

VBScript Quick Reference

Display Output

DISPLAY TO STANDARD OUTPUT

```
Wscript.Echo "Display this text"
```

DISPLAY TO MESSAGE BOX

```
MsgBox("Prompt", vbOKCancel, "Title")
```

DISPLAY TO POPUP DIALOG BOX

```
WshShell.Popup("Message", 5, "Title", 1)  
5: number of seconds to display popup box  
1: displays the OK and Cancel buttons
```

FileSystemObject

OPEN TEXT FILE FOR READING

```
Const ForReading = 1  
  
Set objFSO = CreateObject _  
("Scripting.FileSystemObject")  
Set objTextFile = objFSO.OpenTextFile _  
("c:\scripts\servers.txt", ForReading)
```

OPEN TEXT FILE FOR WRITING

```
Const ForWriting = 2  
  
Set objFSO = CreateObject _  
("Scripting.FileSystemObject")  
Set objTextFile = objFSO.OpenTextFile _  
("c:\scripts\servers.txt", ForWriting)
```

HTML Applications

HTA SECTION

```
<head>  
<title>HTA Test</title>  
<HTA:APPLICATION  
APPLICATIONNAME="HTA Test"  
SCROLL="yes" SINGLEINSTANCE="yes"  
WINDOWSTATE="maximize" >  
</head>
```

SCRIPT SECTION

```
<script language="VBScript">  
Sub window_OnLoad  
' Script to run on startup  
End Sub  
Sub TestSub  
' Script code goes here  
End Sub  
</script>
```

HTML SECTION

```
<body> <input type="button"  
value="Run Script"  
name="run_button"  
onClick="TestSub">  
</body>
```

Dictionary Object

CREATE DICTIONARY OBJECT

```
Set objDictionary = _  
CreateObject("Scripting.Dictionary")
```

POPULATE DICTIONARY OBJECT

```
objDictionary.Add key, item
```

VBScript Quick Reference

Error Handling

IGNORE RUNTIME ERRORS

```
On Error Resume Next
```

FORCE VARIABLE DECLARATION

```
Option Explicit
```

CHECK FOR AN ERROR

```
If Err.Number Then  
' an error occurred  
End If
```

CLEAR THE ERROR CACHE

```
Err.Clear  
(execute this statement each  
time you check the Err object)
```

WMI

COMPUTER VARIABLE (local computer)

```
strComputer = "."
```

CONNECT TO WMI

```
Set objWMIService = GetObject("winmgmts:\\" & strComputer & "\root\cimv2")
```

QUERY: RETRIEVE ALL PROCESSES

```
Set colProcessList = objWMIService.ExecQuery("Select * from Win32_Process")
```

QUERY: RETRIEVE ALL SERVICES

```
Set colServiceList = objWMIService.ExecQuery("Select * from Win32_Service")
```

ADSI

COMPUTER VARIABLE (local computer)

```
strComputer = "localhost"
```

RETRIEVE AN OU

```
Set objOU = GetObject("LDAP://ou=finance,dc=fabrikam,dc=com")
```

RETRIEVE A USER ACCOUNT

```
Set objUser = GetObject("LDAP://cn=ken myer, ou=Finance, dc=fabrikam, dc=com")
```

BIND TO THE LOCAL COMPUTER

```
Set colAccounts = GetObject("WinNT://" & strComputer)
```

VBScript Quick Reference

Search Active Directory

```

On Error Resume Next

Const ADS_SCOPE_ONELEVEL = 1

Set objConnection = CreateObject("ADODB.Connection")
Set objCommand = CreateObject("ADODB.Command")
objConnection.Provider = "ADsDSOObject"
objConnection.Open "Active Directory Provider"
Set objCommand.ActiveConnection = objConnection

objCommand.Properties("Page Size") = 1000
objCommand.Properties("Searchscope") = ADS_SCOPE_ONELEVEL

objCommand.CommandText = _
    "SELECT Name FROM 'LDAP://OU=finance,dc=fabrikam,dc=com'"
Set objRecordSet = objCommand.Execute
    
```

Microsoft Office

EXCEL

```

Set objExcel = CreateObject("Excel.Application")
objExcel.Visible = True
Set objWorkbook = objExcel.Workbooks.Add
    
```

WORD

```

Set objWord = CreateObject("Word.Application")
objWord.Visible = True
Set objDoc = objWord.Documents.Open("c:\scripts\test.doc")
    
```

ACCESS

```

Set objAccess = CreateObject("Access.Application")
objAccess.OpenCurrentDatabase "C:\Scripts\Test.mdb"
    
```

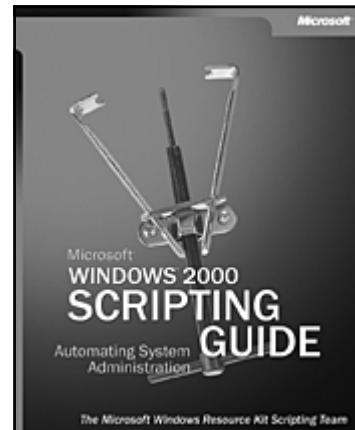
OUTLOOK

```

Set objOutlook = CreateObject("Outlook.Application")
Set objNamespace = objOutlook.GetNamespace("MAPI")
    
```

Learn more about scripting from the *Microsoft Windows 2000 Scripting Guide*, available online (and yes, despite the title most of the concepts apply to later versions of Windows too):

<http://www.microsoft.com/technet/scriptcenter/guide>



VBScript Quick Reference

VBScript Syntax

CONDITIONAL STATEMENTS

<u>If Then</u>	<u>Select Case</u>
If x = 4 Then	Select Case x
...	Case 1
Elseif x = 5	...
Then	Case 2
...	...
Else	Case Else
...	...
End If	End Select

ARRAYS

```

arrItems =
Array("a","b","c")

Dim arr(2)
arr(0) = 20
arr(1) = 30

ReDim Preserve arr(3)
arr(2) = 40
    
```

LOOPS

<u>For Loops</u>	<u>Do Loops</u>
For Each x in arr	Do Until x > 5
...	...
Next	Loop
For i = 1 to 10	Do While x < 5
...	...
Next	Loop
	Do
	...
<u>While Loops</u>	Loop Until x > 5
While x < 5	Do
...	...
Wend	Loop While x < 5

FUNCTIONS AND SUBROUTINES

<u>Function</u>	<u>Subroutine</u>
Function TestFunc	Sub TestSub
...	...
TestFunc = 10	End Sub
End Function	

Run Scripts

SEND OUTPUT TO COMMAND WINDOW

```
C:\> cscript test.vbs
```

SET DEFAULT TO CSCRYPT

```
C:\> cscript //H:cscript
```

SEND OUTPUT TO MESSAGE BOX

```
C:\> wscript test.vbs
```

SET DEFAULT TO WSCRIPT

```
C:\> cscript //H:wscript
```