

# WinTask Quick Start Guide (Web automation)

## Introduction

Welcome to WinTask - the premier Windows and Web automation software. WinTask makes it simple to automate the repetitive tasks you need to accomplish such as Web navigation, forms filling, data collections, downloads, Web data extraction etc.

By making these tasks automatic instead of having to do them manually all the time, you are going to:

- save time - the tasks are done for you
- improve quality - the tasks are performed exactly correct every time with no errors
- avoid repetitive and boring tasks - free you up for better things to do

WinTask is simple to learn and use. In short, nearly all the repetitive tasks that you do daily, weekly, and monthly can be automated using WinTask. For example:

- Extract data from a website and insert them in a spreadsheet (addresses capture, ebay prices capture etc.)
- Mass data-entry and transfer from a Windows application to a website.
- Automate regression web testing or software testing.
- Check the availability of Web pages and measure their performance.
- Automate report execution and distribution.
- Automatically access websites to get the latest updates for virus protection.
- Send routine reports with attachments via email on a regular schedule - daily, weekly, monthly etc.
- Add “Macros” to any software that does not have a built-in Macro function.

Our customers have used WinTask in thousands of similar applications. See [Attachment 1](#) of this Quick Start Guide for many examples of how customers are using WinTask to automate their repetitive tasks.

This Quick Start Guide will get you started creating your own automation scripts in just a few minutes.

## How It Works

WinTask primarily works in an object-oriented record/playback mode. When you record a task, WinTask creates a Script that includes all the keystrokes, menu selections, clicks on links, and Web functions that you use to perform the task. To perform that task automatically, all you have to do is playback that Script. WinTask then replicates everything you did in performing that task.

To record a task:

1. Turn on the recording mode in WinTask.
2. Perform the task that you want to automate.
3. Turn off the recording mode, name the Script, and save the Script.

To perform a task:

1. Activate the Script.
2. WinTask will perform all the elements of the task.
3. WinTask will close the Script.

That's all there is to it. Also, you can schedule WinTask to perform tasks anytime that you prefer, even when you are not present.

WinTask is based upon a powerful language much like Visual Basic. Advanced users can modify Scripts and create new Scripts directly in this programming language. We have included a complete list of all the programming functions in [Attachment 2](#) so you can see that practically any repetitive task can be automated with WinTask.

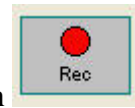
## Sample Tasks

Try these sample tasks:

## Sample Task 1.


This is an elementary task just to get you familiar with the record and playback functions. In this simple Script we will launch a demo page of our web site, click a link, enter data, and then exit. In this first sample, we will use *"Your first Script wizard"* which is displayed at WinTask startup.

1. Open WinTask, the *"Your first Script wizard"* window is displayed asking *"What kind of application do you want to automate?"*.
2. Check **Start a web site and Record actions** as we want to launch your browser and open the Web page [www.wintask.com/demos/index](http://www.wintask.com/demos/index). Press **Next** button.
3. In *"Give a name to your script"* next screen, type the name *"wintask-webexample1"* in field Type a name for your Script, and press **Next** button.
4. In *"Start a web site"* next screen, type *"www.wintask.com/demos/index"* in field as we want to launch this web site. Press **Next** button.



5. In *"Record your actions"* next screen, click the **Rec** icon to start recording your actions in your browser.
6. The main page of [www.wintask.com/demos](http://www.wintask.com/demos) opens and a small blinking icon appears in the right side of the bottom taskbar on your screen. This shows that WinTask is recording. The WinTask toolbar is also displayed.



7. Click the link *"Form"*.
8. The Form page loads. In *"Subject"* field (a listbox), select *"Web site"*. In *"Name"* field, type your name. Check the checkbox *"Urgent request"*. And click the **Clear** button at the bottom of the form.
9. Close the browser window by clicking the x at the top right of the browser window.
10. Stop recording by pressing the blinking WinTask icon at the bottom right of the taskbar or by clicking the first icon  in the WinTask toolbar.
11. The first Script wizard screen comes back, press **Next** button in *"Enhance the Script just recorded"* screen as we do not need for now to edit the script generated by Recording mode.



12. In *"Run your script"* next screen, click **Play** icon for replaying the script that you have just created.

To replay the script later, do the following :

1. Open WinTask.
2. Open the script.
3. Press the **Playback** button (Play icon in WinTask toolbar).

4. Compilation is done in the Output window, there should be no errors and script execution starts.

WinTask does all the rest!



## **Sample Task 2.**

Now that you are a bit more familiar with using WinTask, we will create a script that demonstrates more of WinTask's capabilities. Here is an example of accessing a website, clicking a link and downloading a file. In this case we will download a file from our website - [www.wintask.com/manuals](http://www.wintask.com/manuals).

