



# VbaRobot®

## VbaRobotServer (Bot)

*part of myCheapBots.com*

# Check -> Work with Deming cycle

## „Plan” in VbaRobotProcessMaster

Define your process parameters and develop process code.



Server Task Parameters received from VbaRobot Server:

Process parameters	+	Process code
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Start Server + GlobalStatus: COMPLETED, ProcessActStatus: Success

## „Do” in VbaRobotProcessMaster

Execute manually your process and improve it step by step.

Execute manually + improve

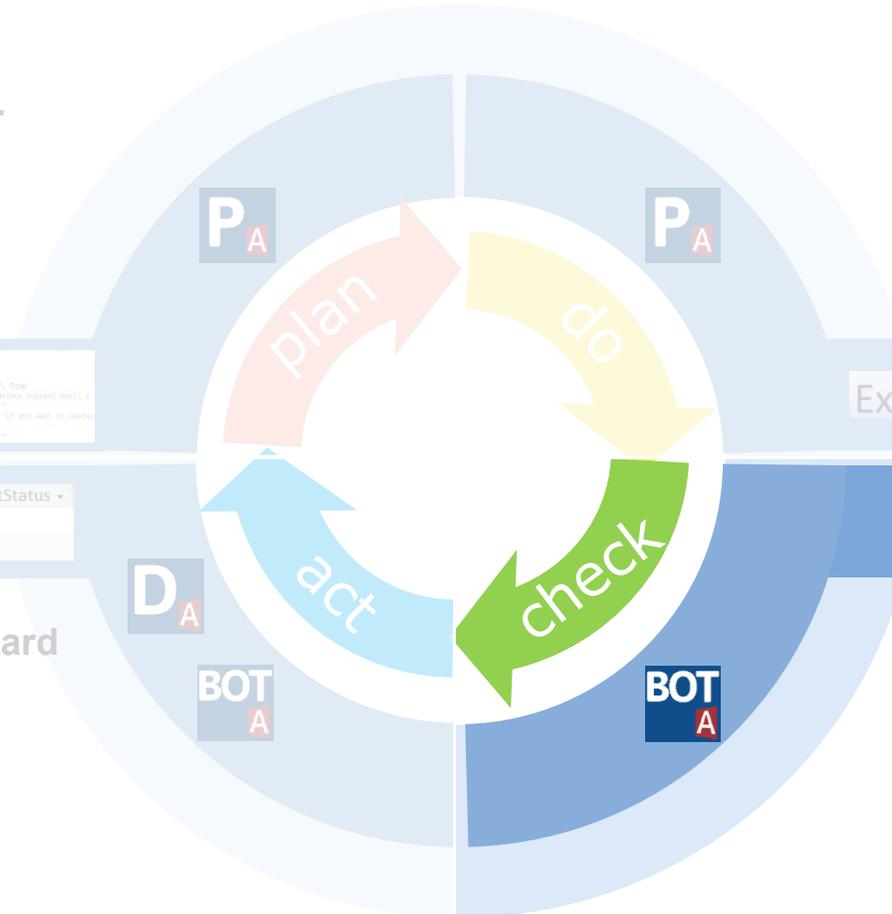
Process schedule + Masters list + Run 1 cycle

## „Act” in VbaRobotServer & Dashboard

After testing and checking, you can run the Bot with continuous work. You can observe status of the Bot in „Current tasks” tab or by Dashboard.

