

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
```

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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)
```

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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
```

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>



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")
```

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VBScript Syntax

CONDITIONAL STATEMENTS

If Then

```
If x = 4 Then
...
Elseif x = 5
Then
...
Else
...
End If
```

Select Case

```
Select Case x
Case 1
...
Case 2
...
Case Else
...
End Select
```

LOOPS

For Loops

```
For Each x in arr
...
Next

For i = 1 to 10
...
Next
```

Do Loops

```
Do Until x > 5
...
Loop

Do While x < 5
...
Loop

Do
...
Loop Until x > 5

Do
...
Loop While x < 5
```

While Loops

```
While x < 5
...
Wend
```

ARRAYS

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

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

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

FUNCTIONS AND SUBROUTINES

Function

```
Function TestFunc
...
TestFunc = 10
End Function
```

Subroutine

```
Sub TestSub
...
End Sub
```

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
```