You could use a Script like this one to download files and information you need on a regular basis from private and public websites.

1. Open WinTask, "*Your first Script wizard*" is displayed. Check **Don't show this wizard anymore** and press **Close** button. The main WinTask window is displayed with the title "*WinTask - (Untitled1)*". If the previous script is displayed in the WinTask window, select **File/New** to create a new script. If at any time, you prefer to use the Script wizard again, in WinTask Editor menu, select **Start/New script wizard**.



2. Press **Record** button (Rec icon  in WinTask toolbar).
3. A dialog box will appear asking "*What do you want to start before recording?*".
4. Check **Internet Explorer** and press **OK** button as we want to launch your browser and open a Web page.
5. The dialog box "*Launching Internet Explorer*" is displayed ; in field Web address, type the Web page that the browser must open : type "*www.wintask.com/manuals.php*" ; press **OK** button.
6. The page WinTask Manuals is now displayed within your browser and WinTask Recording mode is active.
7. On the Web page, click the link "*Tutorial*".
8. The document "tutorial.pdf" loads and is displayed.
9. Close the browser window.
10. Stop recording by pressing the blinking WinTask icon at the bottom right of the taskbar or by clicking the first icon  in the WinTask toolbar.
11. The WinTask main window comes back, select **File/Save as** to save the WinTask script in any folder you like (the default folder is \WinTask\scripts) with the name "*wintask-webexample2*".
12. In WinTask main window, press the **Play** icon in the toolbar.

To replay the script later, do the following:

1. Open WinTask.
2. Open the script.
3. Press the **Playback** button (Play icon in WinTask toolbar).
4. Compilation is done in the Output window, there should be no errors and script execution starts.

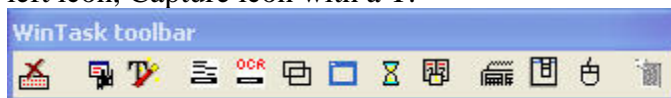
WinTask automatically downloads the Tutorial!


### **Sample Task 3.**

This example shows how you can copy information from one source and paste it into another program. In this case we will copy information from our demo website, [www.wintask.com/demos](http://www.wintask.com/demos), and paste it in Notepad.

You could use a Script like this one to capture information from various sources and combine them into one resource or program.

1. Open WinTask, the main WinTask window is displayed with the title "*WinTask - (Untitled1)*". If a previous script is opened, select **File/New**.
2. Press **Record** button (Rec icon in WinTask toolbar).
3. A dialog box will appear asking "*What do you want to start before recording?*".
4. Check **Internet Explorer** and press **OK** button as we want to launch your browser and open a Web page.
5. The dialog box "*Launching Internet Explorer*" is displayed ; in field Web address, type the Web page that the browser must open : type "*www.wintask.com/demos/index*" ; press **OK** button.
6. The WinTask Demonstration Pages page is now displayed within your browser.
7. In the WinTask toolbar which is displayed while you are recording, press the third left icon, Capture icon with a T.



8. Capture wizard screen is displayed and we will use the Spy tool in order to select and capture the content of one line.
9. Press **Spy** button; the mouse pointer changes its shape. Use the mouse to point on Web page the sentence starting at "Click the links as specified". Left click the mouse when the pointer is on that line (a black rectangle surrounds the line telling it is selected). Press **Next** button.
10. The "*Specify the HTML element where the data to be captured are*" dialog box is now displayed, it shows the text which will be captured at replay. Press **Next** button to accept.
11. The "*Take only some of the captured data*" dialog box is now displayed. As we want to extract all the captured data, press **Paste into the script** button.
12. Stop recording by pressing the blinking WinTask icon at the bottom right of the taskbar or by clicking the first icon  in the WinTask toolbar

13. WinTask main window comes back and you can see two more lines inserted in the script.
14. We will now use again the Recording mode in order to launch Notepad and paste the captured text within Notepad: Press **Record** button (Rec icon in WinTask toolbar).
15. A dialog box will appear asking "*What do you want to start before recording?*". Check **An application** and press **OK** button as we want to launch Notepad.
16. The dialog box "*Launching a program*" is displayed ; in Program field, type the word "*notepad*" and press **OK** button. If you are under a Windows x64 be sure to use the 32 bits version of notepad (click **Browse** button and select the notepad file which is in c:\windows\system32).
17. Notepad window is opened and Recording mode is active. Type "*The captured text is:* ".
18. In the Notepad window, select **File/Exit**. Do not save the document.
19. Close your browser window.
20. Stop recording by pressing the blinking WinTask icon at the bottom right of the taskbar or by clicking the first icon in the WinTask toolbar.
21. We have now to include the captured text: in WinTask window. Go to line:  
SendKeys("The captured text is: ")  
In this line, we have to add the captured text, which is in variable captured\_string\$, to the text we have typed. This is done by changing the line as below:  
SendKeys("The captured text is : "+captured\_string\$)
22. Press the **Play** icon in WinTask toolbar, save the WinTask script in any folder you like (the default folder is \WinTask\scripts) with the name "*wintask-webexample3*".

