

Source Code

1. Visio to SVG

Option Explicit

Private Sub CommandButton1_Click()

 Call PopulateDirectoryList

End Sub

'Code goes in a standard module

""MUST SET REFERENCE to WINDOWS SCRIPT HOST OBJECT MODEL""

Sub PopulateDirectoryList()

 Dim objFSO As FileSystemObject, objFolder As Folder

 Dim objFile As File, strSourceFolder As String, x As Long, i As Long

 Dim wbNew As Workbook, wsNew As Worksheet

 ToggleStuff False 'turn of screenupdating

 Set objFSO = New FileSystemObject 'set a new object in memory

 strSourceFolder = BrowseForFolder 'call up the browse for folder routine

 If strSourceFolder = "" Then Exit Sub

 Set objFolder = objFSO.GetFolder(strSourceFolder)

 ' With Application.FileSearch

 ' .NewSearch

 ' .LookIn = strSourceFolder 'look in the folder browsed to

 ' .FileType = msoFileTypeAllFiles 'get all files

 ' .SearchSubFolders = True 'search sub directories

 ' .Execute 'run the search

```
For Each objFile In objFolder.Files
```

```
    If InStr(1, LCase(objFile.Name), ".vsd") > 0 Then
```

```
        x = x + 1
```

```
    End If
```

```
'For x = 1 To objFolder.Files.Count 'for each file found, by the count (or index)
```

```
'    i = x 'make the variable i = x
```

```
'    If x > 60000 Then 'if there happens to be more than multipls of 60,000 files, then add a new sheet
```

```
'        i = x - 60000 'set i to the right number for row placement below
```

```
'    End If
```

```
'Set objFile = objFolder.Files.Item(x) 'objFSO.GetFile(.FoundFiles(x)) 'set the object to get it's properties
```

```
Call SaveAsJPG(objFile)
```

```
Skip:
```

```
    'this is in case a Permission denied error comes up or an unforeseen error
```

```
    'Do nothing, just go to next file
```

```
Next
```

```
' End With
```

```
MsgBox "Exported " & x & " files successfully"
```

```
'clear the variables
```

```
Set objFolder = Nothing
```

```
Set objFile = Nothing
```

```
Set objFSO = Nothing
```

```
Set wsNew = Nothing
```

```
Set wbNew = Nothing
```

```
ToggleStuff True 'turn events back on
```

```
End Sub
```

```
Sub ToggleStuff(ByVal x As Boolean)
```

```
    Application.ScreenUpdating = x
```

```
    Application.EnableEvents = x
```

End Sub

Function BrowseForFolder(Optional OpenAt As Variant) As Variant

Dim ShellApp As Object

Set ShellApp = CreateObject("Shell.Application"). _

BrowseForFolder(0, "Please choose a folder", 0, OpenAt)

'On Error Resume Next

If ShellApp Is Nothing Then End

BrowseForFolder = ShellApp.self.Path

On Error GoTo 0

Set ShellApp = Nothing

Select Case Mid(BrowseForFolder, 2, 1)

Case Is = ":"

If Left(BrowseForFolder, 1) = ":" Then GoTo Invalid

Case Is = "\"

If Not Left(BrowseForFolder, 1) = "\" Then GoTo Invalid

Case Else

GoTo Invalid

End Select

Exit Function

Invalid:

ToggleStuff True

End Function

Sub SaveAsJPG(ByVal objFile As File)

```

' open each vsd in current directory and
' save all pages as jpg images using
' sheet name as file name

Dim curDoc As String
Dim curFileName As String
Dim PathFileName As String
Dim PathName As String
Dim appVisio As Visio.Application

curDoc = objFile.Name ' Remember the current VSD name so it can be ignored.
PathName = objFile.ParentFolder & "\" ' Set the default pathname
PathFileName = PathName

' Find the first file from the directory (not necessarily the first alphabetically)
curFileName = Dir(PathFileName)

If curFileName <> "" Then
    ' Open the file
    PathFileName = PathName & curDoc
    If appVisio Is Nothing Then
        Set appVisio = CreateObject("visio.application")
    End If
    appVisio.Documents.Open PathFileName
    appVisio.ActiveDocument.ExecuteLine "Application.ActiveWindow.Page.Export(" & Chr(34) &
Replace(PathFileName, ".vsd", ".svg") & Chr(34) & ")"

    appVisio.ActiveDocument.Close
    appVisio.Quit
    Set appVisio = Nothing
    curFileName = Dir ' Find the next Visio drawing
End If