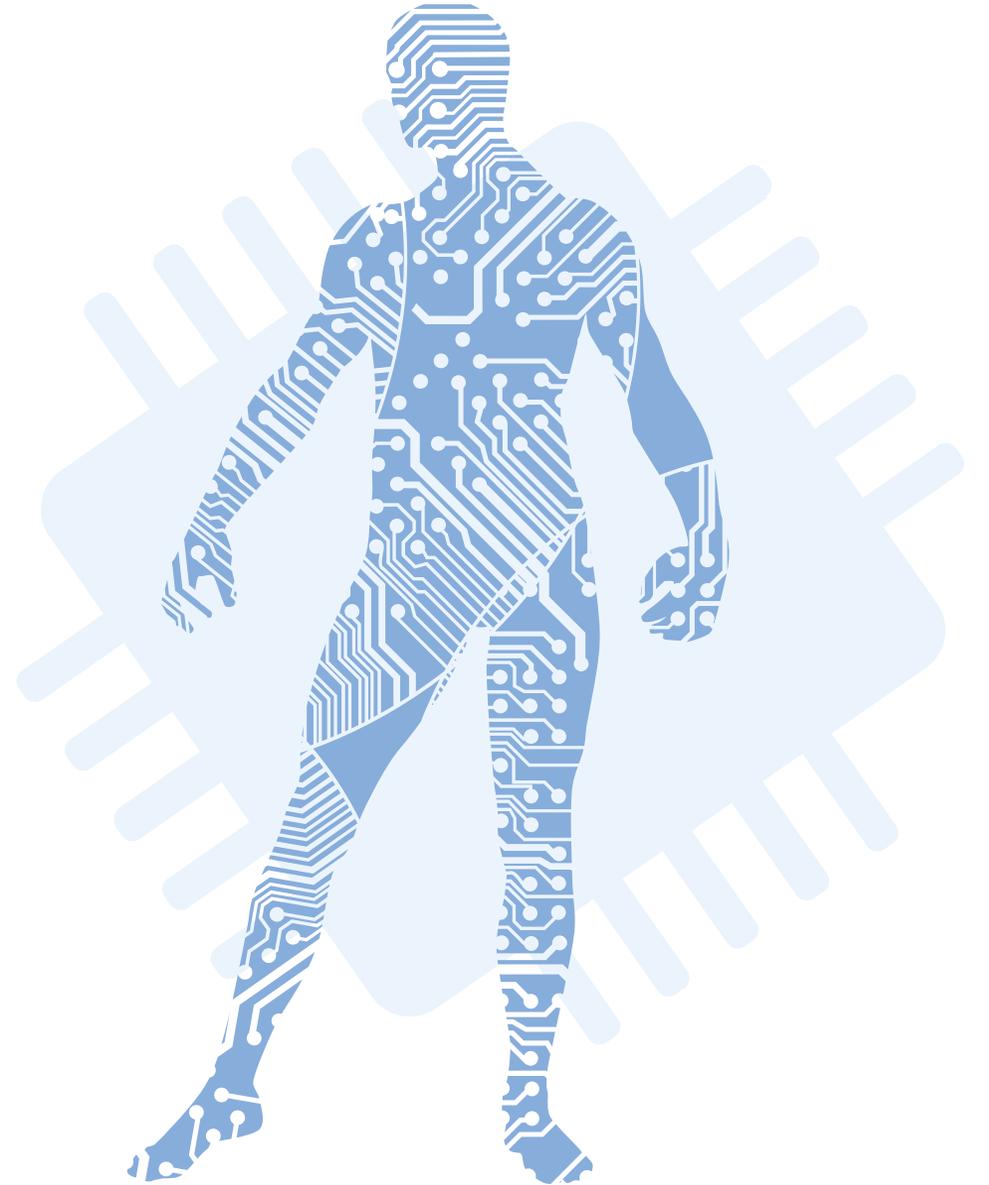
## „Check” in VbaRobotServer

Add process master file to „Masters list” and define new processes in „Process schedule” tab. Check how the process works by starting the Bot with 1 cycle.



# Agenda

- 1 Purpose**
- 2 UnlockKeys form**
- 3 Front page**
- 4 SetUp form**
- 5 Minimum settings to run Bot**



# 1. Purpose

VbaRobotServer (Bot) file: 

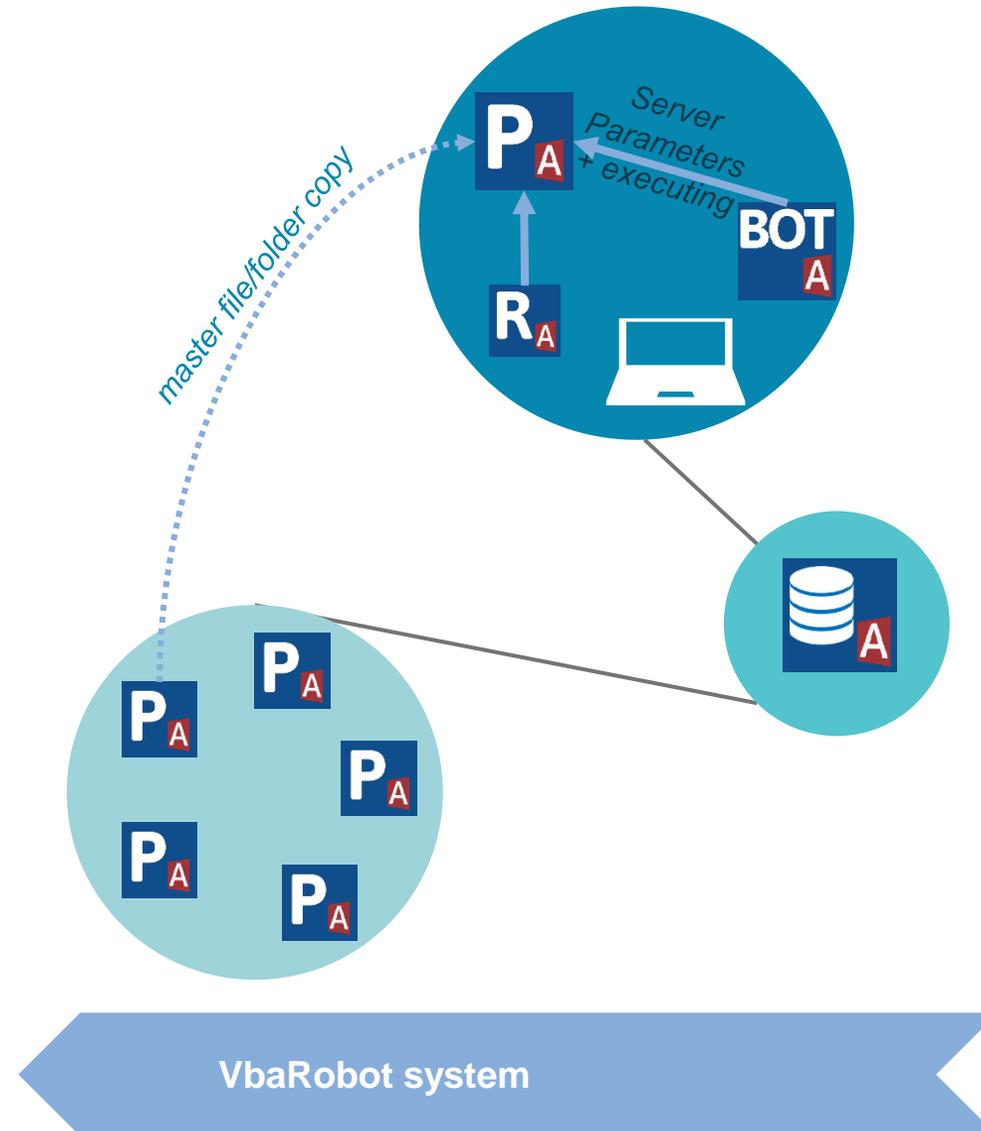
The Bot has few major functions:

1. Moves processes from „Process schedule” to „Current tasks” when time is coming.
2. Reschedules delayed processes in „Process schedule” - sending info emails.
3. Selects and books the task -> changes the GlobalStatus for STARTED-IN-SERVER according to defined limits (Server name, Process type, Location name).
4. Copies the master file and master folders to local temporary folder.
5. Executes the task.
6. Closes unnecessary windows in each cycle.
7. Closes unnecessary \*.exe programs when not executing any process.
8. Track task Deadline time, LT\_min (Lead time), Counter, if it exceed than closes the task.
9. Move COMPLETED tasks (if successfull or not) to „Completed tasks” table.
10. Records server errors during execution of tasks.

\* VbaRobotServer (Bot) file can be located in any location on local/server drive.

\*\* We propose to copy it into c:\VbaRobot\ path.

\*\*\* We don't recommend server location as file may be corrupted due to connection breaks.



