



Programming the MindTouch API with VBScript

Here is a sample script (thanks to [JGable](#)) which you can use to add content to the wiki with VBScript.

Save the attached file as upload.vbs and run it like so:

```
cscript upload.vbs /user:foo /pw:bar /server:my.wik.is /path:"Page/Path" /pagename:New
/title:"New title"
/pagefile:mypage.html image1.gif image2.gif

' This file's extension should be changed to vbs before use
option explicit
' This vbscript uploads pages and files to Deki

' Syntax: cscript upload.vbs <parameters>
' most parameters are passed as named values like this /user:jgable
' only values you want to override the default need to be passed.
' Any unnamed parameters are images or documents that should be uploaded as attachments
to the desired page.

dim user, pw, server, path, pagename, title, pagefile
dim cookiedata, fso, readtmp, datafile, upldFile

' set the default values
user      = ""
pw       = ""
server    = "wiki.developer.mindtouch.com"
path     = "User:Jgable/test"
pagename = "uploaded"
title    = "Uploaded File"
pagefile = "test.html"

' override the default value with the named arguments
if wscript.Arguments.Named.Exists("user") then user =
wscript.Arguments.Named.Item("user")
if wscript.Arguments.Named.Exists("pw") then pw = wscript.Arguments.Named.Item("pw")
if wscript.Arguments.Named.Exists("server") then server =
wscript.Arguments.Named.Item("server")
if wscript.Arguments.Named.Exists("path") then path =
wscript.Arguments.Named.Item("path")
if wscript.Arguments.Named.Exists("pagename") then pagename =
wscript.Arguments.Named.Item("pagename")
if wscript.Arguments.Named.Exists("title") then title =
```

```

wscript.Arguments.Named.Item("title")
if wscript.Arguments.Named.Exists("pagefile") then html =
wscript.Arguments.Named.Item("pagefile")

' log into deki
cookiedata = login(user, pw, server)

'upload the page if one is presented for upload
if pagefile <> "" then
    uploadPage cookiedata, server, path, pagename, title, pagefile
end if

' upload all the files passed as unnamed arguments
For Each upldFile in WScript.Arguments.unnamed
    uploadFile cookiedata, server, path, pagename, title, upldFile
Next

'

#####
' Start of Functions and subs
'
#####

' create a timestamp
function editTime ()
    dim rightnow
    rightnow = now()
    editTime = right("0000" & Year(rightnow),4) & _
        right("00" & month(rightnow),2) & _
        right("00" & day(rightnow),2) & _
        right("00" & hour(rightnow),2) & _
        right("00" & minute(rightnow),2) & _
        right("00" & second(rightnow),2)
end function

'

#####
' This will URI Encode the value sent to it
Function URIEncode(Text)
    Dim X, buffer, Char, Temp, Charset

    Charset = "abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789"

    Text = Replace(Text, " ", "%")
    Text = Trim(Text)

    For X = 1 To Len(Text)
        Char = Mid(Text, X, 1)
        If InStr(1, Charset, Char) < 1 Then
            Temp = Trim(Hex(Asc(Char)))
            buffer = buffer & "%" & UCase(Temp)
        Else

```

```

        buffer = buffer & Char
    End If
Next
URIEncode = buffer
End Function

'

#####
' This function reads a file as binary and returns its contents
function readfile(filename)
    dim inStream
    const adTypeText=2
    const adTypeBinary=1
    set inStream=WScript.CreateObject("ADODB.Stream")
    inStream.Open
    inStream.type=adTypeBinary
    inStream.LoadFromFile(filename)
    readfile=inStream.Read()
    inStream.Close()
end function

'

#####
' this function logs you into deki or exits script with an errorcode of 1
function login (username, password, dekiserver)
    dim message, xmlreq
    ' Create the authentication message
    message = "http://" & userName & ":" & password & "@" & dekiServer & "/api/deki/
users/authenticate"
    ' Create an xmlhttp object:
    set xmlreq = CreateObject("MSXML2.XMLHTTP")
    ' Opens the connection to the remote server.
    xmlreq.Open "POST", message, False
    'Actually Sends the request and returns the data:
    xmlreq.send()

    ' See if this was successful
    if xmlreq.status = 200 then
        login = xmlreq.responseText
        wscript.echo "200 Authentication successful."
    else
        wscript.echo ""
        wscript.echo "
"#####
        wscript.echo "  ERROR: Setting cookie failed for the following reason:"
        wscript.echo "          Code " &xmlreq.status & " = " & xmlreq.StatusText
        wscript.echo "
"#####
        wscript.quit(1)
    end if

    ' Clear the object we created
    set xmlreq = nothing
end function