To replay the script later, do the following :

1. Open WinTask.
2. Open the script.
3. Press the **Playback** button (Play icon in WinTask toolbar).
4. Compilation is done in the Output window, there should be no errors and script execution starts.

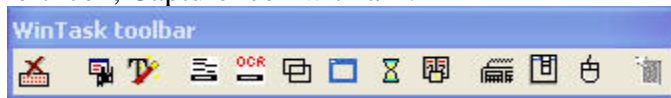
WinTask displays the captured paragraph within Notepad!

#### **Sample Task 4.**

This example shows how you can retrieve data from a Web page (from [www.wintask.com/demos/data.htm](http://www.wintask.com/demos/data.htm)) and store them in an Excel file (you will need Excel installed for this sample task).

1. Open WinTask, the main WinTask window is displayed with the title "*WinTask - (Untitled1)*". If a previous script is opened, select **File/New**.

2. Launch Excel and save an empty Excel file under the name "*c:\program files\wintask\scripts\data.xlsx*". If you use Excel 2003, save the empty Excel file under the name "*c:\program files\wintask\scripts\data.xls*". **Exit** Excel. Note that if you use a Windows x64, the wintask folder is under *c:\program files (x86)*.
3. Press **Record** button (Rec icon in WinTask toolbar).
4. A dialog box will appear asking "*What do you want to start before recording?*".
5. Check **Internet Explorer** and press **OK** button as we want to launch your browser and open a Web page.
6. The dialog box "*Launching Internet Explorer*" is displayed ; in field Web address, type the Web page that the browser must open : type "*www.wintask.com/demos/data.htm*" ; press **OK** button.
7. The Capture Data from a Web Table page loads.
8. In the WinTask toolbar which is displayed while you are recording, press the third left icon, Capture icon with a T.



9. Capture wizard screen is displayed and we will use the Spy tool in order to select and capture the content of the table.
10. Press **Spy** button; the mouse pointer changes its shape. Use the mouse to point on Web page the table starting at "Name". Left click the mouse when the pointer is on that table. Press **Next** button.
11. The "*Specify the HTML element where the data to be captured are*" dialog box is now displayed, it shows the text which will be captured at replay. Press **Next** button to accept.
12. The "*Take only some of the captured data*" dialog box is now displayed. Select the three columns in the table of the top. Press **Next** button.
13. The "*Specify where to copy the captured data*" dialog box is now displayed. As Excel is the default, just press **Next** button.
14. The "*Specify the Excel file where to copy the extracted data*" dialog box is now displayed. In the Excel file field, type "*c:\program files\wintask\scripts\data.xlsx*" (or "*c:\program files\wintask\scripts\data.xls*" if you use Excel 2003) . If you use a Windows x64, replace *c:\program files* by *c:\program files (x86)*. Press **Paste into the script** button.
15. The WinTask toolbar comes back, you are still in Recording mode. Close the Internet Explorer window.
16. Stop recording by pressing the blinking WinTask icon at the bottom right of the taskbar or by clicking the first icon in the WinTask toolbar.
17. Press the **Play** icon in WinTask toolbar. Save the WinTask script in any folder you like (the default folder is *\WinTask\scripts*) with the name "*wintask-webexample4*". Compilation is done in the Output window, there should be no errors and script execution starts.
18. Open the Excel file to check the captured data.

To replay the script later, do the following :

1. Open WinTask.
2. Open the script.
3. Press the **Playback** button (Play icon in WinTask toolbar).
4. Compilation is done in the Output window, there should be no errors and script execution starts.
5. Open the Excel file data.xls

The Excel file contains the captured Names, Emails and Phones!

These short Sample Tasks just touched on the surface of WinTask's capabilities. Try out WinTask on some of your repetitive tasks and see how easily it will automate these tasks.

## Assistance

As you test out WinTask you may have questions or want more detailed information. We recommend:

Use the Tutorial - It includes detailed instructions to help you use WinTask in your applications. If you did not download the Tutorial in Sample Task 2 earlier, you can download it at [www.wintask.com/manuals.php](http://www.wintask.com/manuals.php)

Contact us by email with your questions, [info@wintask.com](mailto:info@wintask.com). We would be pleased to assist you in any way possible.

If you need immediate help, use [www.wintask.com/support](http://www.wintask.com/support) or ask in WinTask's forum.

## Purchase WinTask

When you are ready to buy WinTask, simply navigate to [www.wintask.com/buy-wintask.php](http://www.wintask.com/buy-wintask.php) and complete the order form. We will promptly send you the complete WinTask program. Of course it comes with a 30-day guarantee of your satisfaction.

