

Informatik Doc2TIFF

Version 1.50

User Guide

May 12, 2010

Contents

Introduction	3
User-Interactive Mode.....	3
Command-Line Mode	4
Source file name	4
Output file name	4
Resolution	4
Tag	5
Sample of command-lines	6
Output Format.....	7
Serialization	7
Exit Code	7
Microsoft Excel, Microsoft Publisher	7
Error Log.....	8
Trial Version.....	8
Run as Process.....	8
Advanced Options.....	8
Trouble Shooting.....	9
Technical Support.....	9
Other Software.....	10
License, Warranty, Disclaimer	10
Copyright and Trademarks.....	11

Introduction

Doc2Tiff is a utility program that converts Microsoft Word documents (also most PDF formats) to TIFF, GIF, PNG, BMP, JPEG or PDF directly without a printer driver, with support for multipage, serialization and append.

Separate supplemental files are included to convert Microsoft Excel and Microsoft Publisher files to TIFF. See sections below.

With some systems additional formats may also be supported, such as RTF, HTML, TXT, WordPerfect, etc.

The program runs in two modes:

User-Interactive mode (separate section below)
Command-line mode (separate section below)

The program requires that you have a late version of Microsoft Word 2007 SP2 (or later) on your computer. The system requires Microsoft Framework 3.5 or later. The program is 32-bit/64-bit compatible.

If you are installing an upgrade, you must un-install the previous version before you run the setup.

Make sure that all affected files are safely backed up before you run a conversion.

Please check the www.informatik.com webpage for the latest version

User-Interactive Mode

- Start the program. Click on the program's icon on your desktop.

If practical, close the other windows on your screen. Microsoft Word runs invisibly in the background and may display error messages behind open windows. If you don't see and act on these messages the process will go into suspension. If you keep other windows open, look for Microsoft Word messages hidden behind a window if you hear a beep.

- Click on the 'Select Source File(s)' button and select one or several files (select only file types that are supported by Microsoft Word).
- Unless you change the output destination, the converted files will be saved in the same folder as the source files but with the extension name of the selected output format. For example a c:\mydir\mydoc.doc file will be saved as c:\mydir\mydoc.tif. Select the output format in the 'File Format' dropdown list. Optionally select a different output folder by clicking on the "Change" button in the 'Output Files(s)' section. You can also change the output base name by simply typing in the new name.

In the task bar at the bottom of the window you will see an example of the syntax of the output filename.

- Specify other options: Color, Serialization, File Overwrite. For a description of these options please read the sections in the Command-Line section below.

If you want to process only a specified range of pages of a multipage source file, check the 'Prompt for Page Range' checkbox.

- Press Run button. In batch mode, if you need to stop the process, press the Stop button. If an intermediate Microsoft Word window or message appears, just close it. This may happen with some file formats or software versions.

Command-Line Mode

The command-line consists of up to seven (4) main argument elements. The elements are separated by a semi-colon. Unused lagging elements may be left blank.

Optional fifth and sixth argument elements are available for advanced use, but generally not needed. It is available for special TIFF compressions, customized image sizes and resolutions, and for post-execution Applications to be Launched. See 'Advanced Options' section below.

Source file name

The source file name is the only compulsory input. Do not encapsulate the file name. The name must NOT include semi-colons (semi-colons are used for argument separators). The file must be a Microsoft Word supported document file. Use the full path name. Make sure that the source file is not in use by another application.

Output file name

Optional. If not specified, the output file name will be copied from the source file name with the extension changed to '.tif' or the extension specified in the File Format dropdown list. The extension must be one of the following: .tif, .pdf, .bmp, .gif, .png, or .jpg. If the extension is incorrect, a '.tif' extension will be used and the output file will be in the TIFF format. Use the full path name. Make sure that the output file name is not in use by another application.

Resolution

Optional. If not specified, the resolution will be defaulted to 200x200. Not available for PDF output. GIF output will always be at a 96x96 resolution. Use a resolution that is compatible with the output format; some resolution values are not supported by some graphics formats and you may get an Save error.

Tag

The fourth argument element is a string of 1-7 letters, without space or separators. Each letter represents a property switch. The letters can be in any order, upper-case or lower-case.

