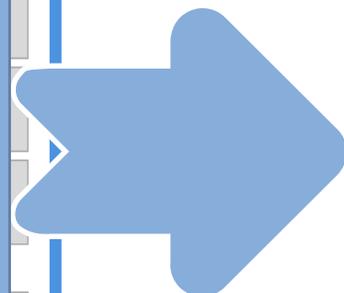
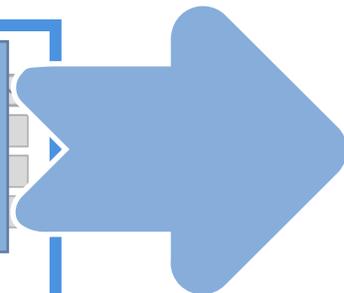
- at the end of process:

Process e-mail sent date:

Process e-mail sent -> To:

Process e-mail sent -> Cc:

Process Finish Date:



Executed manually	Executed by Bot
Manual	Auto
0	From „Current task” table ID
write manually	From „Current task” table EmailTo
write manually	From „Current task” table EmailCC

Executed manually	Executed by Bot
data stay in this file only	data is sent also to „Current task” table

Execute manually



Click this button to run your process manually in developing (Manual) mode. Master process file will be executed with „Server Task Parameters” stored in field „TASK_parameters” in table „tblComInput_Data”, the file will not close itself automatically.

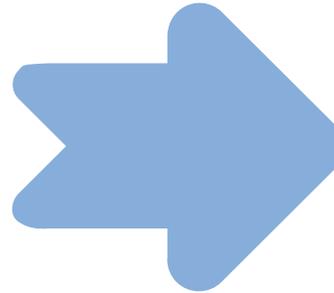


4. Setting tabs

References **API** Rec

References

Office Office library activated
 Excel Excel library activated
 Outlook Outlook library activated
 Word
 IE
 SAP
 Close *.exe



It helps you to add/remove references.

Tools Add-Ins Window Help

References - VbaRobotProcessMaster

Available References:

- Visual Basic For Applications
- Microsoft Access 16.0 Object Library
- OLE Automation
- Microsoft Office 16.0 Access database engine Objec
- Microsoft Excel 16.0 Object Library
- Microsoft Office 16.0 Object Library
- Microsoft Outlook 16.0 Object Library
- Rec
- Microsoft Word 16.0 Object Library
- AbapEditorScripting 1.0 Type Library
- AccessibilityCplAdmin 1.0 Type Library
- Acrobat Access 3.0 Type Library
- AcroBrokerLib
- Active DS Tvoe Library

Location: C:\VbaRobot\VbaRobotReference.accde
 Language: English/United States

References **API** Rec

API

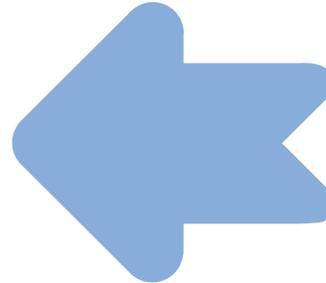
Get Children and Dialogs ID/handles for Windows with below text in Title

Only Windows Visible Only Windows with Title

Generate Excel table

Write part of window name

Get excel file



Write a part of Window name to get full excel matrix with ID/handlers to windows and Buttons.

References **API** Rec

Recording (Rec)

Record macro by an external provider and translate into VBA code.

You can use MacroToolWorks from: <http://www.pitrinec.com/download>

Capslock state before transl. False

Mouse speed (1-50) 10

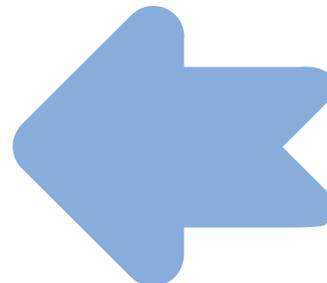
Mouse step sleep [ms] (0-50) 5

MacroToolWo Exp Translate to VBA code

Paste code from MacroToolWorks

Click „Translate“ button and get VBA code

Paste and translate Copy to Clipboard



Here you can translate recorderd MacroToolWorks code to VBA code.



