

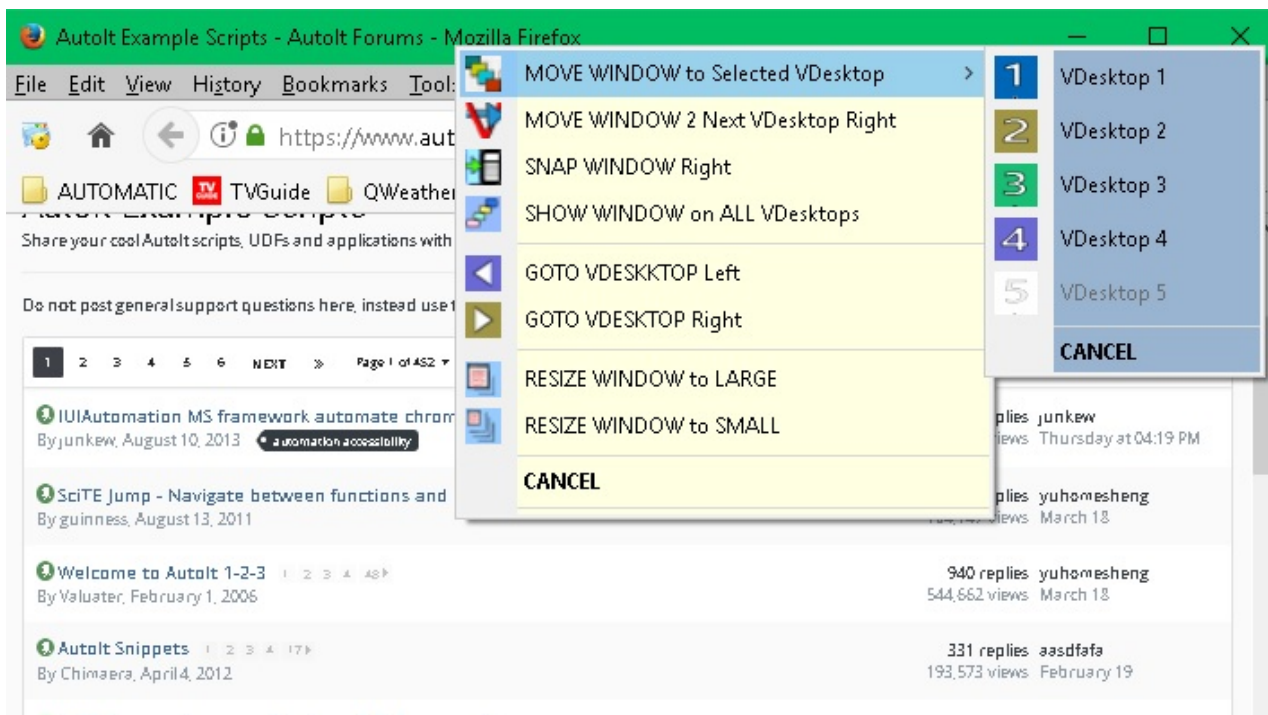
## VDTCTX - Application

Window Management Context Tools for WIN10 Virtual Desktops -----  
Permits App Windows to be managed across Virtual Desktops using mouse selections.

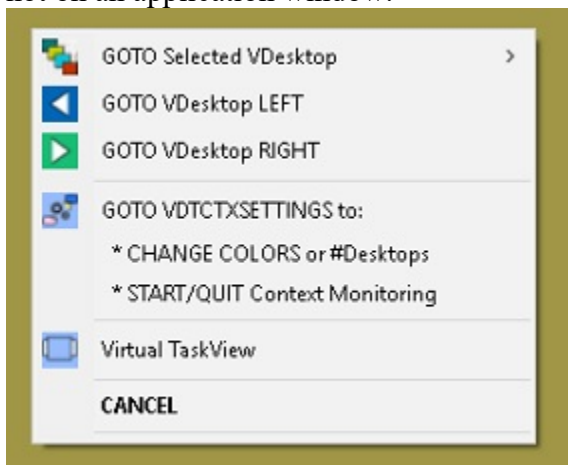
Requirements:

1) A Settings Program VDTCTXSettings is used to define 1-5 Virtual DeskTops . VDTCTX uses Solid Color Backgrounds for each Virtual Desktop. VDTCTXSettings directs the user to use Windows 10 Personalization tools to Color Backgrounds and records the user color choice. VDTCTXSettings RECORD Option will update VDTCTL and VDTCTXMenu and compile them with New Options selected by the user.

2) A Mouse is required that provides the ability to depress both Left and Right mouse buttons simultaneously. Selection on windows Title Bar initiates an Application Window context menu, which provides the window functions.



A Program Manager Context Menu is presented if initiated on the Program Manager background and not on an application window.



