

Version 1.3

Web Enablement Solutions Suite

Tiff2PDF User's Guide

Overview

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Running Java version of Tiff2PDF

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For information not in this manual, refer to the Help System in your product.





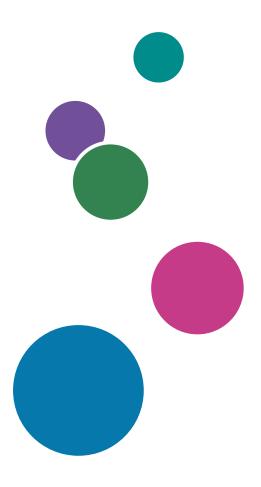


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Introduction

Important

To the maximum extent permitted by applicable laws, in no event will the manufacturer be liable for any damages whatsoever arising out of failures of this product, losses of documents or data, or the use or non-use of this product and operation manuals provided with it.

Make sure that you always copy or have backups of important documents or data. Documents or data might be erased due to your operational errors or malfunctions of the software. Also, you are responsible for taking protective measures against computer viruses, worms, and other harmful software.

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Cautions regarding this guide

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Publications for the Web Enablement Solutions Suite

This section provides a list of all the publications for the Web Enablement Solutions Suite transforms.

Instruction manuals

AFP2PDF PLUS

For information about AFP2PDF PLUS, see these documents:

- AFP2PDF Plus User Guide 1.300
- AFP2PDF Plus Quick Start Guide
- AFP2PDF Plus Setup Guide 1.300
- AFP2PDF Plus Release Notes 1.300
- AFP2PDF Plus Summary of Updates

AFP Visual Environment

For information about AFP Visual Environment, see these documents:

- AFP Visual Environment User Guide 6.6
- AFP Visual Environment Release Notes 6.6
- AFP Visual Environment 6.6 Limitations List

AFPMerge

For information about AFPMerge, see these documents:

- AFPMerge User Guide 3.3
- AFPMerge Release Notes 3.3
- AFPMerge 3.3 Limitations List

Line2PDF Plus

For information about Line2PDF Plus, see these documents:

- Line2PDF Plus User's Guide 1.3
- Line2PDF Release Notes 1.3
- Line2PDF Plus 1.3 Limitations List

PCL2PDF

For information about PCL2PDF, see these documents:

- PCL2PDF 1.3 User's Guide
- PCL2PDF 1.3 Release Notes
- PCL2PDF 1.3 Limitations List

PS2PDF

For information about PS2PDF, see these documents:

- PS2PDF 1.3 User's Guide
- PS2PDF 1.3 Release Notes
- PS2PDF 1.3 Limitations List

Tiff2PDF

For information about Tiff2PDF, see these documents:

- Tiff2PDF Plus User Guide 1.3
- Tiff2PDF Plus Release Notes 1.3
- Tiff2PDF Plus 1.3 Limitations List

Symbols

The following symbols are used in this manual to help you to identify content quickly.



• This symbol indicates points to pay attention to when using the product. Be sure to read these explanations.



This symbol indicates helpful supplementary information that is not essential to completing a task.

Bold type indicates the names of commands and parameters.

Bold underline Underlined bold type indicates the default value.

Italic type indicates variables that you must replace with your own

information.

Monospace type indicates computer input and output and file names.

[] Square brackets indicate that a value is optional.

A vertical bar indicates a choice between values.

··· An ellipsis indicates that a series can continue.

Abbreviations

PDF

Portable Document Format

RMI

Remote Method Invocation

TIFF

Tagged Image File Format

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1. Overview

- Description
- Specifications

Description

TIFF2PDF converts both single and multi- page TIFF files in Adobe Acrobat Portable Document Format (PDF) files.

Specifications

Supported Platforms

Microsoft® Windows® Server 2003 or later

AIX 5.3 or later

Red Hat Enterprise Linux® (RHEL) V5 or later

SUSE Linux® Enterprise Server (SLES) 10 or later

Transform server requirements:

JAVA V1.8 or later

Client Software Requirements

Adobe® Acrobat Reader 5.0 or later

Adobe Acrobat Reader 7.0.5 or later

Language Support

Single Byte Character Sets

Double Byte Character Sets: Simplified and Traditional

Chinese, Japanese and Korean

2. Running Java version of Tiff2PDF

- Java Command Line
- Java Tiff2PDF Command Options
- Running Java Tiff2PDF Server
- Running Java Agent on Client Machine

Jar file tiff2pdf.jar is the only jar file required to run the tiff2pdf application. The main class name to start Tiff2PDF is tiff2pdf.class.