## **Attachment 1. How our customers are using WinTask.**

We asked our customers to tell us how they are using WinTask. Here are a few of the many replies.

*“The WinTask product is easy to use, performs as we expected and provides the functionality we require for automating test scripts. We are quite pleased with WinTask and have found it to be very useful with many of the repetitive tasks we need to perform as part of quality assurance testing. Here we used WinTask to extract a set of item numbers from an excel spreadsheet and then execute requests against our Inter/Intranet sites in order to ensure the sites were extracting information and responding to requests within a specified timeframe throughout the day.”*

*“Each institution has to build information having its systems as source. Then, they need to enter then in a browser form (!!!) manually. Super Wintask does the work. It reads the input file, generally in access, enters information and navigates though the browser, built a log, and at the end generates an input for other system.”*

*“I recorded a WinTask macro that automates my favourite searches on eBay and extracts prices from the results page.”*

*“I use WinTask to capture prices off webpages and "dump" them in a file or database. I use it too logging into websites with my password and place orders for products.”*

*“I am getting my script to: look at a spreadsheet, grab a url, paste it into internet explorer, grab a value from the webpage, paste the value into another spreadsheet. With the actual spreadsheet about 700 lines, I could easily automate this tedious task.”*

*“Now I can easily to collect the prices of 33 insurance companies in 20 towns for 5 client profiles: 3300 values every three months! A very impossible job without WinTask.”*

*“I have found WinTask particularly useful for website promotion. I use e-mail safe lists (spam free), FFA lists and Search engine submitters. WinTask easily allows me to log in, submit etc. and also perform other routine maintenance tasks. WinTask also saves me money because I don't need to buy the dedicated software that is available to do these tasks. At the moment I am saving about one and a half hours per day and I expect this saving to increase as I add more promotion services.”*

*“Our job is basically to navigate through customer pages and record data such as availability and response time. We enjoyed working with WinTask and had no trouble getting through the development process. Since the help subsystem is complete, we could develop easily our scripts.”*

*“I used WinTask on a small project we had where we needed to automate some data entry tasks on a system that had no macro language of its own. I wrote a basic script just by reading (briefly) a few of the help pages.”*

*“WinTask downloads 24 MorningStar Quicktake Reports and stores them in a MorningStar file on the D drive where I can access them with an Excel Macro. Before using WinTask, I had to download manually the 24 reports every week.”*

*“I’m using WinTask to automate my convenience store - every morning I have to go to a program called Ruby Manager and download sales to bring the data from the tills back to the PC. I set up a script to download the sales, export them to another program, and then print out the category report.”*

*“WinTask allows us to download a database with student information every morning at 5 AM at my school in Chicago.”*

*“I wrote a WinTask macro to control MS Explorer and to use arrow down to the next file, push F2 and rename the file, setting a number in the front of the filename and pushing enter.”*

*“I am using Wintask to avoid the boring task of running, every night, the Workspace Assistant of Tradestation, transferring the results into Excel workspaces, handle them to obtain series of recommendations for traders for next morning. The automation consists in running WA + Excel seven times per night, in total around two hours, with just one click.”*

## **Attachment 2. List of all the functions in WinTask that can be used to automate tasks.**

WinTask includes a powerful programming language similar to Visual Basic. We have listed all the functions in that language below with a brief description. You can see how comprehensive they are - practically any repetitive task can be accomplished.

When you use the Recording Mode, these functions are automatically generated by WinTask and compiled into a complete Script. Advanced users can modify or create Scripts directly in the programming language using these functions.

The functions marked with an asterisk are not available in WinTask Lite. WinTask Scheduler under XP/2003 is not available in WinTask Lite. WinTask Scheduler is not available under Vista, Windows 7 and Windows 2008, you can use the Vista, Windows 7, Windows 2008 Server built-in Scheduler.