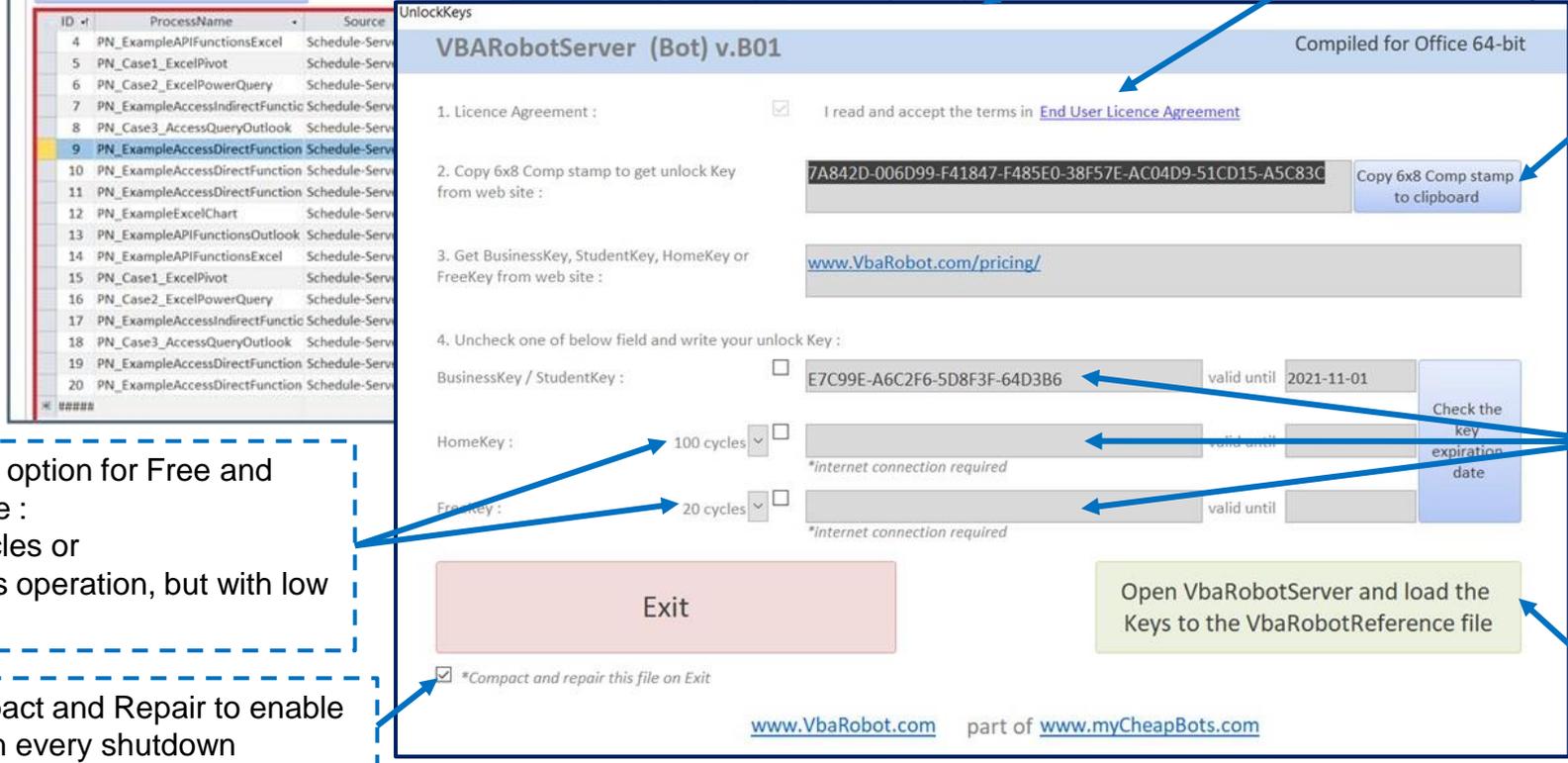


# 2. UnlockKey

UnlockKeys window will appear on Bot's first run. Click below button to open UnlockKeys form from front page.



You need to open and accept EULA before using VbaRobot (acceptance tick is located at the end of terms text).



Copy Comp stamp in installation process

Choose your option for Free and Home license :  
- limited cycles or  
- continuous operation, but with low frequency

Paste your unlock key (tick to write)

Check Compact and Repair to enable this option on every shutdown

Go to the front page, additionally your unlock key is send to VbaRobotReference file

Open VbaRobotServer and load the Keys to the VbaRobotReference file

# 3. Front page

A brief description of front page fields.

Server name – mandatory to run the Bot

Limits and filters settings from SetUp window (view only on front page)

You can find here Bot version, type ( Free,Home, Business), validity date, cycle info for Free, Home.

Start, Stop server buttons, cycle info with progress bar, important server information about current task, server status

Data tables – on the next slide.

To write any date in tables you need to Unlock table (red frame). Password in SetUp gives only read access to „Masters list”

DefaultWidth,Order, TextAlign- in SetUp – see SetUp form.

Info about current database- primary or alternative.