The five tag letters are:

'C' for 8-bit Color Output

If specified, the output image will be rendered in 256 colors (8-bit), otherwise, by default the output will be a monochrome (black and white) output file. This option is not available for PDF output.

'T' True Color Output

If specified, the output image will be rendered in True Color (24-bit), otherwise, by default the output will be a monochrome (black and white) output file. Note, 24-bit color files will be large. Not available for PDF output.

Regardless of the setting, BMP and PNG formats are created in 32-bit color; GIF is created in 8-bit color.

'E' for Do not Show Error Messages

If specified, error messages will not be displayed. However, the program always returns an exit code that you can capture if you run the program within a process. Also, in command-line mode, an error log is created. See Error Log section below.

'V' for Visible Window

If specified, the Doc2TIFF window will be shown. Generally, for command-line use you will want the window hidden. This option allows you to show the window.

'S' for Serialized Output

If specified, multi-page TIFF files will be serialized, one file per page with suffix serial number. Append option is not available for Serialization. See Serialization section below.

'A' for Append File

If specified, the page(s) will be appended to an existing output TIFF. This option is relevant only for TIFF noutput.

'O' for Override File (letter 'O', not number zero)

If specified, any existing output file will be overwritten by new file without warning. Not recommended. Use with caution.

'J' for JPEG-compressed TIFF Output

If specified, the page(s) will be saved in JPEG-compressed TIFF format. JPEG compression is useful for photo-type images. The improvement in compression is significant. However, not all image viewers support the JPEG-compressed TIFF format.

'L' for LZW-compressed TIFF Output

If specified, all page(s) will be saved in LZW-compressed TIFF format, color or monochrome

Sample of command-lines

```
C:\somedir\doc2tiff.exe C:\somedir\myfile.doc
```

(if the executable path has spaces, you may need to encapsulate the executable path in quotes.)

This is an example of a complete command, including

- a) the path to the doc2tiff.exe executable and
- b) the argument.

Make sure that the folder with the doc2tiff.exe also has all the necessary DLL files as installed in the Programs Files folder.

The samples below only show the argument.

```
C:\somedir\myfile.doc
```

This simple command-line will convert the source file to a TIFF file named

```
C:\somedir\myfile.tif
```

```
C:\somedir\myfile.doc;C:\somedir\myfile2.tif
```

This two-part command-line will convert the source file to a TIFF file named

```
C:\somedir\myfile2.tif
```

```
C:\somedir\myfile.doc;C:\somedir\myfile.pdf
```

This two-part command-line will convert the source file to a PDF file named

```
C:\somedir\myfile2.pdf
```

```
C:\somedir\myfile.doc;;300
```

This simple command-line will convert the source file to a TIFF file named

```
C:\somedir\myfile.tif
```

with a 300x300 resolution
(An output file is not specified, so you need the two semicolons as separator characters.)

```
C:\somedir\myfile.doc;;;CE
```

This simple command-line will convert the source file to a TIFF file named

```
C:\somedir\myfile.tif
```

in 8-bit color, error messages will not be displayed.
(The output file and the resolution are not specified, so you need the three semicolons as separator characters.)

```
C:\somedir\myfile.doc;;;O
```

This simple command-line will convert the source file to a TIFF file named

```
C:\somedir\myfile.tif
```

, existing output file will be overwritten without warning.
(The output file and the resolution are not specified, so you need the three semicolons as separator characters.)

Output Format

By default, TIFF and PDF output files will be monochrome CCITT4 compression (TIFF Group 4). For color output, in command line mode make an entry in the argument tag, or in user-interactive mode choose the color button. Tiff files in color will be in the LZW compression.

If you want to save photo-type images in JPEG-compressed Tiff format, choose the TIF (JPEG) in the File Format drop-down list. The improvement in the JPEG-TIFF compression is substantial. However, not that not all image viewers support JPEG-compressed TIFF files. For other TIFF compression options please contact Technical Support for possible custom compiles.

Serialization

If you select BMP, GIF, PNG or JPEG output format, the files will automatically be serialized if the source file has more than one page. The serialization format will be 'xxx-0001.tif'. TIFF files will be serialized only if the Serialize letter is added to the argument tag in the command-line. Append is not available. Serialization is not available for PDF output. Ask Technical support for other available utilities.

