

WSH Shell : Présentation générale

Soumis par Gilles LAURENT
09-03-2007
Dernière mise à jour : 03-10-2007

Aperçu des fonctionnalités de la console WSH Shell
Présentation générale de la console Microsoft (R) Windows Script Host Version 5.6
Copyright (C) Microsoft Corporation 1996-2001. Tous droits réservés.

```

_ _ _ _ _ _ _ _ _ _
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

```

Windows Script Host (WSH) Shell v1.0.0.5 starting ...

Registering components ...

Loading external modules ...

Loading _wshAdsi.inc ...

Loading _wshIni.inc ...

Loading _wshWmi.inc ...

Welcome ...

It's 03/10/2007 13:45:15 and WSH Shell is up !

Ready.

WSH D:\Test> ' la console instancie automatiquement la classe WSHShell

WSH D:\Test> ' cette classe est disponible via l'objet shell

WSH D:\Test> WScript.Echo TypeName(shell)

WSHShell

WSH D:\Test> ' cet objet possède des propriétés et des méthodes

WSH D:\Test> ' il est possible d'afficher les membres en faisant appel

WSH D:\Test> ' à la méthode GetMembers

WSH D:\Test> shell.GetMembers(shell)

Category Name

Function ArrayToString (arrInputArray)

Function CreateObjectWithConstants (strProgID)

Function DownloadString (strUrl, arrRetCode)

Sub FormatTable (arrTableContent, strSortCtrl, strFilterCtrl, strColumn...

Sub GetAlias (strAlias)

Sub GetConstants (Object)

Function GetFileContent (strFilename)

Sub GetMembers (Object)

Sub Include (strFilename)

Function Match (strString, strPattern)

Sub SetAlias (strAlias, strCommand)

Function SortArray (arrInputArray)

Sub StartShell ()

Sub StopShell ()

Function StringToArray (strInputString)

Property bDebug

Property hWnd

Property Name

Property nTableColumnWidth

Property Path

Property Pid

Property strDelims

Property strTableFieldSep

Property Tid

Property Version

```

WSH D:\Test> ' dans le but d'accélérer la saisie des commandes, la console
WSH D:\Test> ' supporte la définition d'alias
WSH D:\Test> ' affichage des alias définis par défaut
WSH D:\Test> shell.GetAlias "*"

```

Alias	Definition
----	-----
%	For Each
@	Shell.StringToArray
\\$	Shell.ArrayToString
{	`
}	Next
co	Shell.CreateObjectWithConstants
echo	WScript.Echo
foreach	For Each
ft	Shell.FormatTable
ga	Shell.GetAlias
gc	Shell.GetConstants
gfc	Shell.GetFileContent
gm	Shell.GetMembers
go	GetObject
quit	Shell.StopShell
sa	Shell.SetAlias
write	WScript.StdOut.Write

```

WSH D:\Test> ' il est donc possible d'écrire la commande suivante
WSH D:\Test> Set oFs=co("Scripting.FileSystemObject")
WSH D:\Test> gm(oFs)

```

Category	Name
-----	----
Function	BuildPath (Path, Name)
Sub	CopyFile (Source, Destination, [OverWriteFiles])
Sub	CopyFolder (Source, Destination, [OverWriteFiles])
Function	CreateFolder (Path)
Function	CreateTextFile (FileName, [Overwrite], [Unicode])
Sub	DeleteFile (FileSpec, [Force])
Sub	DeleteFolder (FolderSpec, [Force])
Function	DriveExists (DriveSpec)
Function	FileExists (FileSpec)
Function	FolderExists (FolderSpec)
Function	GetAbsolutePathName (Path)
Function	GetBaseName (Path)
Function	GetDrive (DriveSpec)
Function	GetDriveName (Path)
Function	GetExtensionName (Path)
Function	GetFile (FilePath)
Function	GetFileName (Path)
Function	GetFileVersion (FileName)
Function	GetFolder (FolderPath)
Function	GetParentFolderName (Path)
Function	GetSpecialFolder (SpecialFolder)
Function	GetStandardStream (StandardStreamType, [Unicode])
Function	GetTempName ()
Sub	MoveFile (Source, Destination)
Sub	MoveFolder (Source, Destination)
Function	OpenTextFile (FileName, [IOMode], [Create], [Format])
Property	Drives

```

WSH D:\Test> ' les constantes sont automatiquement importées
WSH D:\Test> echo ForReading
1
WSH D:\Test> ' la saisie des blocs de commandes peut se faire de plusieurs
WSH D:\Test> ' manières.
WSH D:\Test> ' la méthode classique 'multilignes' :