**Front page**

ID	ProcessName	Source	GlobalStatus	ProcessActStatus	Date	DeadLine	ServerStartDate	ProcessStartDate	Counter	LT_min	Server_Name
4	PN_ExampleAPIFunctionsExcel	Schedule-Server_03	COMPLETED	Success	2021-02-04 12:53:56	2021-02-04 16:15:00	2021-02-04 13:04:49	2021-02-04 13:05:11	1	10	Server_03
5	PN_Case1_ExcelPivot	Schedule-Server_03	READY		2021-02-04 12:53:57	2021-02-04 16:15:00			0	10	Server_01
6	PN_Case2_ExcelPowerQuery	Schedule-Server_03	READY		2021-02-04 12:53:57	2021-02-04 16:15:00			0	10	Server_02
7	PN_ExampleAccessIndirectFunction	Schedule-Server_03	READY		2021-02-04 12:53:57	2021-02-04 16:15:00			0	10	Server_02
8	PN_Case3_AccessQueryOutlook	Schedule-Server_03	READY		2021-02-04 12:53:57	2021-02-04 16:15:00			0	10	Server_03
9	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY		2021-02-04 12:53:58	2021-02-04 16:15:00			0	10	Server_02
10	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY		2021-02-04 12:53:58	2021-02-04 16:15:00			0	10	Server_03
11	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY		2021-02-04 12:57:47	2021-02-04 16:15:00			0	10	Server_01
12	PN_ExampleExcelChart	Schedule-Server_03	READY		2021-02-04 12:57:47	2021-02-04 16:15:00			0	10	Server_01
13	PN_ExampleAPIFunctionsOutlook	Schedule-Server_03	READY		2021-02-04 12:57:47	2021-02-04 16:15:00			0	10	Server_01
14	PN_ExampleAPIFunctionsExcel	Schedule-Server_03	READY		2021-02-04 12:57:47	2021-02-04 16:15:00			0	10	Server_01
15	PN_Case1_ExcelPivot	Schedule-Server_03	READY		2021-02-04 12:57:47	2021-02-04 16:15:00			0	10	Server_01
16	PN_Case2_ExcelPowerQuery	Schedule-Server_03	READY		2021-02-04 12:57:47	2021-02-04 16:15:00			0	10	Server_02
17	PN_ExampleAccessIndirectFunction	Schedule-Server_03	READY		2021-02-04 12:57:48	2021-02-04 16:15:00			0	10	Server_02
18	PN_Case3_AccessQueryOutlook	Schedule-Server_03	READY		2021-02-04 12:57:48	2021-02-04 16:15:00			0	10	Server_03
19	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY		2021-02-04 12:57:48	2021-02-04 16:15:00			0	10	Server_02
20	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY		2021-02-04 12:57:48	2021-02-04 16:15:00			0	10	Server_03

Run 1 cycle – click this button to execute only one cycle ( mainly used to start one process w/o starting Bot)

Icon „SetUp” window

UnlockKey window – used to get Comp stamp, write unlock keys, compacting database, read EULA.

Exit Server/ Compact and exit Server

# 3. Front page (tabs)

## Current tasks tab

ID	ProcessName	Source	GlobalStatus	ProcessActStatus	Date
4	PN_ExampleAPIFunctionsExcel	Schedule-Server_03	COMPLETED	Success	2021-02-04 12:53:5
5	PN_Case1_ExcelPivot	Schedule-Server_03	READY		2021-02-04 12:53:5
6	PN_Case2_ExcelPowerQuery	Schedule-Server_03	READY		2021-02-04 12:53:5
7	PN_ExampleAccessIndirectFunction	Schedule-Server_03	READY		2021-02-04 12:53:5
8	PN_Case3_AccessQueryOutlook	Schedule-Server_03	READY		2021-02-04 12:53:5
9	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY		2021-02-04 12:53:5
10	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY		2021-02-04 12:53:5
11	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY		2021-02-04 12:57:9
12	PN_ExampleExcelChart	Schedule-Server_03	READY		2021-02-04 12:57:9
13	PN_ExampleAPIFunctionsOutlook	Schedule-Server_03	READY		2021-02-04 12:57:9
14	PN_ExampleAPIFunctionsExcel	Schedule-Server_03	READY		2021-02-04 12:57:9
15	PN_Case1_ExcelPivot	Schedule-Server_03	READY		2021-02-04 12:57:9
16	PN_Case2_ExcelPowerQuery	Schedule-Server_03	READY		2021-02-04 12:57:9
17	PN_ExampleAccessIndirectFunction	Schedule-Server_03	READY		2021-02-04 12:57:9
18	PN_Case3_AccessQueryOutlook	Schedule-Server_03	READY		2021-02-04 12:57:9
19	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY		2021-02-04 12:57:9
20	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY		2021-02-04 12:57:9

You can see here list of **tasks** that were moved from „Process schedule” tab. There can be tasks with status :

- „**READY**” (waiting for execution),
- „**STARTED-IN-SERVER**” (task just has been reserved by BOT and before execution),
- „**STARTED-IN-PROCESS**” (currently executed by BOT)
- „**COMPLETED**” ( just finished)

You can see here list of **completed tasks** that were moved from „Current task” tab. There can be tasks with status „**COMPLETED**” (finished with or without warnings and errors)

## Completed tasks tab

ID	ProcessName	Source	GlobalStatus	
2	PN_ExampleExcelChart	Schedule-Server_03	COMPLETED	Sud
1	PN_ExampleAccessDirectFunctions-Europe	Schedule-Server_03	COMPLETED	Sud

Visibility of tasks/processes defined by Filters. Bot execution is defined by Limits.

<input type="checkbox"/>	Filter	Limit current tasks to server name:	All
<input type="checkbox"/>		Limit current tasks to process type:	All
<input type="checkbox"/>		Limit current tasks to location name:	All

## Process schedule tab

ID	En.	ProcessName	MasterName	Time
40	<input checked="" type="checkbox"/>	PN_Case1_ExcelPivot	Case1_ExcelPivot	12:55:3
42	<input checked="" type="checkbox"/>	PN_Case2_ExcelPowerQuery	Case2_ExcelPowerQuery	12:55:3
45	<input checked="" type="checkbox"/>	PN_Case3_AccessQueryOutlook	Case3_AccessQueryOutlook	12:55:3
18	<input checked="" type="checkbox"/>	PN_ExampleAccessDirectFunctions-Europe	ExampleAccessDirectFunctions	12:55:3
47	<input checked="" type="checkbox"/>	PN_ExampleAccessDirectFunctions-North Americ	ExampleAccessDirectFunctions	12:55:3
48	<input checked="" type="checkbox"/>	PN_ExampleAccessDirectFunctions-Ocean	ExampleAccessDirectFunctions	12:55:3
43	<input checked="" type="checkbox"/>	PN_ExampleAccessIndirectFunctions	ExampleAccessIndirectFunctions	12:55:3
34	<input checked="" type="checkbox"/>	PN_ExampleAPIFunctionsExcel	ExampleAPIFunctionsExcel	12:55:3
33	<input checked="" type="checkbox"/>	PN_ExampleAPIFunctionsOutlook	ExampleAPIFunctionsOutlook	12:55:3
19	<input checked="" type="checkbox"/>	PN_ExampleExcelChart	ExampleExcelChart	12:55:3
20	<input type="checkbox"/>	PN_ExampleExcelChartObject	ExampleExcelChartObject	10:00:3
23	<input type="checkbox"/>	PN_ExampleExcelPivot	ExampleExcelPivot	10:00:3
17	<input type="checkbox"/>	PN_ExampleExcelPowerQueryUpdate	ExampleExcelPowerQueryUpdate	10:00:3
21	<input type="checkbox"/>	PN_ExampleExcelRange	ExampleExcelRange	10:00:3
24	<input type="checkbox"/>	PN_ExampleExcelRangeMacro	ExampleExcelRangeMacro	10:00:3
22	<input type="checkbox"/>	PN_ExampleExcelTable	ExampleExcelTable	10:00:3

You can see here list of all **processes** that can be executed by Bot. First Enable it by ticking it on the left side and then define rest of the fields. Once Bot meets NextSendDate process is moved to „Current tasks” table with status „**READY**” (waiting for execution).