Composed of Three Main Components:

1) VDTCTX - A resident monitoring program for concurrent left and right mouse click on an application window title bar or a Program Manager desktop background, which then calls VDTCTXMenu.

2 VDTCTXMenu - Presents the context menu and provides all of it's functions. Uses VDTCTL to switch to any required Virtual Desktop. It executes a context menu popup to present virtual desktop functions in support of the chosen Application window. If the concurrent left and right mouse click is on the Program Manager desktop background a Program Manager Context menu providing access to SETTINGS and TaskView

3) VDTCTL - Provides a switching functions to any Virtual Desktop by Number (1-n) or by Direction L(ef) or R(ight) as a parameter with wrapping left or right. It uses a Register query to determine the current Virtual Desktop.

VDTCTL can be used independent of VDTCTXMenu by the user to do any desktop switching from user shortcut routines, etc. All Desktop Switching is recommended to be done by calls to VDTCTL (parameter). The valid parameters are 1-n, L or R. Three example Switching programs DeskTopR and DeskTopL are provided and shortcuts to these can be placed conveniently to Taskbar etc.

Also an example - Example\_StartProgsonDiffDesktops.au3 shows how to start programs on different desktops which can be used at anytime such as at startup, to create desktops with different program environments on each virtual desktop. .

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IMPLEMENTING VDTCTX: -----

\* Create a Folder that will hold VDTCTX components. Unzip VDTCTX.zip in this folder.

The folder will contain:

The code components, icons and sample use of VDTCTL

\* Execute VDTCTXSettings (There is INITIAL install logic triggered by VDTCTX.ini "1TIME" switch which does initial compile of VDTCTL and VDTCTXMenu and saves initial desktop color.

\* START Context Monitoring

\* VDTCTXSettings is then prepared to be used as normal to Define Number of Desktops, Color those Desktops, and start or stop Monitoring as follows:

- Using VDTCTXSettings.exe - A Gui will be presented to define 1-n Virtual Desktops, Set or Change any defined Desktop background color. Then by selected "RECORD" your selections will be inserted into source code and compiled. VDTCTXSettings is also used after install to make any changes. The supplied code will support up to 5 Desktops (\$MaxDTops). If you want more than 5 Desktops you must change \$MaxDTops and modify the code. Use VDTCTX to start and stop Monitoring. ( ideally create a shortcut - used to start or stop Monitoring)

\* If more that 5 Desktops, Create second level context menu icons of the form VDTOPx.ico as a Windows icon. The font used was AR DELANY with the center as white, the background is transparent to show the color selected by the user for that Desktop Background. This same icon is used as VDTMarkers.

\* The Colors used in this program are decimal equivalents for RGB and BGR

\*VDTCTX which is the mouse monitoring program can be started or stopped by the VDTCTXSettings program using "Start" or "Quit" buttons.

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## VDTCTX Package Features -----

- \* Move Window directly to any Virtual DeskTop
- \* Move Window to next Virtual DeskTop to the right (Will Wrap to 1st Desktop)
- \* Snap Window to the right side
- \* Show Window on all Virtual DeskTops
- \* Open Windows 10 Virtual Taskview
- \* Open VDTCTX SETTINGS to make changes
- \* Quit to stop mouse monitoring by VDTCTX
- \* VDTCTL is an independent and callable routine that can be used by the user to build shortcuts to switch desktops prior to program execution, etc.

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## DELIVERABLES: -----

1) VDTCTX.au3 - The monitoring source code.

Passes the Window Handle detected to VDTCTXMenu

2) VDTCTXMenu.au3 - The Menu and Functions source code to manage the window in the Virtual DeskTop environment.

VDTCTX(\$hWindow) -

3) VDTCTL.au3 - The desktop switching source code.

4) VDTCTXSettings - The Settings Source Code

5) Icons for 1-5

6) README.doc - or - [README.pdf = This text

7) ContextMenu icons

8) SAMPLEs - Shortcuts to move left or right,

- Program showing start of programs on different deskktops using VDTCTL to switch to another Desktop before executing program.

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## ABOUT VDTCTX: -----

Virtual Desktops of Windows 10 provides a graphic method of moving windows about the desktops. Other functions of switching to other desktops as well, require the user to go to the Task View environment to accomplish moves graphically.

By adding a window context menu, the users focus stays on the application window with the ability to quickly move or execute in the virtual desktop environment.

This has been used in a desktop computing environment with the use of a mouse. No attempt has been made to substitute for the simultaneous Left and Right Mouse buttons to initiate the context menu. Windows Right button Context menu on windows title bar is essentially ignored. It's appearance can be minimized if the Left Mouse Button is pressed prior to the Right Mouse Button in the case of VDTCTX.

Caution: While there has been no problems using this code with user or vended application windows, there have been instances of some problems with some Windows 10 System function screens not moving to other desktops. Current use is on Windows 10 X64