Exit Code

The program will return a 0 exit code if the conversion is successful. If an error is encountered one of the following error codes will be returned:

- 1 = Source File does not exist.
- 2 = Source File cannot be opened (probably not a valid Doc format).
- 3 = Output file already exists. Files are not overwritten.
- 4 = Cannot save the file. File may be in use, blocked or read-only?
- 9 = Process aborted.

Microsoft Excel, Microsoft Publisher

Separate executables are included to convert Excel and Publisher files to TIFF and other formats: EXL2Tiff.exe for Excel and Pub2Tiff for Publisher. The files must be in the same folder as the Doc2Tiff.exe. Run the two programs separately. You may want to add shortcut icons if you run the programs in desktop mode. Microsoft Excel and/or Microsoft Publisher software is required on your computer.

Error Log

When run in command-line mode, errors are logged to the Error Log. The error log can be found, depending on the operating system and Windows version in either the C:\Users\[USER]\Appdata\Roaming\Doc2Tiff\errorlog.txt file or the C:\Documents and Settings\[USER]\Appdata\Doc2Tiff\errorlog.txt file. Click on the Error Log link for the exact path to the error log. The error log file is cumulative; occasionally, delete old items.

Trial Version

Trial versions will display a nag message. In addition, about two in three conversions will show a small TRIAL mark on the first output page. You may legally use the trial version only for 30 days.

Run as Process

You can run the command-line version in a Process. Below please find a code snippet for running a batch conversion.

```
Dim dir As String = "C:\somedir"  
Dim filter As String = "*.doc*"  
Dim sourcefile As String = ""  
For Each sourcefile In IO.Directory.GetFiles(dir, filter)  
    Dim myprocess As New Process  
    myprocess.StartInfo.FileName = "C:\somedir\Doc2Tiff.exe"  
    myprocess.StartInfo.Arguments = sourcefile & ";;;E"  
    myprocess.Start()  
    myprocess.WaitForExit()  
    If myprocess.ExitCode <> 0 Then  
        MessageBox.Show("Error " & myprocess.ExitCode)  
    End If  
Next
```

Advanced Options

A fifth and a sixth argument is available for the command-line driven modes:

Special Tiff output formats

```
C:\mydir\myfile.doc;;;VE;1000/1500,96/96/81
```

The fifth element consists of 5 numeric values (may be left blank), separated by a forward slash:

1. Width in pixels
2. Height in pixels
3. Horizontal resolution
4. Vertical resolution
5. Tiff compression

Tiff compressions:

84	Group4(Standard)
116	Group4(Fillorder2)
68	Group4(Multistrip)
100	Group4(Fillorder2, Multistrip)
85	Group3(Standard)
117	Group3(Fillorder2)
69	Group3(Multistrip)
101	Group3(Fillorder2, Multistrip)
81	LZW

Application to be Launched

If you want to automatically launch another application after the conversion, specify the path to the application in the sixth argument element. The output Tiff file name will be passed to the application. Do not use for serialized output. Not available for PDF output.

Example:

```
C:\mydir\myfile.doc;;;O;;;c:\somedir\someotherapp.exe
```

Trouble Shooting

Look for hidden error messages behind other windows.

The source files must be file formats supported by Microsoft Word.

Make sure that you have the Microsoft Framework 3.5 or later on your computer.

If run in command-line mode, make sure that all necessary DLL files are in the same folder as the called doc2tiff.exe. You will find the DLL files in the Program Files folder where you originally installed the Doc2Tiff program.

Make sure that you have a late version of the Microsoft Word installed on your computer.

If you access source files from the web, use the long path, for example HTTP://www....

If you see the "RPC Server is unavailable" message, you may need to change some security settings in Windows.

Technical Support

For the current Technical Support contact information please go to the www.informatik.com webpage. Read the Trouble Shooting section before contacting Technical Support.

Other Software

For many other software products please visit our website at www.informatik.com. In particular we recommend the Informatik Reformat, TiffFixIT and the Informatik xPrint printer driver.

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