You can see here list of all **process master files** (with file path) and master process folders paths. One master process can be used many times by processes in „Process schedule” with different fields data and task parameters.

## Masters list tab

ID	MasterName	Change_file	MasterFile
57	Case1_ExcelPivot	<input type="checkbox"/>	C:\VBARobot\Masters\Case1_ExcelPivotOutlook
58	Case2_ExcelPowerQuery	<input type="checkbox"/>	C:\VbaRobot\Masters\Case2_ExcelPowerQueryC
59	Case3_AccessQueryOutlook	<input type="checkbox"/>	C:\VBARobot\Masters\Masters\Case3_AccessQueryOutlo
34	ExampleAccessDirectFunctions	<input type="checkbox"/>	C:\VBARobot\Masters\ExampleAccessDirectFuncn
55	ExampleAccessIndirectFunctions	<input type="checkbox"/>	C:\VBARobot\Masters\ExampleAccessIndirectFur
49	ExampleAPIFunctionsExcel	<input type="checkbox"/>	C:\VBARobot\Masters\ExampleAPIFunctionsExce
50	ExampleAPIFunctionsOutlook	<input type="checkbox"/>	C:\VBARobot\Masters\ExampleAPIFunctionsOutl
35	ExampleExcelChart	<input type="checkbox"/>	C:\VBARobot\Masters\ExampleExcelChart.accdb
36	ExampleExcelChartObject	<input type="checkbox"/>	C:\VBARobot\Masters\ExampleExcelChartObject
39	ExampleExcelPivot	<input type="checkbox"/>	C:\VBARobot\Masters\ExampleExcelPivot.accdb
33	ExampleExcelPowerQueryUpdate	<input type="checkbox"/>	C:\VbaRobot\Masters\ExampleExcelPowerQuery
37	ExampleExcelRange	<input type="checkbox"/>	C:\VBARobot\Masters\ExampleExcelRange.accd
40	ExampleExcelRangeMacro	<input type="checkbox"/>	C:\VBARobot\Masters\ExampleExcelRangeMacr
38	ExampleExcelTable	<input type="checkbox"/>	C:\VBARobot\Masters\ExampleExcelTable.accdb
48	ExampleInternetExplorer_API	<input type="checkbox"/>	C:\VBARobot\Masters\ExampleInternetExplore
45	ExamplePictureFromFile	<input type="checkbox"/>	C:\VBARobot\Masters\ExamplePictureFromFile.a
46	ExampleWordPages1	<input type="checkbox"/>	C:\VBARobot\Masters\ExampleWordPages1.acce
56	ExampleWordPages2	<input type="checkbox"/>	C:\VBARobot\Masters\ExampleWordPages2.acce



# 4. SetUp form

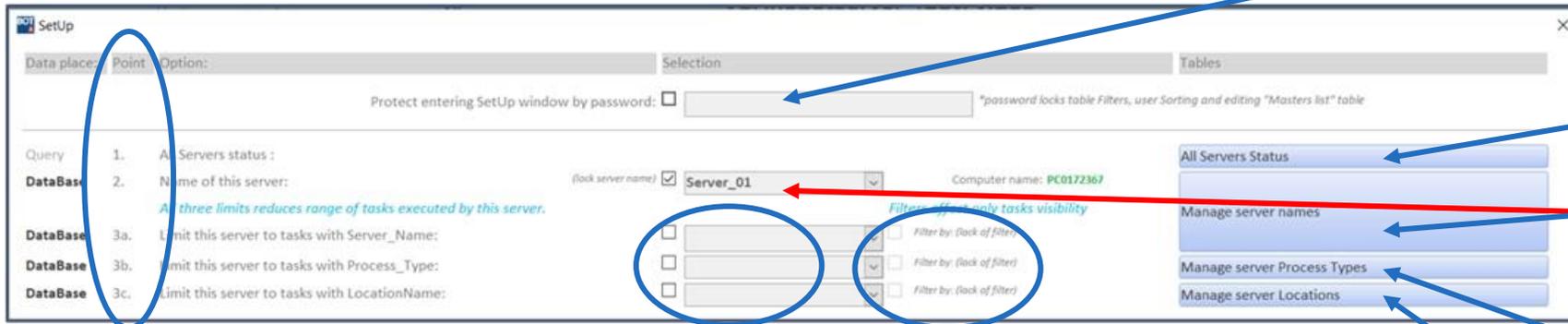
Click below button to open SetUp form.

The screenshot shows the VbaRobotServer (Bot) v.B01 interface. The server name is 'Server\_01'. The server state is 'Server is not working!'. The 'Run 1 cycle' button is circled in blue, and an arrow points to the 'Setup' dialog box. The 'Setup' dialog box is titled 'Front page' and 'SetUp form'. It contains various configuration options for the server, including a list of tasks, database settings, and connection options. The 'Primary [MSAccess] database tables (is connected?)' option is checked, and the 'Alternative database tables ODBC (is connected?)' option is unchecked. The 'Get full specific ODBC Errors for tblClockList, tblMasterList, tblTaskCurrent, tblTaskCompleted -> Microsoft KB296175' option is also checked.



# 4. SetUp (points 1-3c)

You can protect access to SetUp window by password.



Quick view of Bots status

To run a Bot you **must** choose/define and lock server name.

Define/manage process types

Define/manage location names

Filters set in points 3a-3c will be visible on the front page

Limits set in points 3a-3c will be visible on the front page





# 4. SetUp (4a-4d)

Tick to enable closing programs:  
base on shared list -  
base on this Server (Bot) list -

Use this setting to setup the wait time between closing  
msaccess.exe and verifying that it is really closed.  
Increase wait time when get such error.