```

End Sub

2. SVG to Visio

Option Explicit

Private Sub CommandButton1_Click()

 Call PopulateDirectoryList

End Sub

'Code goes in a standard module

""MUST SET REFERENCE to WINDOWS SCRIPT HOST OBJECT MODEL """"""

Sub PopulateDirectoryList()

 Dim objFSO As FileSystemObject, objFolder As Folder

 Dim objFile As File, strSourceFolder As String, x As Long, i As Long

 Dim wbNew As Workbook, wsNew As Worksheet

 ToggleStuff False 'turn of screenupdating

 Set objFSO = New FileSystemObject 'set a new object in memory

 strSourceFolder = BrowseForFolder 'call up the browse for folder routine

 If strSourceFolder = "" Then Exit Sub

 Set objFolder = objFSO.GetFolder(strSourceFolder)

 ' With Application.FileSearch

 ' .NewSearch

 ' .LookIn = strSourceFolder 'look in the folder browsed to

 ' .FileType = msoFileTypeAllFiles 'get all files

```

' .SearchSubFolders = True 'search sub directories
' .Execute 'run the search

For Each objFile In objFolder.Files
    If InStr(1, LCase(objFile.Name), ".vsd") > 0 Then
        x = x + 1
    End If
'For x = 1 To objFolder.Files.Count 'for each file found, by the count (or index)
'    i = x 'make the variable i = x
'    If x > 60000 Then 'if there happens to be more than multipls of 60,000 files, then add a new sheet
'        i = x - 60000 'set i to the right number for row placement below
'
'    End If

'    'Set objFile = objFolder.Files.Item(x) 'objFSO.GetFile(.FoundFiles(x)) 'set the object to get it's properties
'    Call SaveAsJPG(objFile)
Skip:
'    'this is in case a Permission denied error comes up or an unforeseen error
'    'Do nothing, just go to next file
'    Next
' End With
MsgBox "Exported " & x & " files successfully"

'clear the variables
Set objFolder = Nothing
Set objFile = Nothing
Set objFSO = Nothing
Set wsNew = Nothing
Set wbNew = Nothing

ToggleStuff True 'turn events back on
End Sub
Sub ToggleStuff(ByVal x As Boolean)

```

```
Application.ScreenUpdating = x
```

```
Application.EnableEvents = x
```

```
End Sub
```

```
Function BrowseForFolder(Optional OpenAt As Variant) As Variant
```

```
Dim ShellApp As Object
```

```
Set ShellApp = CreateObject("Shell.Application"). _
```

```
BrowseForFolder(0, "Please choose a folder", 0, OpenAt)
```

```
'On Error Resume Next
```

```
If ShellApp Is Nothing Then End
```

```
BrowseForFolder = ShellApp.self.Path
```

```
On Error GoTo 0
```

```
Set ShellApp = Nothing
```

```
Select Case Mid(BrowseForFolder, 2, 1)
```

```
Case Is = ":"
```

```
    If Left(BrowseForFolder, 1) = ":" Then GoTo Invalid
```

```
Case Is = "\"
```

```
    If Not Left(BrowseForFolder, 1) = "\" Then GoTo Invalid
```

```
Case Else
```

```
    GoTo Invalid
```

```
End Select
```

```
Exit Function
```

```
Invalid:
```

```
ToggleStuff True
```

```
End Function
```

```

Sub SaveAsJPG(ByVal objFile As File)
' open each vsd in current directory and
' save all pages as jpg images using
' sheet name as file name

    Dim curDoc As String
    Dim curFileName As String
    Dim PathFileName As String
    Dim PathName As String
    Dim appVisio As Visio.Application

    curDoc = objFile.Name    ' Remember the current VSD name so it can be ignored.
    PathName = objFile.ParentFolder & "\"    ' Set the default pathname
    PathFileName = PathName

    ' Find the first file from the directory (not necessarily the first alphabetically)
    curFileName = Dir(PathFileName)

    If curFileName <> "" Then
        ' Open the file
        PathFileName = PathName & curDoc

        If appVisio Is Nothing Then
            Set appVisio = CreateObject("visio.application")
        End If

        appVisio.Documents.Open PathFileName

        appVisio.ActiveDocument.ExecuteLine "Application.ActiveWindow.Page.Export(" & Chr(34) &
        Replace(PathFileName, ".vsd", ".svg") & Chr(34) & ")"

        appVisio.ActiveDocument.Close
        appVisio.Quit
        Set appVisio = Nothing
        curFileName = Dir ' Find the next Visio drawing
    End If

```


End Sub