```

```

#####
' upload the page
sub uploadPage(cookiedata, server, path, pagename, title, filename)
    dim params, pathpage, xmlreq, pagecontents

    ' get the page file
    pagecontents = readfile(filename)

    ' put the path and pagename together
    if right(path, 1) = "/" then
        pathpage = path & pagename
    else
        pathpage = path & "/" & pagename
    end if

    'double encode the pathpage
    pathpage = URIEncode(pathpage)
    pathpage = URIEncode(pathpage)

    ' Encode the title in case it has special characters
    title = URIEncode(title)

    ' Set the parameters that we will pass
    params = "editTime=" & editTime & "&title=" & title & "&abort=never"

    ' create the object
    set xmlreq = CreateObject("MSXML2.XMLHTTP")
    'Create a new page request
    xmlreq.Open "POST", "http://" & server & "/@api/deki/pages/=" & pathpage &
    "/contents/?" & params, False
    'Set the cookie data
    xmlreq.setRequestHeader "Cookie", cookiedata
    'Set our formatting
    xmlreq.setRequestHeader "Content-Type", "text/plain"
    'Send the page.
    xmlreq.send(pagecontents)

    ' See if this was successful
    if xmlreq.status = 200 then
        wscript.echo "200 Page upload of '" & pagename & "' successful."
    else
        wscript.echo ""
        wscript.echo
    "######
        wscript.echo "    ERROR: Page upload failed for the following reason:"
        wscript.echo "          Code " & xmlreq.status & " = " & xmlreq.statusText
        wscript.echo "          Page " & pagename
        wscript.echo
    "######
        wscript.quit(2)
    end if

```

```

'Clean up .
set xmlreq = Nothing
end sub

'

#####
' upload a file attachment to a page
sub uploadFile(cookiedata, server, path, pagename, title, filename)
    dim pathpage, URIFilename, xmlreq, datafile, fsobject, nopathname

    ' Read the file to upload
    datafile = readfile(filename)

    'Get the name without a path
    set fsobject= CreateObject("Scripting.FileSystemObject")
    nopathname = fsobject.GetFileName(filename)
    set fsobject = Nothing

    ' put the path and pagename together
    if right(path, 1) = "/" then
        pathpage = path & pagename
    else
        pathpage = path & "/" & pagename
    end if

    'double encode the characters in the page name
    pathpage = URIEncode(pathpage)
    pathpage = URIEncode(pathpage)
    ' do the same for the filename
    URIFilename = URIEncode(nopathname)
    URIFilename = URIEncode(URIFilename)

    set xmlreq = CreateObject("MSXML2.XMLHTTP")
    'Set the upload file command
    wscript.echo "http://" & server & "/@api/deki/pages/=" & pathpage & "/files/=" &
    URIFilename
    xmlreq.Open "PUT", "http://" & server & "/@api/deki/pages/=" & pathpage & "/files/
    =" & URIFilename, False
    'Because of the way Microsoft works, this must be set twice
    'http://support.microsoft.com/kb/234486
    xmlreq.setRequestHeader "Cookie", cookieData
    'Set our formatting
    xmlreq.setRequestHeader "Content-Type", "text/plain"
    'Send the page.
    xmlreq.send(datafile)

    if xmlreq.status = 200 then
        wscript.echo "200 File upload of '" & filename & "' successful."
    else
        wscript.echo ""
        wscript.echo
"#####"
        wscript.echo "    ERROR: Page upload failed for the following reason:"
```

```

wscript.echo "           Code " & xmlreq.status & " = " & xmlreq.StatusText
wscript.echo "           File " & filename
wscript.echo
"#####
wscript.quit(2)
end if

set xmlreq = Nothing
end sub

```

With the 9.02 release the mime type must be set correctly for images that are uploaded. The following upload sub does that. You may want to expand the case statement to cover more file types.

```

'
#####
' upload a file attachment to a page
sub uploadFile(cookiedata, server, path, pagename, title, filename)
    'Read the binary File
    dim inStream, pathpage, URIFilename, xmlreq, datafile, fsobject, nopathname,
fileExtension, mimeType
    const adTypeText=2
    const adTypeBinary=1
    set inStream=WScript.CreateObject ("ADODB.Stream")
    inStream.Open
    inStream.type=adTypeBinary
    inStream.LoadFromFile(filename)

    datafile=inStream.Read()
    inStream.Close()

    'Get the name without a path
    set fsobject= CreateObject ("Scripting.FileSystemObject")
    nopathname = fsobject.GetFileName(filename)

    ' Get the mime type from the extension
    fileExtension = ucase(fsobject.GetExtensionName(filename) )
        select case fileExtension
        case "GIF"
                mimeType = "image/gif"
        case "JPG"
                mimeType = "image/jpeg"
        case "PNG"
                mimeType = "image/png"
        case Else
                mimeType = "text/plain"
        end select

    set fsobject = Nothing

```

```

' put the path and pagename together
if right(path, 1) = "/" then
    pathpage = path & pagename
else
    pathpage = path & "/" & pagename
end if

'double encode the characters in the page name
pathpage = URIEncode(pathpage)
pathpage = URIEncode(pathpage)

URIFilename = URIEncode(nopathname)
URIFilename = URIEncode(URIFilename)

set xmlreq = CreateObject("MSXML2.XMLHTTP")
'Set the upload file command
xmlreq.Open "PUT", "http://" & server & "/@api/deki/pages/=" & pathpage & "/files/
=" & URIFilename, False
'Because of the way Microsoft works, this must be set twice
'http://support.microsoft.com/kb/234486
xmlreq.setRequestHeader "Cookie", cookieData
'Set our formatting
xmlreq.setRequestHeader "Content-Type", mimeType
'Send the page...Similar to Curl -H
xmlreq.send(datafile)

if xmlreq.status <> 200 then
    wscript.echo ""
    wscript.echo
"#####
wscript.echo "    ERROR: Page upload failed for the following reason:"
wscript.echo "        Code " & xmlreq.status & " = " & xmlreq.StatusText
wscript.echo "        File " & filename
wscript.echo
"#####
wscript.quit(2)
end if

set xmlreq = Nothing
end sub

```