DataBase	4a.	Close Programs before running new task or "no task to execute":	<input checked="" type="checkbox"/>	*Close except Access Vba/Robot major files	1200 (ms) *Wait (1200 to 5000) after closing all MSACCESS.EXE	Allow table editing <input type="checkbox"/>	Programs to close from Shared List
This file	4b.	Close Programs before running new task or "no task to execute":	<input checked="" type="checkbox"/>				Programs to close from this Server List
DataBase	4c.	Close Windows, PopUps in each server cycle:	<input checked="" type="checkbox"/>			Allow table editing <input type="checkbox"/>	Windows to close from Shared List
This file	4d.	Close Windows, PopUps in each server cycle:	<input checked="" type="checkbox"/>				Windows to close from this Server List

Tick to enable closing windows:  
base on shared list -  
base on this Server (Bot) list -

Shared list of Windows to close

Get Children and Dialogs ID/Handles for below text in Window Title (you can write part of window title)

Only Windows Visible  Only Windows with Title

Outlook

Window title part	Active	prevDialogID	DialogID	nextDialogID	Comment
Microsoft Access	<input checked="" type="checkbox"/>	0	2	9	Button DialogID=2. Button "OK" from ODBC error. -> "ODBC--call failed. [Microsoft][ODBC SQL Server Driver][DBNETLIB]ConnectionRead (recv!): (#10054)"
Microsoft Outlook	<input checked="" type="checkbox"/>	20	6	7	Button DialogID=6. Button "Exit" in window "Exit and Send Later".
Microsoft Outlook	<input checked="" type="checkbox"/>	4773	4774	0	Button DialogID=4774. Button "Allow" preventing scripting

Shared list of Programs to close

Program	Active
access.exe	<input type="checkbox"/>
excel.exe	<input type="checkbox"/>
lync.exe	<input checked="" type="checkbox"/>
outlook.exe	<input type="checkbox"/>

Local list of Programs to close

Program	Active
*	<input type="checkbox"/>



prevDialogHandle	2426550	prevDialogID	20
DialogHandle	853660	DialogID	6
nextDialogHandle	1969912	nextDialogID	7

ChildWindowTitle - from API GetWindowText	ChildHandle - from API GetWindow	ChildClassName - from API GetClassName	DialogID - from API GetDlgCtrlID
Exit and Send Later	2426550	RichEdit20WPT	20
Don't Exit	853660	Button	6
	1969912	Button	7

### Follow the process to add window to close:

- generate window to close ( here example of Outlook window),
- enter part on window name and click button Generate Excel table,
- find three dialog Ids (here for button), prevDialogID, DialogID, nextDialogID,
- add new record with window properties + write a comment.
- tick Activate to make it active



# 4. SetUp (5-6b)

Tell the Bot how much you want to increase lead time (one factor impacts all tasks)

*\* in below example all tasks Lead time will be extended by 1,3. It will increase LT\_min of task ID=4 to 13 minutes.*

Tell the Bot how many times needs to repeat task if not successful

*\* in below example, the task was COMPLETED the first time*

It is desired to write email address for critical server errors, *\*tick to run checking the email format when closing the settings form*

This file 5a. Maximum for Counter (repeats of not Completed tasks):

This file 5b. Lead time extending factor (it multiply LT\_min):

This file 5c. Server Timer cycle time [sec]:

This file 6a. Error email address for Server critical errors:

This file 6b. Warning email address for "Process schedule", "Current tasks" warnings:

Max critical errors (1-20):   To OwnerEmail  To AdminEmail

To EmailTo  To OwnerEmail  To AdminEmail

Set up max critical errors to stop the Bot

VbaRobotServer (Bot)

Server name:

Filter:  Limit current tasks to server name: All  
 Limit current tasks to process type: All  
 Limit current tasks to location name: All

Server status:

Current tasks:     Primary DB: file  
 DATABASE=C:\VbaRobot\VbaRobotDataBase.accdb

ID	ProcessName	Source	GlobalStatus	ProcessAct>Status	Date	DeadLine	ServerStartDate	ProcessStartDate	Counter	LT	Server_Name
4	PN_ExampleAPIFunctionsExcel	Schedule-Server_03	COMPLETED	Success	2021-02-04 12:53:56	2021-02-04 16:15:00	2021-02-04 13:04:49	2021-02-04 13:05:11	1	10	Server_03
5	PN_Case1_ExcelPivot	Schedule-Server_03	READY		2021-02-04 12:53:57	2021-02-04 16:15:00			0	10	Server_01
6	PN_Case2_ExcelPowerQuery	Schedule-Server_03	READY		2021-02-04 12:53:57	2021-02-04 16:15:00			0	10	Server_02
7	PN_ExampleAccessIndirectFuncio	Schedule-Server_03	READY		2021-02-04 12:53:57	2021-02-04 16:15:00			0	10	Server_02
8	PN_Case3_AccessQueryOutlook	Schedule-Server_03	READY		2021-02-04 12:53:57	2021-02-04 16:15:00			0	10	Server_03
9	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY		2021-02-04 12:53:58	2021-02-04 16:15:00			0	10	Server_02
10	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY		2021-02-04 12:53:58	2021-02-04 16:15:00			0	10	Server_03
11	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY		2021-02-04 12:57:47	2021-02-04 16:15:00			0	10	Server_01
12	PN_ExampleExcelChart	Schedule-Server_03	READY		2021-02-04 12:57:47	2021-02-04 16:15:00			0	10	Server_01
13	PN_ExampleAPIFunctionsOutlook	Schedule-Server_03	READY		2021-02-04 12:57:47	2021-02-04 16:15:00			0	10	Server_01
14	PN_ExampleAPIFunctionsExcel	Schedule-Server_03	READY		2021-02-04 12:57:47	2021-02-04 16:15:00			0	10	Server_01
15	PN_Case1_ExcelPivot	Schedule-Server_03	READY		2021-02-04 12:57:47	2021-02-04 16:15:00			0	10	Server_01
16	PN_Case2_ExcelPowerQuery	Schedule-Server_03	READY		2021-02-04 12:57:47	2021-02-04 16:15:00			0	10	Server_02
17	PN_ExampleAccessIndirectFuncio	Schedule-Server_03	READY		2021-02-04 12:57:48	2021-02-04 16:15:00			0	10	Server_02
18	PN_Case3_AccessQueryOutlook	Schedule-Server_03	READY		2021-02-04 12:57:48	2021-02-04 16:15:00			0	10	Server_03
19	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY		2021-02-04 12:57:48	2021-02-04 16:15:00			0	10	Server_02
20	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY		2021-02-04 12:57:48	2021-02-04 16:15:00			0	10	Server_03

Tick „To EmailTo“, „To OwnerEmail“, „To AdminEmail“ to define who will receive warning or error emails coming from. Email addresses will be taken directly from current task fields.