### **Window management functions**

**#ActionTimeout** - Specifies the number of seconds that WinTask should wait before reporting an error

**#ExecuteDelay** - Inserts a wait for n ticks between every statement of the script

**#IgnoreErrors** - Manages errors

**#SendkeysDelay** - Slows down keystrokes

**#UseExact** - Controls the way WinTask sends its commands to the proper Window

**CheckedW\*** - Tells if the specified checkbox/radio button is checked or not

**ChooseItem** - Selects an item in a combobox or a listbox

**ChooseMenu** - Selects a menu item

**Click** - Clicks mouse on a button

**ClickMouse** - Clicks mouse button

**ClickOnBitmap** - Clicks mouse button on an image inside a window

**ClickOnText** - Clicks mouse button on a text inside a window

**ClickOnTextOCR\*** - Clicks mouse button on a text recognized by the OCR engine inside a window

**ClickScrollBar et WinScrollBar** - Scrolls inside a window

**ClickSpin** - Clicks a spin control

**CloseWindow** - Closes the specified window

**CloseWindowRegEx\*** - Closes the window whose name is specified by a Regular Expression

**CursorX, CursorY** - Returns the position of the cursor

**EnabledW** - Tests if the specified window is active and can receive actions

**ExistW** - Tells if the specified window exists

**Focus\$** - Returns window name which is in focus

**GetFocusWindowHandle** - Returns the handle of focused window

**GetTopWindowHandle** - Returns the handle of the window on top

**GetWindowHandle** - Returns the handle of specified window

**GetWindowName\$** - Returns the name of the window specified by its handle

**ListItem\$** - Returns the specified item in the listbox or combobox

**MaximizeWindow** - Maximizes the specified window

**MinimizeWindow** - Minimizes the specified window

**MouseShape** - Returns the mouse cursor shape as an integer

**MouseX , MouseY** - Returns the X,Y position of the mouse

**MoveMouse** - Moves the mouse to the specified X

**MoveWindow** - Moves the specified window  
**RestoreWindow** - Restores the specified window  
**SelectedItem\$\*** - Returns the item selected in the specified listbox or combobox  
**SendKeys** - Sends keystrokes to the window specified by the last UseWindow  
**SendKeysEncrypted\*** - Sends encrypted keystrokes to the window specified by the last UseWindow  
**SizeWindow** - Modifies the size of the specified window  
**Top\$** - Returns the name of the main window which has focus  
**TopInstance** - Returns the instance number of the main window in focus  
**UseWindow** - Specifies the window where the script will now send its keystrokes  
**UseWindowHandle** - Specifies the window (through the window handle) to which subsequent keyboard, mouse and menu actions are directed  
**UseWindowRegEx\*** - Using a Regular Expression, specifies the window where the script sends keys  
**WinScrollBar et ClickScrollBar** - Scrolls inside a window  
**WriteCombo** - Writes text in the edit zone of a listbox  
**WriteEdit** - Writes text in the specified edit zone  
**WriteEditEncrypted\*** - Writes encrypted text in the specified edit zone

### Capture functions

**#UsePageExact** - Controls the html pages finding method  
**Capture\$** - Captures the text in the specified window  
**CaptureArea\$** - Captures the text in the specified window area  
**CaptureAreaOCR\$\*** - Using OCR, captures the text in the specified window area  
**CaptureBitmap** - Captures an image and stores it in a .BMP file  
**CaptureHTML** - Captures the text of a specified html element  
**CaptureOCR\$\*** - Using OCR, captures the text in the specified window  
**CaptureTableHTML** - Captures a range of cells in a specified html table  
**CopyLink\*** - Copies the link associated with the specified html element into a string  
**GetHTMLEditText** - Captures the text of the specified html Edit element  
**HardCopy\*** - Saves a screenshot  
**UseOCREngine\*** - Specifies the OCR engine to use (WinTask or MODI OCR engine)

### Synchronization functions

**#ErrorCode\$\*** - Gives the error code for the error that triggered OnAction Error procedure  
**#ErrorFunction\$\*** - Gives the function where the error triggering OnAction Error procedure occurred  
**#ErrorLine\$** - Gives the script line where the timeout has occurred  
**#ErrorMsg\$\*** - Gives the error message for the error that triggered OnAction Error procedure  
**#ErrorScript\$\*** - Gives script name where the error triggering OnAction Error procedure occurred  
**#PauseTimeout** - Specifies the maximum delay for a Pause statement  
**#TextlookFrequency** - Defines the frequency of scrutation of window where texts are watched for  
**Disable\*** - Disables the management of a specified event  
**Enable\*** - Reactivates the management of a specified event  
**OnAction ... EndAction\*** - Manages events  
**OnAction Error ... EndAction\*** - Inserts and manages error events  
**Pause** - Waits for a specified amount of time  
**Pause ... Until** - Waits for an action  
**Sleep\*** - Makes the current script sleep whereas the events are still managed

### User dialog

**BeginDialog...EndDialog\*** - Defines a dialog box with its controls  
**CallDialog\*** - Displays a dialog box defined previously  
**Inputbox\$** - Displays a simple dialog box where the user can type a value  
**InputboxSecret\$\*** - Displays a simple dialog box where the user can type a hidden value  
**MsgBox** - Displays a Windows standard message box  
**MsgFrame** - Displays a message  
**MsgFrameTitle** - Displays a message with a title  
**RemoveFrame** - Removes the message displayed by MsgFrame  
**SelectDir\*** - Returns the name of the directory selected by the user in the standard Browse for Folder dialog  
**SelectFile\*** - Returns the name of the file selected by the user in the standard dialog box File Open  
**SelectMultipleFile\*** - Returns the name of the files selected in the standard dialog box File Open