```

```
WSH D:\Test> For i=1 To 5 `
>> write i & " "
>> Next
>>
1 2 3 4 5
WSH D:\Test> ' la première ligne d'un bloc se termine obligatoirement par
WSH D:\Test> ' le caractère "". Le bloc de commandes est exécuté après la
WSH D:\Test> ' première ligne vide rencontrée
WSH D:\Test> ' en utilisant les alias :
WSH D:\Test> For i=1 To 5 {
>> write i & " "
>> }
>>
1 2 3 4 5
WSH D:\Test> ' une autre méthode consiste à utiliser le caractère de séparation
WSH D:\Test> ' des commandes ":". Un avantage de cette technique est de
WSH D:\Test> ' faciliter le rappel de commande et ainsi d'être en mesure de
WSH D:\Test> ' rejouer le bloc plus facilement via le support Doskey :
WSH D:\Test> For i=1 To 5: write i & " ": Next
1 2 3 4 5
WSH D:\Test> ' la console permet de simplifier quelques actions
WSH D:\Test> ' par exemple la mise en page sous forme de tableau
WSH D:\Test> Dim arrUsers(5)
WSH D:\Test> ' définition des colonnes
WSH D:\Test> arrUsers(0)="Lastname|Firstname|Age|Country"
WSH D:\Test> ' alimentation du tableau
WSH D:\Test> arrUsers(1)="Doe|John|36|USA"
WSH D:\Test> arrUsers(2)="Smith|Bob|18|Canada"
WSH D:\Test> arrUsers(3)="Dupont|Marc|24|France"
WSH D:\Test> arrUsers(4)="Eliot|Billy|25|United Kingdom"
WSH D:\Test> arrUsers(5)="Laurent|Gilles|36|France"
WSH D:\Test> ' définition du séparateur de colonnes
WSH D:\Test> shell.strTableFieldSep="|"
WSH D:\Test> ' affichage des données
WSH D:\Test> ' utilisation de la méthode FormatTable (alias ft)
WSH D:\Test> ft arrUsers,"", "", "*"

```

Lastname Firstname Age Country

```
-----
Doe    John    36  USA
Smith  Bob     18  Canada
Dupont Marc    24  France
Eliot  Billy    25  United Kingdom
Laurent Gilles 36  France
```

WSH D:\Test> ' il est possible de trier les colonnes

WSH D:\Test> ft arrUsers,"Lastname", "", "*"

Lastname Firstname Age Country

```
-----
Doe    John    36  USA
Dupont Marc    24  France
Eliot  Billy    25  United Kingdom
Laurent Gilles 36  France
Smith  Bob     18  Canada
```

WSH D:\Test> ft arrUsers,"Age Desc", "", "*"

Lastname Firstname Age Country

```
-----
Laurent Gilles 36  France
Doe    John    36  USA
Eliot  Billy    25  United Kingdom
Dupont Marc    24  France
Smith  Bob     18  Canada
```

```
WSH D:\Test> ' pour obtenir de l'aide sur les méthodes et propriétés ainsi
WSH D:\Test> ' que sur les fonctions builtin
WSH D:\Test> _gethelp
```

Name	Category	Synopsis
----	-----	-----
_break	builtin	Aborts the current statement, like CTRL/...
_cleanlss	builtin	Deletes all defined (Dim'ed) variables s...
_gethelp	builtin	Provides help and usage information abou...
_loadhistory	builtin	Loads console command history from a fil...
_more	builtin	Displays one screen of output at a time.
_nomore	builtin	Enables automatic page scrolling.
_nowrap	builtin	Disables automatic line wrapping. The ou...
_savehistory	builtin	Saves console command history to a file.
_screensnap	builtin	Takes a console screen buffer snapshot a...
_starttranscript	builtin	Starts a new transcript. All input and o...
_stoptranscript	builtin	Stops and closes the currently started t...
_wrap	builtin	Enables automatic line wrapping. The out...
ArrayToString	Function	Combines substrings (elements) of an arr...
bDebug	Property	Enables or disables the internal debug m...
CreateObjectWithConstants	Function	Creates and returns a reference to an Au...
DownloadString	Function	Opens an HTTP connection to a server at ...
FormatTable	Sub	Takes a data array on input and formats ...
GetAlias	Sub	Returns a list of your WSH Shell aliases.
GetConstants	Sub	Returns the constants defined for the sp...
GetFileContent	Function	Puts a file content into an array of lin...
GetMembers	Sub	Gets the members (methods and properties...
hWnd	Property	The WSH Shell console window handle.
Include	Sub	Loads and execute a VBScript file in the...
Match	Function	Determines whether the search pattern oc...
Name	Property	The WSH Shell name (aka 'Windows Script ...
nTableColumnWidth	Property	Defines the maximum width of a table for...
Path	Property	Returns the full path from which the cur...
Pid	Property	Returns the WSH Shell console Process Id.
SetAlias	Sub	Creates or changes an alias (alternate n...
SortArray	Function	Takes a strings array on input and retur...
StartShell	Sub	Starts the Windows Script Host (WSH) She...
StopShell	Sub	Stops the Windows Script Host (WSH) Shel...
strDelims	Property	Gets or sets the array/string delimiter....
StringToArray	Function	Takes a string value on input and return...
strTableFieldSep	Property	Specifies the field/column separator. Us...
Tid	Property	Returns the WSH Shell console Thread Id.
Version	Property	Returns the WSH Shell current release ve...
wshAdsi	HelpFile	WSH Adsi Methods and Properties
wshCmdLine	HelpFile	WSH Command Line Parameters
wshIni	HelpFile	WSH Ini Methods and Properties
wshShell	HelpFile	WSH Shell Methods and Properties
wshWmi	HelpFile	WSH Wmi Methods and Properties

```
WSH D:\Test> ' Enjoy !
WSH D:\Test>
```