# 4. SetUp (7a-7d)

\*no needs to explain ☺

This file 7a. Take only 1 task from "Process schedule" to "Current tasks" table :  (to prevent long list in "Current tasks" table with tasks status "READY" ( waiting for execution))

This file 7b. "Run 1 cycle" button enabled :

This file 7c. Start RunCycleBin in every cycle of Timer:

Register 7d. Set default column properties Width, Order, TextAlign in following tables: [\(click to edit properties in Win Register\)](#)

Current tasks   Completed tasks   Process schedule   Masters list

You can save current setting of columns order, width, text alignment as Default by these buttons

VbaRobotServer (Bot)

Server name: Server\_01

Filter: Limit current tasks to server name, Limit current tasks to process name, Limit current tasks to location

Cycle: 0   Server state: Server is not working!   Server task:

Start Server   Stop Server

Current tasks   Completed tasks   Process schedule   Masters list   Errors

Unlock / Lock all tables   Default column Width, Order, TextAlign

ID	ProcessName	Source	GlobalStatus	ProcessActStatus
4	PN_ExampleAPIFunctionsExcel	Schedule-Server_03	COMPLETED	Success
5	PN_Case1_ExcelPivot	Schedule-Server_03	READY	
6	PN_Case2_ExcelPowerQuery	Schedule-Server_03	READY	
7	PN_ExampleAccessIndirectFunction	Schedule-Server_03	READY	
8	PN_Case3_AccessQueryOutlook	Schedule-Server_03	READY	
9	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY	
10	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY	
11	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY	
12	PN_ExampleExcelChart	Schedule-Server_03	READY	
13	PN_ExampleAPIFunctionsOutlook	Schedule-Server_03	READY	
14	PN_ExampleAPIFunctionsExcel	Schedule-Server_03	READY	
15	PN_Case1_ExcelPivot	Schedule-Server_03	READY	
16	PN_Case2_ExcelPowerQuery	Schedule-Server_03	READY	
17	PN_ExampleAccessIndirectFunction	Schedule-Server_03	READY	
18	PN_Case3_AccessQueryOutlook	Schedule-Server_03	READY	
19	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY	
20	PN_ExampleAccessDirectFunction	Schedule-Server_03	READY	

You can apply Default columns order, width, text alignment.

VB and VBA Program Settings

- VbaRobotServer
  - Defaults
  - frmClockList
  - frmMastersList
  - frmTasksCompleted
  - frmTasksCurrent

Default.Process_name.ColumnOrder	REG_SZ	2
Default.Process_name.ColumnWidth	REG_SZ	4344
Default.Process_name.TextAlign	REG_SZ	0
Default.Process_type.ColumnOrder	REG_SZ	13
Default.Process_Type.ColumnWidth	REG_SZ	2184
Default.Process_Type.TextAlign	REG_SZ	0
Default.ProcessAdminEmail.ColumnOrder	REG_SZ	36

You can edit and change your Default values of columns order, width, text alignment in windows register (**regedit.exe**)

*\*here example for column ProcessName in table „Current tasks“ (tblTasksCurrent)*



# 4. SetUp (8)

Tick to enable testing ethernet and database connection

Quick ticks to choose office programs to close

Tick to close programs from shared list to close when no connection.

The screenshot shows a configuration window with the following elements:

- Test Ethernet/active DB connection (every 5 sec in server running mode):** A checkbox that is checked.
- Avoid short connection breaks (don't close running processes, programs during this time, \*s):** A text label with a value of 30.
- LOSE PROGRAMS when no connection:** A section containing several checkboxes for office programs: excel.exe, outlook.exe, winword.exe, and access.exe. These are circled in blue.
- from table: "Programs to close from Shared List":** A checkbox that is unchecked.
- from table: "Programs to close from this Server List":** A checkbox that is unchecked.

Tick to close programs from this server list to close when no connection.



# 4. SetUp (9a-9c)

## Connect the Bot to Primary database (Access database):

a) load connection string from file or tick to open and write connection manually

b) connect the Bot to database (get msgbox if OK)

c) check connection result if not connected

The screenshot shows the configuration window for connecting to a primary Access database. It includes a list of files with checkboxes for 'is connected?' and buttons for 'Load from file', 'Check connection', and 'Connect'. A 'Connection results' window is shown on the right, displaying a success message: 'The Primary Database has been connected properly.'

## Connect the Bot to Alternative database: (e.g. Microsoft SQL Server)

a) load connection string from file or tick to open and write connection manually

b) connect the Bot to SQL database (get msgbox if OK)

c) check connection result if not connected

The left screenshot shows a context menu with 'Open' selected. The right screenshot shows a file explorer window with 'VbaRobotDatabase.mdb' highlighted in the file list.