### **File management functions**

**AppendXMLNode\*** - Adds a node in the specified XML file  
**ChDir** - Sets the current working directory  
**CloseExcelCom** - Closes the background Excel instance loaded by WriteExcel or ReadExcel  
**Create** - Creates a file  
**CreateExcelFile** - Creates an Excel worksheet  
**CreateUnicodeFile** - Creates a Unicode file  
**CurDir\$** - Returns the current working directory  
**DelTree** - Deletes all the files and sub-directories below the specified directory  
**Dir** - Puts file names from a directory into arrays  
**DiskFree** - Returns the available space on the specified resource  
**EnumXMLAttributes\*** - Retrieves the attribute names and values for the specified XML node  
**EnumXMLChildren\*** - Enumerates the child node descriptors for the specified XML node  
**Eof** - End of file  
**Exist** - Tells if specified file exists  
**ExistDir** - Checks for the existence of the specified directory  
**FileAttr\$** - Gives the attributes of the specified file  
**FileCopy** - Copies a file to an other file  
**FileDate\$** - Date of last modification of the specified file  
**FileSize** - Size of the specified file  
**FileTime\$** - Time of last modification of the specified file  
**FileVersion\$** - Version number of the specified file  
**GetReadPos** - Value of the reading pointer of the specified file  
**GetXMLAttribute\*** - Retrieves the content of an attribute in the specified XML file  
**Kill** - Deletes one or several files  
**MkDir** - Creates a directory  
**Name** - Renames or moves one or several files  
**Read** - Reads data from a file  
**ReadExcel** - Reads a range from an Excel workbook  
**ReadIni\$\*** - Reads a parameter in the specified INI file  
**RmDir** - Deletes a directory  
**SetAttr** - Sets the attributes of one or several files  
**SetReadPos** - Sets the reading pointer to the specified value  
**SetXMLAttribute\*** - Modifies or adds an attribute in the specified XML file  
**WinDir\$** - Returns the name of the directory where Windows is installed  
**Write** - Writes data in a file  
**WriteExcel** - Writes in an Excel workbook  
**WriteIni\*** - Writes to the specified INI file

## Flow control functions

**#ErrorLine\$** - Gives the script line where the timeout has occurred  
**#ExecTimeout** – Sets the maximum delay before stopping script execution  
**#ExecuteDelay** - Slows down a running script by inserting a wait for n ticks between every statement  
**#IgnoreErrors** - Manages errors  
**#LastErrorLine\*** - Gives the line number where the error triggering OnAction Error procedure occurred  
**#ScriptAfterTimeout\*** - Specifies the script to run after execution timeout has elapsed  
**Command\$** - Allows a calling script to use the parameters from the called script  
**End** - Stops the current running script  
**Function ... ExitFunction ... EndFunction** - Defines a function  
**Goto ou Go to** - Makes the execution of the script continue at another line  
**If ... Then ... Else ... Endif** - Decision making statement  
**Repeat ... until ...** - Loop with test at the end of the loop  
**Run** - Launches a compiled script as a sub-program  
**Select Case ... EndSelect** - Multiple decision making statement  
**Shell** - Executes a program (.exe, .com, .bat, .doc, .txt, ...)  
**Stop** - Stops all the scripts  
**Sub ... Exitsub ... EndSub** - Defines a procedure  
**While ... Wend** - Loop statement with test at the beginning

## String management functions

**Asc** - Returns the numeric ASCII code of the first character in a specified string  
**Chr\$** - Converts an ASCII value in its equivalent ASCII character  
**Encrypt\*** - Encrypts the specified string  
**ExtractBetween\$** - Extracts a string between two strings  
**Instr** - Returns the position of one string within another  
**InstrRev** - Returns the position of one string within another, searching backward through the string  
**Lcase\$** - Converts all uppercase characters in the specified string to lowercase  
**Left\$** - Extracts the specified number of characters from the left hand portion of the specified string  
**Len** - Returns the length of the specified string  
**Ltrim\$** - Returns the specified string minus its leading spaces and tabulations  
**Mid\$** - Retrieves a substring from the specified string  
**Replace\$** - Finds and replaces some or all occurrences of a substring within the specified string  
**Right\$** - Returns the rightmost portion of the specified string for the numbers of characters specified  
**Rtrim\$** - Returns the specified string minus its trailing spaces and tabulations  
**SplitIntoArray** – Converts the specified string into an array of strings  
**Str\$** - Transforms the specified numeric value in a string  
**Trim\$** - Returns the specified string minus its trailing spaces and leading spaces  
**Ucase\$** - Converts all lowercase characters in the specified string to uppercase  
**Val** - Returns the numeric value of a string