5. Server Task Parameters

Copy these parameters string into „Process schedule” in VbaRobotServer

Define descriptions and prompts of all 20 fields

Server Task Parameters received from VbaRobot Server:

(# is delimiter in string, you can use # in field but can't use sequence !@#&)

C:\VBARobot\ExampleFiles\ExamplePivotChartObject.xlsx#False#Sheet1#PivotTable1#####

Excel file full path: C:\VBARobot\ExampleFiles\ExamplePivotChartObject\file full path

Run in background: False (True / False)

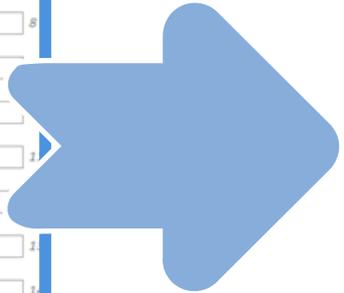
Sheet name: Sheet1 (name)

Range name / address: PivotTable1 (name / exp. A1:B10 , empty->UsedRange)

Buttons: Edit descr. and prompts, Create Server TP string, Decode Server TP string

Build one parameters string from all 20 fields

Decode parameters string to all 20 fields



Parameter	Value	Prompt
Excel file full path	C:\VBARobot\ExampleFiles\ExamplePivotChartObject\file full path	file full path
Run in background	False	True / False
Sheet name	Sheet1	name
Range name / address	PivotTable1	name / exp. A1:B10 , empty->UsedRange

20 fields for your parameters that you can use in code developing and defined in „Process schedule” in VbaRobotServer for each separate process that base on one master file.
**you can build more then 20*

Bot will write these parameters into copied process master file and execute it.

6. Local Task Parameters

These parameters string are saved locally in master file only.

Define descriptions and prompts of all 20 fields

Parameter	Value	Prompt
Local Parameter 1	1	Prompt1
Local Parameter 2	2	Prompt2
Local Parameter 3	3	Prompt3
Local Parameter 4	4	Prompt4
Local Parameter 5	5	Prompt5
Local Parameter 6	6	Prompt6
Local Parameter 7	7	Prompt7
Local Parameter 8	8	Prompt8
Local Parameter 9	9	Prompt9
Local Parameter 10	10	Prompt10
Local Parameter 11	11	Prompt11
Local Parameter 12	12	Prompt12
Local Parameter 13	13	Prompt13
Local Parameter 14	14	Prompt14
Local Parameter 15	15	Prompt15
Local Parameter 16	16	Prompt16
Local Parameter 17	17	Prompt17
Local Parameter 18	18	Prompt18
Local Parameter 19	19	Prompt19
Local Parameter 20	20	Prompt20

Local Task Parameters - only in this file:

(# is delimiter in string, you can use # in field but can't use sequence !@#&!)

1#2#3#4#5#6#7#8#9#10#11#12#13#14#15#16#17#18#19#20#

Edit descr. and prompts ▲ Create Local TP string Decode Local TP string ▼

Local Parameter 1	1	Prompt1	1
Local Parameter 2	2	Prompt2	2
Local Parameter 3	3	Prompt3	3
Local Parameter 4	4	Prompt4	4
Local Parameter 5	5	Prompt5	5
Local Parameter 6	6	Prompt6	6
Local Parameter 7	7	Prompt7	7
Local Parameter 8	8	Prompt8	8
Local Parameter 9	9	Prompt9	9
Local Parameter 10	10	Prompt10	10
Local Parameter 11	11	Prompt11	11
Local Parameter 12	12	Prompt12	12
Local Parameter 13	13	Prompt13	13
Local Parameter 14	14	Prompt14	14
Local Parameter 15	15	Prompt15	15
Local Parameter 16	16	Prompt16	16
Local Parameter 17	17	Prompt17	17
Local Parameter 18	18	Prompt18	18
Local Parameter 19	19	Prompt19	19
Local Parameter 20	20	Prompt20	20

Build one parameters string from all 20 fields to save them locally.

Decode parameters string to all 20 fields

20 fields for your parameters.
**you can build more than 20*



Thank You

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