Environment Variable Settings

Windows Platform

set CLASSPATH=tiff2pdf.jar;%CLASSPATH%

Non-Windows Platform

export CLASSPATH=tiff2pdf.jar;\$CLASSPATH

To run Java Tiff2PDF you can use one of these options:

- Java command line.
- Client/Server model.

Java Command Line

To transform a Tiff file into PDF:

- 1. Run Java command. This requires a tiff2pdf.jar file.
- 2. Set CLASSPATH to include the full path of the jar file.
 - For Windows:

set CLASSPATH=<directory>\tiff2pdf.jar;%CLASSPATH%

For other operating systems:

export CLASSPATH=<directory>/tiff2pdf.jar:\$CLASSPATH



Setting CLASSPATH should be on a single line.

Java Tiff2PDF Command Options

Command line syntax

java tiff2pdf [Options] < input tiff file name> <output pdf file name>

Options:

—w image fit width (Optional)

Specifies the image width to fit.

Default value: 612.

—h image fit height (Optional)

Specifies the page height to fit.

Default value: 792.

—c creator (Optional)

Specifies the creator of the document.

—a author (Optional)

Specifies the author of the document.

—t title (Optional)

Specifies the title of document.

—s subject (Optional)

Specifies the subject of the document.

-k keywords (Optional)

Species the keywords included in the document

For example: java tiff2pdf —c "Mark Johnson" test.tiff test.pdf

Running Java Tiff2PDF Server

Set CLASSPATH to include:

• tiff2pdf.jar

Command line syntax

java Tiff2PdfServer [-start] | [-stop] [-p socket_port] [-r rmi_port] [-t temp_dir]

Values:

-start

Start the server.

-stop

Stop the server.

-p socket_port

Socket port number for local client.

Default value: 8800.

This flag is optional.

-r rmi_port

RMI port number for remote Tiff2PdfServer.

Default value: 8801.

This flag is optional.

-t temp_dir

Temporary directory name.

Default: <currentDir>/temp.

This flag is optional.

Examples for running Server

Example 1

1. To start Tiff2Pdf Server set these values:

Client port:

Default **8800**.

RMI port:

Default 8801.

- 2. Enter the command line: java Tiff2PdfServer-start.
- 3. To stop Tiff2Pdf Server enter: java Tiff2PdfServer stop.

Example 2

1. To start Tiff2Pdf Server set these values:

Client port: 7200.

RMI port: 7201.

Tempdir: /mydir/tmp.

- 2. Enter the command line: java Tiff2PdfServer -start -p 7200 -r 7201 -t /mydir/tmp.
- 3. To stop Tiff2Pdf Server enter: java Tiff2PdfServer —stop —p 7200.

Running Java Agent on Client Machine

Set CLASSPATH to include:

• tiff2pdf.jar

Command line syntax

```
java Tiff2PdfAgent [-p client_port] [-s server_host_name] [-sp server_rmi_port]
[-stop]
```

Values:

-p client_port (optional)

The port number C/C++ tiff2pdf is connected to.

Default value: 8800.

-s server_host_name

The server host name where Tiff2PdfServer is running.

—sp server_rmi_port (optional)

The server port number Tiff2PdfAgent is connected to.

Default value: 8801.

-stop

Stop the Tiff2PdfAgent.

Examples for running Agent on client machine

Example 1

1. To start Tiff2Pdf Agent set these values:

Client port:

Default 8800 for C/C++ client.

Remote host where Tiff2PdfServer is running: server1.

RMI port:

Default 8801.

- 2. Enter the command line: java Tiff2PdfAgent -s server1.
- 3. To stop Tiff2PdfAgent enter: java Tiff2PdfAgent -s server1 -stop.

Example 2

1. To start Tiff2PdfAgent set these values:

Client port: 9500.

For C/C++ client.

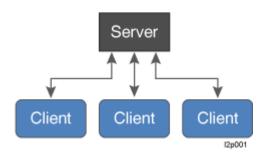
Remote host where Tiff2PdfServer is running: server1.