## Date/time functions

**Date\$** - Returns the current date  
**DateBetween\$** - Returns the number of specified time intervals between two dates  
**DateToDate\$** - Returns a new datetime based on adding an interval to the specified date  
**Day\$** - Returns the current day number within the current month  
**Hour\$** - Returns the current hour as a two-character string

**Hundreds\$** - Returns hundredth seconds of system time as an integer from 0 to 99  
**Min\$** - Returns the minutes of the current hour as a two character string  
**Month\$** - Number of the current month as a string  
**Sec\$** - Returns the seconds of the current hour as a two character string  
**Time\$** - Returns the system clock as a string  
**WeekDay** - Returns the current day of the week  
**Year\$** - Returns the current year as a string

## System functions

**#HideIcon** - Hides the WinTask icon in the taskbar  
**#HideTrayIcon** - Hides the WinTask icon in the system tray  
**#IgnoreErrors** - Manages errors  
**Allocate\*** - Reserves a memory area for data used by external DLL  
**Beep** - Forces the PC to emit a sound through the PC speaker  
**CapsLock** - Forces the capslock key to the specified state  
**ChDir** - Specifies the current working directory  
**Curdir\$** - Returns the current working directory  
**DeleteRegKey\*** - Deletes the specified key in Registry  
**DeleteRegValue\*** - Deletes a value in Registry  
**Dir** - Puts in arrays all or some files present in a directory  
**DirTree** - Puts file names and directory names into arrays  
**DiskFree** - Returns the available space on the specified resource  
**Envir\$** - Returns the value of an environment variable  
**ExecExcelMacro** - Executes an Excel macro in the specified Excel book  
**Exist** - Checks for the existence of the specified file  
**External\*** - Calls an external DLL  
**External\$\*** - Calls a Windows DLL  
**GetCpuLoad\*** - Returns the CPU load percentage  
**GetMemUsage\*** - Returns the memory used percentage  
**GetProcessCpuLoad\*** - Returns the CPU percentage used by a process  
**GetProcessList\*** - Gives the list of active process and their attributes  
**GetWindowsList\*** - Gives the list of parent window names present on desktop  
**ImpersonateUser\*** - Allows WinTask to acquire additional rights  
**IsRunning** - Tells whether a program is loaded in memory or not  
**KillApp\*** - Kills the specified application  
**KillAppChildren\*** - Kills the specified application and its associated children  
**KillProcess\*** - Kills the specified process  
**LockKbd** - Locks the keyboard  
**LockMouse** - Locks the mouse  
**MkDir** - Creates a directory  
**NumLock** - Forces the numlock key to the specified state  
**OsVersion\$** - Returns Windows version  
**PeekInteger\*** - Reads one or several bytes in memory and returns an integer  
**PeekString\$\*** - Reads a string in memory  
**PokeInteger\*** - Writes in memory a value of type integer or Unsigned  
**PokeString\*** - Writes in memory a string  
**Random** - Returns a random integer  
**ReadIni\$\*** - Reads a parameter in the specified .INI file  
**ReadReg\*** - Reads an integer or a string from Registry  
**Reboot** - Reboots the PC or Windows  
**RevertToSelf\*** - Cancels an impersonation made previously by ImpersonateUser  
**Rmdir** - Deletes a directory

**SendEmail\*** – Sends an email using the SMTP outgoing mail server defined in WinTask Scheduler  
**Shell** - Executes a program  
**ShellWait** - Executes a program (.exe, .com, .bat, .doc, .txt, ...) and waits for its termination before running next statement  
**UnlockKbd** - Unlocks the keyboard  
**UnlockMouse** - Unlocks the mouse  
**WinDir\$** - Returns the directory where Windows is installed  
**WriteIni\*** - Writes in the specified .INI file  
**WriteReg\*** - Creates or modifies a string or numeric value in Registry

### Clipboard and log functions

**#Current line** - Returns the current executed line in the script  
**Comment\*** - Writes a comment in the log file  
**GetClipboard\$** - Returns the text contained in Clipboard  
**LogFile\*** - Forces the script to log its actions in the specified logfile  
**SetClipboard** - Puts the specified string into the Clipboard  
**StopLog\*** - Stops recording in the logfile

### Compilation

**Dim** - Defines an array  
**Include** - Includes the specified source file in the current script  
**Local** - Defines a local variable  
**Rem** - Inserts a comment  
**Unsigned** - Defines an Unsigned variable

### Com port management \* functions

**CloseCom\*** - Closes the specified com port  
**OpenCom\*** - Opens the specified com port  
**ReadCom\*** - Reads the data in com port buffer  
**WriteCom\*** - Writes data in the com port buffer

### Services management \*

**IsServiceStarted\*** - Tells if the specified service is started or not  
**StartService\*** - Starts the specified service  
**StopService\*** - Stops the specified service