\* before connecting SQL Server make sure that you properly prepared tables on SQL Server using VbaRobotDatabase.mdb (details in presentation „Connecting to SQL Server“)

\* Point 9c. read more from Microsoft link

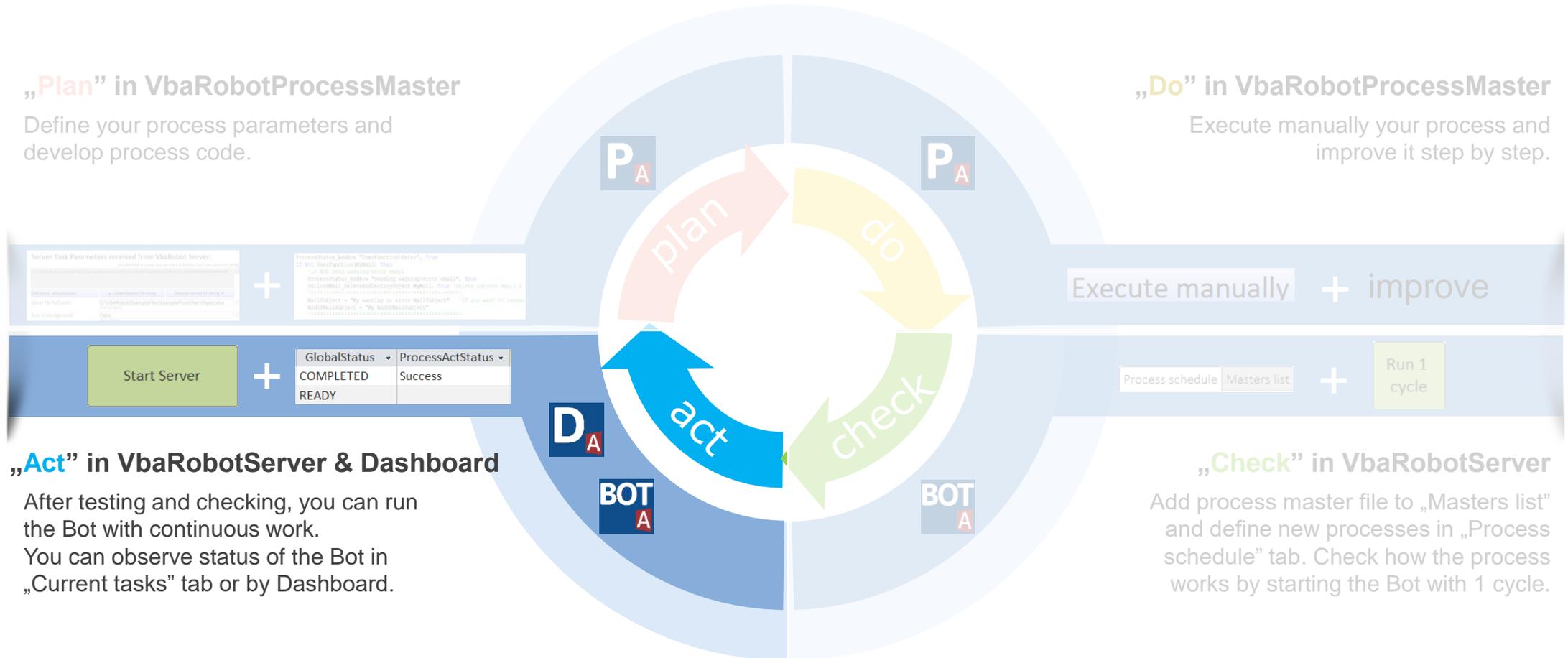
# Act -> Work with Deming cycle

## „Plan” in VbaRobotProcessMaster

Define your process parameters and develop process code.

## „Do” in VbaRobotProcessMaster

Execute manually your process and improve it step by step.



## „Act” in VbaRobotServer & Dashboard

After testing and checking, you can run the Bot with continuous work. You can observe status of the Bot in „Current tasks” tab or by Dashboard.

## „Check” in VbaRobotServer

Add process master file to „Masters list” and define new processes in „Process schedule” tab. Check how the process works by starting the Bot with 1 cycle.

# 5. Minimum settings to run Bot

a) **You must** choose/define and lock server name.

The 'SetUp' window shows configuration options for the bot. The 'DataBase' section has a dropdown menu for 'Name of this server:' with 'Server\_01' selected. A blue circle highlights this dropdown. Other options include 'Computer name: PC0172367' and 'Protect entering SetUp window by password:'. There are also buttons for 'All Servers Status' and 'Manage server names'.

b) **It is desired** to write email address for critical errors emails.

The configuration window shows various settings. The 'Error email address for Server critical errors:' field is circled in blue. Other settings include 'Maximum for Counter (repeats of not Completed tasks): 3', 'Lead time extending factor (it multiply LT\_min): 1,3', and 'Server Timer cycle time [sec]: 20'. There are also checkboxes for 'To OwnerEmail' and 'To AdminEmail'.

c) Tick to enable the process, define fields, parameters and write Time and check NextSendDate.

The 'Process schedule' tab shows a table of tasks. The 'En.' column is circled in blue. The table has columns for ID, En., ProcessName, MasterName, Time, Repeat, Minutes, Day, Weekday, InWeekend, DoWithin(min), LastSentDate, NextSendDate, and DeadLine.

ID	En.	ProcessName	MasterName	Time	Repeat	Minutes	Day	Weekday	InWeekend	DoWithin(min)	LastSentDate	NextSendDate	DeadLine	
4	<input checked="" type="checkbox"/>	PN_Case1_ExcelPivot	Case1_ExcelPivot	19:05:00	minute	60			<input checked="" type="checkbox"/>	200	2021-02-10 17:05:00	2021-02-10 18:05:00	2021-02-10 21:25:00	C:\VBARobot\ExampleFiles\ExampleP
4	<input checked="" type="checkbox"/>	PN_Case2_ExcelPowerQuery	Case2_ExcelPowerQuery	19:06:00	minute	60			<input checked="" type="checkbox"/>	200	2021-02-10 17:06:00	2021-02-10 18:06:00	2021-02-10 21:26:00	\Case2_ExcelPowerQueryChartObject
45	<input checked="" type="checkbox"/>	PN_Case3_AccessQueryOutlook	Case3_AccessQueryOutlook	19:07:00	minute	60			<input checked="" type="checkbox"/>	200	2021-02-10 17:07:00	2021-02-10 18:07:00	2021-02-10 21:27:00	C:\VBARobot\ExampleFiles\Vegetable

d) Click „Start Server” button.

The 'VbaRobotServer (Bot)' window shows the server status. The 'Start Server' button is circled in blue. The window displays the server name 'Server\_01', the version 'VBARobotServer (Bot) v.B01', and the business version valid till '2021-11-01'. There are buttons for 'Run 1 cycle', 'Unlock Keys', and 'Exit Server'.



# Thank You

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