RMI port: 7201.

- 2. Enter the command line: java Tiff2PdfAgent -p 9500 -s server1-sp 7201.
- 3. To stop Tiff2PdfAgent enter: java Tiff2PdfAgent —s server1 —p 9500 —stop.

3. Client/Server Model

- Client Native C/C++ Program
- Client and Server on the Same Machine
- Client and Server on Different Machines
- Enabling Debug Mode for Server and Agent



Client is C++ native code, while Server is Java code.

Client supports:

- Windows
- Linux
- AIX
- Sun
- zOS/USS
- zlinux

Client/Server Model topology has 2 options:

- Client and Server on the same machine.
- Client and Server on different machines.

Typical Client/Server Model using default ports

Client Machine

Tiff2PdfAgent uses:

- Socket port for local C/C++ tiff2pdf: 8800.
- RMI port to connect to Tiff2PdfServer on Server Machine: 8801.

To start Tiff2PdfAgent on Client Machine, enter java Tiff2PdfAgent -s <Server Machine name>.

To submit the job, run client C/C++tiff2pdf on Client Machine and enter tiff2pdf <input tiff file> <output pdf file>.

Server Machine

Tiff2PdfServer uses:

- Socket port for local C/C++ tiff2pdf: 8800.
- RMI port to connect to Tiff2PdfAgent on Agent Machine: 8801.

To start server on Server Machine, enter java Tiff2PdfServer-start.

3

Run client C/C++ tiff2pdf on Server Machine and enter tiff2pdf <input tiff file> <output pdf file>.

Client Native C/C++ Program

Executable Programs

Windows: tiff2pdf.exe.

Other operating systems: tiff2pdf.

Syntax

tiff2pdf [port number] < java tiff2pdf arguments>

Options:

port number (optional)

Socket port number. Default value: 8800.

<java tiff2pdf argument options>

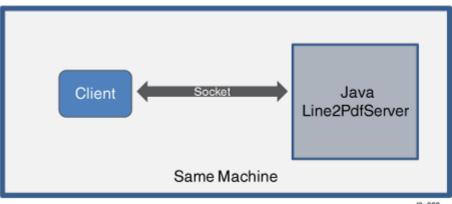
Same as Java command line.

Return code

O: if no error.

Other numbers: if error occurs.

Client and Server on the Same Machine

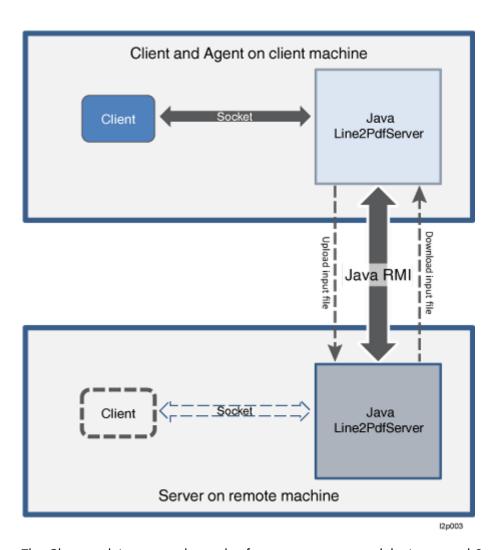


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- 1. Client sends the command line arguments to server through socket communication.
- 2. Server sends a thread to transform tiff data to pdf and then sends the messages back to client to indicate if completed or failed.

Client and Server on Different Machines

The Client/Server Model with Client and Server on different machines requires that the agent Tiff2PdfAgent is based on the client machine.



The Client and Agent use the socket for communication, while Agent and Server use Java RMI.

The Agent redirects the client requests to remote server. The Tiff2PdfAgent receives the messages from remote server and then redirects the received messages to the client.

The Agent uploads the input tiff file to the server and downloads the output PDF file from the server, if transform is completed.

Enabling Debug Mode for Server and Agent

To turn on the debug mode on Tiff2PdfServer and Tiff2PdfAgent use a hidden flag.

Flag —debug must be on the first argument. When debug mode is **On** debug information is printed on the console.

Example of Tiff2PdfServer on debug mode:

java Tiff2PdfServer -debug -start -p 7200 -r 7201

EN US EN GB EN AU