### Web functions

**#HTMLPosRetry** - Controls the way HTML element coordinates are found  
**#IgnoreHTMLCase** – Enables/disables character case in HTML descriptors  
**#UsePageExact** - Controls the html pages finding method  
**CaptureHTML** - Captures the text of a specified html element  
**CaptureIE\$** - Captures in text mode what appears in a HTML window  
**CaptureTableHTML** - Captures a range of cells in a specified html table

**CheckedHTML\*** – Gives the check state of an HTML check box or radio button  
**ClickHTMLElement** - Clicks the specified html element in the current page  
**CloseBrowser** - Closes the opened instance of Internet Explorer browser  
**CopyLink\*** - Copies the link associated with the specified html element into a string  
**CurrentPage\$** - Gives the title of the current Web page  
**ExistHTMLElement\*** – Checks for the existence of the specified html element  
**ExtractLink\*** - Returns all the links of the child elements of the specified html element  
**GetFrameSource\$\*** - Returns the source code of the specified frame in the current Web page  
**GetHTMLEditText** – Captures the content of an html Edit field within a Web form  
**GetPageSource\$\*** - Returns the source of the current Web page  
**ListHTMLItem\$** - Returns the specified item from the specified html listbox or combobox  
**Navigate** - Navigates to the specified url  
**OverHTMLElement** – Moves the mouse over the specified html element  
**SavePictureAs** – Saves an html element referring to a picture  
**SaveTargetAs** – Simulates a right click on an html element and selection of Save Target As option  
**SelectedHTMLItem\$\*** - Returns the item selected in the specified combobox/listbox html element  
**SelectHTMLItem** - Fills Combobox/Listbox in the current Web page  
**StartBrowser** - Starts Internet Explorer browser  
**UsePage** - Specifies the html page used by web functions  
**WriteHTML** – Types a string in a html edit zone  
**WriteHTMLEncrypted\*** - Types an encrypted string in a html edit zone  
**WriteHTMLPaste** – Pastes a string in a html edit zone

### **FTP functions**

**#FTPTimeout** - Specifies the number of seconds which WinTask should wait before reporting a runtime error when it tries to execute a FTP function  
**FTPChDir** - Specifies the new FTP current folder  
**FTPConnect** - Makes a connection to the specified FTP server  
**FTPCurrentDir** - Returns the FTP current folder  
**FTPDisconnect** - Terminates the connection to a FTP server  
**FTPExistDir** - Checks if the specified FTP folder exists or not  
**FTPExistFile** - Checks if the specified FTP file exists or not  
**FTPGetFile** - Downloads one or several files to the local PC from the FTP server  
**FTPKill** - Deletes one or several files from the FTP server  
**FTPMkDir** – Creates a folder on the FTP server  
**FTPName** - Renames one or several files in the FTP server  
**FTPPutFile** - Uploads one or several files from the local PC to a FTP folder  
**FTPRmdir** - Deletes a folder and its contents on the FTP server

### **Real calculation functions**

**#DecimalSeparator** - Specifies the decimal separator character used for floating point numbers  
**#Precision** - Specifies the number of decimal places for floating point calculation functions  
**Add\$** - Adds two strings representing floating point numbers  
**Divide\$** - Divides two strings representing floating point numbers  
**Multiply\$** - Multiplies two strings representing floating point numbers  
**Subtract\$** - Subtracts two strings representing floating point numbers

## **Response time\* functions**

**ResetTimer\*** - Resets the specified clock

**StartTimer\*** - Starts the specified clock

**StopTimer\*** - Stops the specified clock

**Timer\*** - Returns the value of the specified clock

## **ODBC\* functions**

**#DbDateFormat\*** - Controls the date fields format

**DbBof\*** - Tells if recordset contains no records

**DbClose\*** - Closes the recordset

**DbConnect\*** - Establishes the data source connection through the odbc driver

**DbDisconnect\*** - Closes the data source connection

**DbEof\*** - Tells if pointer is at the end of the recordset

**DbExecute\*** - Executes a sql command on the opened data source

**DbGetFieldNumeric\*** - Retrieves the value of a numeric field in a recordset

**DbGetfieldString\*** - Retrieves the value of a string field in a recordset

**DbMove\*** - Moves the current record pointer within the recordset at specified position

**DbMoveFirst\*** - Positions the current record on the first record in the recordset

**DbMoveLast\*** - Positions the current record on the last record in the recordset

**DbMoveNext\*** - Positions the current record on the next record in the recordset

**DbMovePrev\*** - Positions the current record on the previous record in the recordset

**DbRecordCount\*** - Returns the number of records in the recordset

**DbSelect\*** - Fills the recordset by retrieving in the table the records matching the sql query